

h-index = 111 (Of the 1999 documents considered for the h-index, 111 have been cited at least 111 times.)

N	Year	Document Title	Authors	Journal Title	Cites
1	2001	Natural antioxidants from residual sources	Moure A., Cruz J.M., Franco D., Manuel Dominguez J., Sineiro J., Dominguez H., Nunez M.J., Carlos Parajo J.	Food Chemistry	1275
2	2004	Behavior of pharmaceuticals, cosmetics and hormones in a sewage treatment plant	Carballa M., Omil F., Lema J.M., Llompарт M., Garcia-Jares C., Rodriguez I., Gomez M., Ternes T.	Water Research	1210
3	1995	Surface Tension of Alcohol + Water from 20 to 50 °C	Vazquez G., Alvarez E., Navaza J.M.	Journal of Chemical and Engineering Data	844
4	2009	Complete dissolution and partial delignification of wood in the ionic liquid 1-ethyl-3-methylimidazolium acetate	Sun N., Rahman M., Qin Y., Maxim M.L., Rodriguez H., Rogers R.D.	Green Chemistry	798
5	2007	The third evolution of ionic liquids: Active pharmaceutical ingredients	Hough W.L., Smiglak M., Rodriguez H., Swatloski R.P., Spear S.K., Daly D.T., Pernak J., Grisel J.E., Carliss R.D., Soutullo M.D., Davis Jr. J.H., Rogers R.D.	New Journal of Chemistry	632
6	2007	Evaluation of activity and inhibition effects on Anammox process by batch tests based on the nitrogen gas production	Dapena-Mora A., Fernandez I., Campos J.L., Mosquera-Corral A., Mendez R., Jetten M.S.M.	Enzyme and Microbial Technology	463
7	2006	Temperature and composition dependence of the density and viscosity of binary mixtures of water + ionic liquid	Rodriguez H., Brennecke J.F.	Journal of Chemical and Engineering Data	408
8	2005	Effect of solvent, temperature, and solvent-to-solid ratio on the total phenolic content and antiradical activity of extracts from different components of grape pomace	Pinelo M., Rubilar M., Jerez M., Sineiro J., Nunez M.J.	Journal of Agricultural and Food Chemistry	388
9	2016	Towards a standardization of biomethane potential tests	Holliger C., Alves M., Andrade D., Angelidaki I., Astals S., Baier U., Bougrier C., Buffiere P., Carballa M., De Wilde V., Ebertseder F., Fernandez B., Ficara E., Fotidis I., Frigon J.-C., De Laelos H.F., Ghasimi D.S.M., Hack G., Hartel M., Heerenklage J., Horvath I.S., Jenicek P., Koch K., Krautwald J., Lizasoain J., Liu J., Mosberger L., Nistor M., Oechsner H., Oliveira J.V., Paterson M., Pauss A., Pommier S., Porqueddu I., Raposo F., Ribeiro T., Pfund F.R., Stromberg S., Torrijos M., Van Eekert M., Van Lier J., Wedwitschka H., Wierinck I.	Water Science and Technology	371

10	2011	Where are ionic liquid strategies most suited in the pursuit of chemicals and energy from lignocellulosic biomass?	Sun N., Rodriguez H., Rahman M., Rogers R.D.	Chemical Communications	357
11	2006	Functionality of oilseed protein products: A review	Moure A., Sineiro J., Dominguez H., Parajo J.C.	Food Research International	351
12	2011	Biochemical methane potential (BMP) of solid organic substrates: Evaluation of anaerobic biodegradability using data from an international interlaboratory study	Raposo F., Fernandez-Cegri V., de la Rubia M.A., Borja R., Beline F., Cavinato C., Demirer G., Fernandez B., Fernandez-Polanco M., Frigon J.C., Ganesh R., Kaparaju P., Koubova J., Mendez R., Menin G., Peene A., Scherer P., Torrijos M., Uellendahl H., Wierinck I., de Wilde V.	Journal of Chemical Technology and Biotechnology	349
13	2013	Life cycle assessment applied to wastewater treatment: State of the art	Corominas L., Foley J., Guest J.S., Hospido A., Larsen H.F., Morera S., Shaw A.	Water Research	341
14	2010	Removal of Pharmaceutical and Personal Care Products (PPCPs) under nitrifying and denitrifying conditions	Suarez S., Lema J.M., Omil F.	Water Research	338
15	2005	Propionate oxidation by and methanol inhibition of anaerobic ammonium-oxidizing bacteria	Guyen D., Dapena A., Kartal B., Schmid M.C., Maas B., Van De Pas-Schoonen K., Sozen S., Mendez R., Op Den Camp H.J.M., Jetten M.S.M., Strous M., Schmidt I.	Applied and Environmental Microbiology	330
16	2005	Biomarkers for in situ detection of anaerobic ammonium-oxidizing (Anammox) bacteria	Schmid M.C., Maas B., Dapena A., Van De Pas-Schoonen K., Van De Vossenberg J., Kartal B., Van Niftrik L., Schmidt I., Cirpus I., Kuennen J.G., Wagner M., Sinnighe Damste J.S., Kuypers M., Revsbech N.P., Mendez R., Jetten M.S.M., Strous M.	Applied and Environmental Microbiology	328
17	2008	Minimizing losses in bio-electrochemical systems: The road to applications	Clauwaert P., Aelterman P., Pham T.H., De Schampelaire L., Carballa M., Rabaey K., Verstraete W.	Applied Microbiology and Biotechnology	326
18	1992	Biodegradation of polycyclic aromatic hydrocarbons by new isolates of white rot fungi	Field J.A., De Jong E., Costa G.F., De Bont J.A.M.	Applied and Environmental Microbiology	323
19	2009	Source identification of heavy metals in pastureland by multivariate analysis in NW Spain	Franco-Uria A., Lopez-Mateo C., Roca E., Fernandez-Marcos M.L.	Journal of Hazardous Materials	306
20	2008	How are pharmaceutical and personal care products (PPCPs) removed from urban wastewaters?	Suarez S., Carballa M., Omil F., Lema J.M.	Reviews in Environmental Science and Biotechnology	305
21	2011	Demonstration of chemisorption of carbon dioxide in 1,3-dialkylimidazolium acetate ionic liquids	Gurau G., Rodriguez H., Kelley S.P., Janiczek P., Kalb R.S., Rogers R.D.	Angewandte Chemie - International Edition	298
22	1993	Screening for ligninolytic fungi applicable to the biodegradation of xenobiotics	Field J.A., de Jong E., Feijoo-Costa G., de Bont J.A.M.	Trends in Biotechnology	296

23	2008	Short- and long-term effects of temperature on the Anammox process	Dosta J., Fernandez I., Vazquez-Padin J.R., Mosquera-Corral A., Campos J.L., Mata-Alvarez J., Mendez R.	Journal of Hazardous Materials	287
24	2007	Fate of pharmaceutical and personal care products (PPCPs) during anaerobic digestion of sewage sludge	Carballa M., Omil F., Ternes T., Lema J.M.	Water Research	280
25	2010	Aggregate size and architecture determine microbial activity balance for one-stage partial nitrification and anammox	Vlaeminck S.E., Terada A., Smets B.F., De Clippeleir H., Schaubroeck T., Bolea S., Demeestere L., Mast J., Boon N., Carballa M., Verstraete W.	Applied and Environmental Microbiology	274
26	2008	Antioxidant activity and phenolic content of chestnut ( <i>Castanea sativa</i> ) shell and eucalyptus ( <i>Eucalyptus globulus</i> ) bark extracts	Vazquez G., Fontenla E., Santos J., Freire M.S., Gonzalez-Alvarez J., Antorrena G.	Industrial Crops and Products	267
27	1988	Characteristics of landfill leachates and alternatives for their treatment: A review	Lema J.M., Mendez R., Blazquez R.	Water, Air, and Soil Pollution	266
28	1997	Influence of dissolved oxygen concentration on nitrite accumulation in a biofilm airlift suspension reactor	Garrido J.M., Van Benthum W.A.J., Van Loosdrecht M.C.M., Heijnen J.J.	Biotechnology and Bioengineering	263
29	2008	Testing the assertion that 'local food is best': the challenges of an evidence-based approach	Edwards-Jones G., Mila i Canals L., Hounsome N., Truninger M., Koerber G., Hounsome B., Cross P., York E.H., Hospido A., Plassmann K., Harris I.M., Edwards R.T., Day G.A.S., Tomos A.D., Cowell S.J., Jones D.L.	Trends in Food Science and Technology	253
30	1993	Methanogenic and non-methanogenic activity tests. Theoretical basis and experimental set up	Soto M., Mendez R., Lema J.M.	Water Research	250
31	2008	Determination of the solid-water distribution coefficient (Kd) for pharmaceuticals, estrogens and musk fragrances in digested sludge	Carballa M., Fink G., Omil F., Lema J.M., Ternes T.	Water Research	237
32	2004	Extraction of antioxidant phenolics from almond hulls ( <i>Prunus amygdalus</i> ) and pine sawdust ( <i>Pinus pinaster</i> )	Pinelo M., Rubilar M., Sineiro J., Nunez M.J.	Food Chemistry	236
33	2017	Rutin: A review on extraction, identification and purification methods, biological activities and approaches to enhance its bioavailability	Gullon B., Lu-Chau T.A., Moreira M.T., Lema J.M., Eibes G.	Trends in Food Science and Technology	230
34	2010	A methodology for optimising feed composition for anaerobic co-digestion of agro-industrial wastes	Alvarez J.A., Otero L., Lema J.M.	Bioresource Technology	226
35	2005	Partial nitrification in a SHARON reactor in the presence of salts and organic carbon compounds	Mosquera-Corral A., Gonzalez F., Campos J.L., Mendez R.	Process Biochemistry	225
36	2004	Stability of the ANAMMOX process in a gas-lift reactor and a SBR	Dapena-Mora A., Campos J.L., Mosquera-Corral A., Jetten M.S.M., Mendez R.	Journal of Biotechnology	223
37	2016	Monitoring and diagnosis of energy consumption in wastewater treatment plants. A state of the art and proposals for improvement	Longo S., d'Antoni B.M., Bongards M., Chaparro A., Cronrath A., Fatone F., Lema J.M., Mauricio-Iglesias M., Soares A., Hospido A.	Applied Energy	219

38	1995	Sodium inhibition in the anaerobic digestion process: Antagonism and adaptation phenomena	Feijoo G., Soto M., Mendez R., Lema J.M.	Enzyme and Microbial Technology	219
39	2009	Pre-treatment of hospital wastewater by coagulation-flocculation and flotation	Suarez S., Lema J.M., Omil F.	Bioresource Technology	215
40	2007	Separation of aromatic hydrocarbons from alkanes using the ionic liquid 1-ethyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide	Arce A., Earle M.J., Rodriguez H., Seddon K.R.	Green Chemistry	212
41	2005	Removal of cosmetic ingredients and pharmaceuticals in sewage primary treatment	Carballa M., Omil F., Lema J.M.	Water Research	211
42	2000	Influence of the content in fats and proteins on the anaerobic biodegradability of dairy wastewaters	Vidal G., Carvalho A., Mendez R., Lema J.M.	Bioresource Technology	211
43	2011	Environmental and economic profile of six typologies of wastewater treatment plants	Rodriguez-Garcia G., Molinos-Senante M., Hospido A., Hernandez-Sancho F., Moreira M.T., Feijoo G.	Water Research	208
44	2006	Start-up of the Anammox process in a membrane bioreactor	Trigo C., Campos J.L., Garrido J.M., Mendez R.	Journal of Biotechnology	207
45	2012	Short- and long-term effects of ammonium and nitrite on the Anammox process	Fernandez I., Dosta J., Fajardo C., Campos J.L., Mosquera-Corral A., Mendez R.	Journal of Environmental Management	204
46	2011	Fungal pretreatment: An alternative in second-generation ethanol from wheat straw	Salvachua D., Prieto A., Lopez-Abelairas M., Lu-Chau T., Martinez A.T., Martinez M.J.	Bioresource Technology	201
47	2004	Aerobic granulation with industrial wastewater in sequencing batch reactors	Arrojo B., Mosquera-Corral A., Garrido J.M., Mendez R.	Water Research	201
48	2015	Microbial management of anaerobic digestion: Exploiting the microbiome-functionality nexus	Carballa M., Regueiro L., Lema J.M.	Current Opinion in Biotechnology	197
49	2013	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: A critical review	Yang S., Hai F.I., Nghiem L.D., Price W.E., Roddick F., Moreira M.T., Magram S.F.	Bioresource Technology	195
50	2005	Effects of oxygen concentration on N-removal in an aerobic granular sludge reactor	Mosquera-Corral A., De Kreuk M.K., Heijnen J.J., Van Loosdrecht M.C.M.	Water Research	194
51	2007	Separation of benzene and hexane by solvent extraction with 1-alkyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide ionic liquids: Effect of the alkyl-substituent length	Arce A., Earle M.J., Rodriguez H., Seddon K.R.	Journal of Physical Chemistry B	186
52	2012	Influence of nitrifying conditions on the biodegradation and sorption of emerging micropollutants	Fernandez-Fontaina E., Omil F., Lema J.M., Carballa M.	Water Research	181
53	2008	Biofilm and granular systems to improve Anammox biomass retention	Fernandez I., Vazquez-Padin J.R., Mosquera-Corral A., Campos J.L., Mendez R.	Biochemical Engineering Journal	177
54	2013	Influence of solvent on the antioxidant and antimicrobial properties of walnut ( <i>Juglans regia</i> L.) green husk extracts	Fernandez-Agullo A., Pereira E., Freire M.S., Valentao P., Andrade P.B., Gonzalez-alvarez J., Pereira J.A.	Industrial Crops and Products	173
55	2011	Enhanced biomethanation of kitchen waste by different pre-treatments	Ma J., Duong T.H., Smits M., Verstraete W., Carballa M.	Bioresource Technology	172

56	2000	Evaluation of extracts from Gevuina avellana hulls as antioxidants	Moure A., Franco D., Sineiro J., Dominguez H., Nunez M.J., Lema J.M.	Journal of Agricultural and Food Chemistry	170
57	1997	Surface tension of binary mixtures of water + monoethanolamine and water + 2-amino-2-methyl-1-propanol and tertiary mixtures of these amines with water from 25 °C to 50 °C	Vazquez G., Alvarez E., Navaza J.M., Rendo R., Romero E.	Journal of Chemical and Engineering Data	169
58	2006	Modeling product formation in anaerobic mixed culture fermentations	Rodriguez J., Kleerebezem R., Lema J.M., Van Loosdrecht M.C.M.	Biotechnology and Bioengineering	167
59	2014	Understanding the removal mechanisms of PPCPs and the influence of main technological parameters in anaerobic UASB and aerobic CAS reactors	Alvarino T., Suarez S., Lema J.M., Omil F.	Journal of Hazardous Materials	166
60	2007	Gasoline desulfurization using extraction with [C8mim][BF 4] ionic liquid	Alonso L., Arce A., Francisco M., Rodriguez O., Soto A.	AIChE Journal	166
61	2005	Environmental evaluation of different treatment processes for sludge from urban wastewater treatments: Anaerobic digestion versus thermal processes	Hospido A., Moreira Ma.T., Martin M., Rigola M., Feijoo G.	International Journal of Life Cycle Assessment	163
62	1994	Enzymatic pretreatment to enhance oil extraction from fruits and oilseeds: a review	Dominguez H., Nunez M.J., Lema J.M.	Food Chemistry	163
63	2010	Laccase-catalyzed degradation of anti-inflammatories and estrogens	Lloret L., Eibes G., Lu-Chau T.A., Moreira M.T., Feijoo G., Lema J.M.	Biochemical Engineering Journal	162
64	2014	Influence of natural extracts on the shelf life of modified atmosphere-packaged pork patties	Lorenzo J.M., Sineiro J., Amado I.R., Franco D.	Meat Science	159
65	2012	Relationship between microbial activity and microbial community structure in six full-scale anaerobic digesters	Regueiro L., Veiga P., Figueroa M., Alonso-Gutierrez J., Stams A.J.M., Lema J.M., Carballa M.	Microbiological Research	159
66	2002	Removal of cadmium and mercury ions from aqueous solution by sorption on treated Pinus pinaster bark: Kinetics and isotherms	Vazquez G., Gonzalez-Alvarez J., Freire S., Lopez-Lorenzo M., Antorrena G.	Bioresource Technology	159
67	2010	Ionic liquids on desulfurization of fuel oils	Francisco M., Arce A., Soto A.	Fluid Phase Equilibria	157
68	2010	The effect and fate of antibiotics during the anaerobic digestion of pig manure	Alvarez J.A., Otero L., Lema J.M., Omil F.	Bioresource Technology	155
69	2011	Reaction of elemental chalcogens with imidazolium acetates to yield imidazole-2-chalcogenones: Direct evidence for ionic liquids as proto-carbenes	Rodriguez H., Gurau G., Holbrey J.D., Rogers R.D.	Chemical Communications	153
70	2015	Eco-efficiency analysis of Spanish WWTPs using the LCA+DEA method	Lorenzo-Toja Y., Vazquez-Rowe I., Chenel S., Marin-Navarro D., Moreira M.T., Feijoo G.	Water Research	151
71	2013	Anaerobic digestion of different feedstocks: Impact on energetic and environmental balances of biogas process	Bacchetti J., Negri M., Fiala M., Gonzalez-Garcia S.	Science of the Total Environment	151

72	2003	Simplified life cycle assessment of galician milk production	Hospido A., Moreira M.T., Feijoo G.	International Dairy Journal	151
73	2004	Enrichment of Anammox biomass from municipal activated sludge: Experimental and modelling results	Dapena-Mora A., Van Hulle S.W.H., Campos J.L., Mendez R., Vanrolleghem P.A., Jetten M.	Journal of Chemical Technology and Biotechnology	149
74	2012	Joint life cycle assessment and data envelopment analysis of grape production for vinification in the Rías Baixas appellation (NW Spain)	Vazquez-Rowe I., Villanueva-Rey P., Iribarren D., Teresa Moreira M., Feijoo G.	Journal of Cleaner Production	147
75	2001	Mass transfer coefficients during osmotic dehydration of apple in single and combined aqueous solutions of sugar and salt	Sereno A.M., Moreira R., Martinez E.	Journal of Food Engineering	147
76	2009	Nitrogen removal from digested black water by one-stage partial nitrification and anammox	Vlaeminck S.E., Terada A., Smets B.F., Van Der Linden D., Boon N., Verstraete W., Carballa M.	Environmental Science and Technology	146
77	2008	Environmental performance of wastewater treatment plants for small populations	Gallego A., Hospido A., Moreira M.T., Feijoo G.	Resources, Conservation and Recycling	144
78	2009	Treatment of anaerobic sludge digester effluents by the CANON process in an air pulsing SBR	Vazquez-Padin J.R., Pozo M.J., Jarpa M., Figueroa M., Franco A., Mosquera-Corral A., Campos J.L., Mendez R.	Journal of Hazardous Materials	142
79	2006	Enzymatic degradation of anthracene, dibenzothiophene and pyrene by manganese peroxidase in media containing acetone	Eibes G., Cajthaml T., Moreira M.T., Feijoo G., Lema J.M.	Chemosphere	142
80	2002	Nitrification in saline wastewater with high ammonia concentration in an activated sludge unit	Campos J.L., Mosquera-Corral A., Sanchez M., Mendez R., Lema J.M.	Water Research	142
81	2008	Comparison of predicted and measured concentrations of selected pharmaceuticals, fragrances and hormones in Spanish sewage	Carballa M., Omil F., Lema J.M.	Chemosphere	141
82	2012	Insight into the interactions that control the phase behaviour of new aqueous biphasic systems composed of polyethylene glycol polymers and ionic liquids	Freire M.G., Pereira J.F.B., Francisco M., Rodriguez H., Rebelo L.P.N., Rogers R.D., Coutinho J.A.P.	Chemistry - A European Journal	139
83	2008	Fate of pharmaceuticals and cosmetic ingredients during the operation of a MBR treating sewage	Reif R., Suarez S., Omil F., Lema J.M.	Desalination	139
84	2013	Review of combined approaches and multi-criteria analysis for corporate environmental evaluation	Herva M., Roca E.	Journal of Cleaner Production	134
85	2010	Maximizing the ex vivo expansion of human mesenchymal stem cells using a microcarrier-based stirred culture system	Eibes G., dos Santos F., Andrade P.Z., Boura J.S., Abecasis M.M.A., da Silva C.L., Cabral J.M.S.	Journal of Biotechnology	132
86	2008	Solvent extraction of thiophene from n-alkanes (C7, C12, and C16) using the ionic liquid [C8mim][BF4]	Alonso L., Arce A., Francisco M., Soto A.	Journal of Chemical Thermodynamics	132
87	2005	Partitioning of antibiotics in a two-liquid phase system formed by water and a room temperature ionic liquid	Soto A., Arce A., Khoshkbarchi M.K.	Separation and Purification Technology	131

88	1999	Anaerobic hydrolysis and acidogenesis of wastewaters from food industries with high content of organic solids and protein	Guerrero L., Omil F., Mendez R., Lema J.M.	Water Research	130
89	2011	Benchmarking environmental and operational parameters through eco-efficiency criteria for dairy farms	Iribarren D., Hospido A., Moreira M.T., Feijoo G.	Science of the Total Environment	128
90	2008	Heat capacities and excess enthalpies of 1-3ethyl-3-methylimidazolium-based ionic liquids and water	Ficke L.E., Rodriguez H., Brennecke J.F.	Journal of Chemical and Engineering Data	128
91	1998	Long-term competition between sulfate reducing and methanogenic bacteria in UASB reactors treating volatile fatty acids	Omil F., Lens P., Visser A., Hulshoff Pol L.W., Lettinga G.	Biotechnology and Bioengineering	128
92	2009	The link between operational efficiency and environmental impacts. A joint application of Life Cycle Assessment and Data Envelopment Analysis	Lozano S., Iribarren D., Moreira M.T., Feijoo G.	Science of the Total Environment	126
93	1996	Effect of upward velocity and sulphide concentration on volatile fatty acid degradation in a sulphidogenic granular sludge reactor	Omil F., Lens P., Hulshoff Pol L., Lettinga G.	Process Biochemistry	126
94	1994	Adsorption of heavy metal ions by chemically modified Pinus pinaster bark	Vazquez G., Antorrena G., Gonzalez J., Doval M.D.	Bioresource Technology	126
95	1995	Anaerobic treatment of saline wastewaters under high sulphide and ammonia content	Omil F., Mendez R., Lema J.M.	Bioresource Technology	124
96	2009	Phosphate removal in agro-industry: Pilot- and full-scale operational considerations of struvite crystallization	Moerman W., Carballa M., Vandekerckhove A., Derycke D., Verstraete W.	Water Research	123
97	2011	Extracts of maqui ( <i>Aristotelia chilensis</i> ) and murta ( <i>Ugni molinae</i> Turcz.): Sources of antioxidant compounds and $\alpha$ -glucosidase/ $\alpha$ -amylase inhibitors	Rubilar M., Jara C., Poo Y., Acevedo F., Gutierrez C., Sineiro J., Shene C.	Journal of Agricultural and Food Chemistry	122
98	2011	Review of corporate environmental indicators	Herva M., Franco A., Carrasco E.F., Roca E.	Journal of Cleaner Production	121
99	2007	Influence of ozone pre-treatment on sludge anaerobic digestion: Removal of pharmaceutical and personal care products	Carballa M., Manterola G., Larrea L., Ternes T., Omil F., Lema J.M.	Chemosphere	120
100	2005	Life cycle environmental impacts of Spanish tuna fisheries	Hospido A., Tyedmers P.	Fisheries Research	119
101	2010	Brønsted ionic liquids for sustainable processes: Synthesis and physical properties	Alvarez V.H., Dosil N., Gonzalez-Cabaleiro R., Mattedi S., Martin-Pastor M., Iglesias M., Navaza J.M.	Journal of Chemical and Engineering Data	118
102	2003	Rheology of aqueous solutions of food additives: Effect of concentration, temperature and blending	Gomez-Diaz D., Navaza J.M.	Journal of Food Engineering	118
103	2003	Anaerobic filter reactor performance for the treatment of complex dairy wastewater at industrial scale	Omil F., Garrido J.M., Arrojo B., Mendez R.	Water Research	117

104	2007	Kinetics of triclosan oxidation by aqueous ozone and consequent loss of antibacterial activity: Relevance to municipal wastewater ozonation	Suarez S., Dodd M.C., Omil F., von Gunten U.	Water Research	116
105	2013	Relationship between phenol degradation efficiency and microbial community structure in an anaerobic SBR	Rosenkranz F., Cabrol L., Carballa M., Donoso-Bravo A., Cruz L., Ruiz-Filippi G., Chamy R., Lema J.M.	Water Research	114
106	2006	Physical and excess properties for binary mixtures of 1-methyl-3- octylimidazolium tetrafluoroborate, [Omim][BF <sub>4</sub> ], ionic liquid with different alcohols	Arce A., Rodil E., Soto A.	Journal of Solution Chemistry	114
107	2010	Diclofenac oxidation by biogenic manganese oxides	Forrez I., Carballa M., Verbeken K., Vanhaecke L., Michael Schlusener M.S., Ternes T., Boon N., Verstraete W.	Environmental Science and Technology	112
108	2010	Environmental assessment of anaerobically digested sludge reuse in agriculture: Potential impacts of emerging micropollutants	Hospido A., Carballa M., Moreira M., Omil F., Lema J.M., Feijoo G.	Water Research	112
109	2003	Apparent Molar Volume, Isentropic Compressibility, Refractive Index, and Viscosity of DL-Alanine in Aqueous NaCl Solutions	Rodriguez H., Soto A., Arce A., Khoshkbarchi M.K.	Journal of Solution Chemistry	112
110	2000	Evaluation of different fungal strains in the decolourisation of synthetic dyes	Moreira M.T., Mielgo I., Feijoo G., Lema J.M.	Biotechnology Letters	112
111	1991	Optimization of the thermal processing of conduction-heated canned foods: Study of several objective functions	Banga J.R., Perez-Martin R.I., Gallardo J.M., Casares J.J.	Journal of Food Engineering	112
112	2010	Microbial community distribution and activity dynamics of granular biomass in a CANON reactor	Vazquez-Padin J., Mosquera-Corral A., Campos J.L., Mendez R., Revsbech N.P.	Water Research	111
113	2008	1-Ethyl-3-methylimidazolium bis((trifluoromethyl)sulfonyl)amide as solvent for the separation of aromatic and aliphatic hydrocarbons by liquid extraction – extension to C <sub>7</sub> - and C <sub>8</sub> -fractions	Arce A., Earle M.J., Rodriguez H., Seddon K.R., Soto A.	Green Chemistry	111
114	2008	Thermodynamic analysis of experimental sorption isotherms of loquat and quince fruits	Moreira R., Chenlo F., Torres M.D., Vallejo N.	Journal of Food Engineering	111
115	2002	Autotrophic denitrification for combined hydrogen sulfide removal from biogas and post-denitrification.	Kleerebezem R., Mendez R.	Water science and technology : a journal of the International Association on Water Pollution Research	110
116	2004	Environmental performance of a municipal wastewater treatment plant	Hospido A., Moreira Ma.T., Fernandez-Couto M., Feijoo G.	International Journal of Life Cycle Assessment	109
117	1997	Effect of chemical modification of lignin on the gluebond performance of lignin-phenolic resins	Vazquez G., Gonzalez J., Freire S., Antorrena G.	Bioresource Technology	109



118	2009	Chestnut shell as heavy metal adsorbent: Optimization study of lead, copper and zinc cations removal	Vazquez G., Calvo M., Sonia Freire M., Gonzalez-Alvarez J., Antorrena G.	Journal of Hazardous Materials	108
119	2009	From waste to commodity: transforming shells into high purity calcium carbonate	Barros M.C., Bello P.M., Bao M., Torrado J.J.	Journal of Cleaner Production	108
120	2008	Thiophene separation from aliphatic hydrocarbons using the 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid	Alonso L., Arce A., Francisco M., Soto A.	Fluid Phase Equilibria	108
121	2010	Combined application of life cycle assessment and data envelopment analysis as a methodological approach for the assessment of fisheries	Vazquez-Rowe I., Iribarren D., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	107
122	2006	Mass transfer during continuous solid-liquid extraction of antioxidants from grape byproducts	Pinelo M., Sineiro J., Nunez M.J.	Journal of Food Engineering	107
123	2009	Evaluation of potential applications for chestnut ( <i>Castanea sativa</i> ) shell and eucalyptus ( <i>Eucalyptus globulus</i> ) bark extracts	Vazquez G., Gonzalez-Alvarez J., Santos J., Freire M.S., Antorrena G.	Industrial Crops and Products	106
124	2014	Extractive and oxidative-extractive desulfurization of fuels with ionic liquids	Rodriguez-Cabo B., Rodriguez H., Rodil E., Arce A., Soto A.	Fuel	104
125	2006	Life cycle inventory of particleboard: A case study in the wood sector	Rivela B., Hospido A., Moreira Ma.T., Feijoo G.	International Journal of Life Cycle Assessment	104
126	1997	Surface tension of organic acids + water binary mixtures from 20°C to 50°C	Alvarez E., Vazquez G., Sanchez-Vilas M., Sanjurjo B., Navaza J.M.	Journal of Chemical and Engineering Data	103
127	2011	Degradation of selected pharmaceutical and personal care products (PPCPs) by white-rot fungi	Rodarte-Morales A.I., Feijoo G., Moreira M.T., Lema J.M.	World Journal of Microbiology and Biotechnology	102
128	2014	Comparative life cycle assessment in the wine sector: Biodynamic vs. conventional viticulture activities in NW Spain	Villanueva-Rey P., Vazquez-Rowe I., Moreira M.T., Feijoo G.	Journal of Cleaner Production	100
129	2014	Life cycle assessment of the production of the red antioxidant carotenoid astaxanthin by microalgae: From lab to pilot scale	Perez-Lopez P., Gonzalez-Garcia S., Jeffryes C., Agathos S.N., McHugh E., Walsh D., Murray P., Moane S., Feijoo G., Moreira M.T.	Journal of Cleaner Production	100
130	2011	Removal of persistent pharmaceutical micropollutants from sewage by addition of PAC in a sequential membrane bioreactor	Serrano D., Suarez S., Lema J.M., Omil F.	Water Research	100
131	2008	Phase behaviour of 1-methyl-3-octylimidazolium bis[trifluoromethylsulfonyl]imide with thiophene and aliphatic hydrocarbons: The influence of n-alkane chain length	Alonso L., Arce A., Francisco M., Soto A.	Fluid Phase Equilibria	100
132	2008	Kinetics of denitrification using sulphur compounds: Effects of S/N ratio, endogenous and exogenous compounds	Campos J.L., Carvalho S., Portela R., Mosquera-Corral A., Mendez R.	Bioresource Technology	98

133	2006	Granulation in high-load denitrifying upflow sludge bed (USB) pulsed reactors	Franco A., Roca E., Lema J.M.	Water Research	98
134	2005	Anaerobic treatment of azo dye Acid Orange 7 under fed-batch and continuous conditions	Mendez-Paz D., Omil F., Lema J.M.	Water Research	98
135	2011	Autotrophic nitrogen removal at low temperature	Vazquez-Padin J.R., Fernandez I., Morales N., Campos J.L., Mosquera-Corral A., Mendez R.	Water Science and Technology	97
136	2006	Mutually immiscible ionic liquids	Arce A., Earle M.J., Katdare S.P., Rodriguez H., Seddon K.R.	Chemical Communications	97
137	2014	Life cycle assessment of electricity production in Italy from anaerobic co-digestion of pig slurry and energy crops	Lijo L., Gonzalez-Garcia S., Bacenetti J., Fiala M., Feijoo G., Lema J.M., Moreira M.T.	Renewable Energy	96
138	2008	A comparison of municipal wastewater treatment plants for big centres of population in Galicia (Spain)	Hospido A., Moreira Ma.T., Feijoo G.	International Journal of Life Cycle Assessment	96
139	2004	Thermodynamics of diglycine and triglycine in aqueous NaCl solutions: Apparent molar volume, isentropic compressibility, and refractive index	Soto A., Arce A., Khoshkbarchi M.K.	Journal of Solution Chemistry	96
140	2016	Is anaerobic digestion effective for the removal of organic micropollutants and biological activities from sewage sludge?	Gonzalez-Gil L., Papa M., Feretti D., Ceretti E., Mazzoleni G., Steimberg N., Pedrazzani R., Bertanza G., Lema J.M., Carballa M.	Water Research	95
141	2010	Further potentials in the joint implementation of life cycle assessment and data envelopment analysis	Iribarren D., Vazquez-Rowe I., Moreira M.T., Feijoo G.	Science of the Total Environment	95
142	2008	Treatment of saline wastewater in SBR aerobic granular reactors	Figuerola M., Mosquera-Corral A., Campos J.L., Mendez R.	Water Science and Technology	95
143	2012	Life cycle assessment of two alternative bioenergy systems involving Salix spp. biomass: Bioethanol production and power generation	Gonzalez-Garcia S., Iribarren D., Susmozas A., Dufour J., Murphy R.J.	Applied Energy	94
144	2009	Bis((trifluoromethyl)sulfonyl)amide ionic liquids as solvents for the extraction of aromatic hydrocarbons from their mixtures with alkanes: Effect of the nature of the cation	Arce A., Earle M.J., Rodriguez H., Seddon K.R., Soto A.	Green Chemistry	94
145	2006	Murta leaves ( <i>Ugni molinae</i> Turcz) as a source of antioxidant polyphenols	Rubilar M., Pinelo M., Ihl M., Scheuermann E., Sineiro J., Nunez M.J.	Journal of Agricultural and Food Chemistry	94
146	2011	Combined cross-linked enzyme aggregates from versatile peroxidase and glucose oxidase: Production, partial characterization and application for the elimination of endocrine disruptors	Taboada-Puig R., Junghanns C., Demarche P., Moreira M.T., Feijoo G., Lema J.M., Agathos S.N.	Bioresource Technology	93
147	2008	Water absorption, texture, and color kinetics of air-dried chestnuts during rehydration	Moreira R., Chenlo F., Chaguri L., Fernandes C.	Journal of Food Engineering	93

148	2009	Applications of Anammox based processes to treat anaerobic digester supernatant at room temperature	Vazquez-Padin J., Fernandez I., Figueroa M., Mosquera-Corral A., Campos J.-L., Mendez R.	Bioresource Technology	92
149	2012	Physicochemical properties of maize cob cellulose powders reconstituted from ionic liquid solution	Azubuiké C.P., Rodríguez H., Okhamafe A.O., Rogers R.D.	Cellulose	91
150	2008	Ionic liquid-based preparation of cellulose-dendrimer films as solid supports for enzyme immobilization	Bagheri M., Rodríguez H., Swatloski R.P., Spear S.K., Daly D.T., Rogers R.D.	Biomacromolecules	91
151	2007	A comparison between bark extracts from <i>Pinus pinaster</i> and <i>Pinus radiata</i> : Antioxidant activity and procyanidin composition	Jerez M., Selga A., Sineiro J., Torres J.L., Nunez M.J.	Food Chemistry	91
152	2004	Mechanism of enzymatic degradation of the azo dye Orange II determined by ex situ 1H nuclear magnetic resonance and electrospray ionization-ion trap mass spectrometry	Lopez C., Valade A.-G., Combourieu B., Mielgo I., Bouchon B., Lema J.M.	Analytical Biochemistry	91
153	1997	FTIR, 1H and 13C NMR characterization of acetosolv-solubilized pine and eucalyptus lignins	Vazquez G., Antorrena G., Gonzalez J., Freire S.	Holzforschung	91
154	1995	Degradation of volatile fatty acids by differently enriched methanogenic cultures: Kinetics and inhibition	Aguilar A., Casas C., Lema J.M.	Water Research	91
155	2012	Environmental analysis of Ribeiro wine from a timeline perspective: Harvest year matters when reporting environmental impacts	Vazquez-Rowe I., Villanueva-Rey P., Moreira M.T., Feijoo G.	Journal of Environmental Management	90
156	2006	Volumetric and viscosity study for the mixtures of 2-ethoxy-2-methylpropane, ethanol, and 1-ethyl-3-methylimidazolium ethyl sulfate ionic liquid	Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	90
157	2003	Oxidative degradation of azo dyes by manganese peroxidase under optimized conditions	Mielgo I., Lopez C., Moreira M.T., Feijoo G., Lema J.M.	Biotechnology Progress	90
158	2006	Effects of mechanical stress on Anammox granules in a sequencing batch reactor (SBR)	Arrojo B., Mosquera-Corral A., Campos J.L., Mendez R.	Journal of Biotechnology	89
159	2015	Key microbial communities steering the functioning of anaerobic digesters during hydraulic and organic overloading shocks	Regueiro L., Lema J.M., Carballa M.	Bioresource Technology	88
160	2013	Absorption of carbon dioxide in two binary mixtures of ionic liquids	Pinto A.M., Rodríguez H., Colon Y.J., Arce A., Soto A.	Industrial and Engineering Chemistry Research	88
161	2009	Removal process of CO <sub>2</sub> using MDEA aqueous solutions in a bubble column reactor	Navaza J.M., Gomez-Diaz D., La Rubia M.D.	Chemical Engineering Journal	88
162	2006	Comparison between the conventional anaerobic digestion of sewage sludge and its combination with a chemical or thermal pre-treatment concerning the removal of pharmaceuticals and personal care products	Carballa M., Omil F., Alder A.C., Lema J.M.	Water Science and Technology	88

163	2000	Shrinkage of apple disks during drying by warm air convection and freeze drying	Moreira R., Figueiredo A., Sereno A.	Drying Technology	88
164	2007	Supercritical fluid and solid-liquid extraction of phenolic antioxidants from grape pomace: A comparative study	Pinelo M., Ruiz-Rodriguez A., Sineiro J., Senorans F.J., Reglero G., Nunez M.J.	European Food Research and Technology	87
165	2007	Life cycle inventory of medium density fibreboard	Rivela B., Moreira Ma.T., Feijoo G.	International Journal of Life Cycle Assessment	87
166	2006	Environmental assessment of canned tuna manufacture with a life-cycle perspective	Hospido A., Vazquez M.E., Cuevas A., Feijoo G., Moreira M.T.	Resources, Conservation and Recycling	87
167	2018	Understanding the sorption and biotransformation of organic micropollutants in innovative biological wastewater treatment technologies	Alvarino T., Suarez S., Lema J., Omil F.	Science of the Total Environment	86
168	2011	Density, speed of sound, viscosity, refractive index, and excess volume of N -methyl-2-pyrrolidone + ethanol (or water or ethanolamine) from T = (293.15 to 323.15) K	Garcaa-Abuan A., Gomez-Daaz D., La Rubia M.D., Navaza J.M.	Journal of Chemical and Engineering Data	86
169	2008	Polyphenols from plant materials: Extraction and antioxidant power	Franco D., Sineiro J., Rubilar M., Sanchez M., Jerez M., Pinelo M., Costoya N., Nunez M.J.	Electronic Journal of Environmental, Agricultural and Food Chemistry	86
170	2002	Viscosities of aqueous solutions of sucrose and sodium chloride of interest in osmotic dehydration processes	Chenlo F., Moreira R., Pereira G., Ampudia A.	Journal of Food Engineering	86
171	2007	Separation and HPLC-MS identification of phenolic antioxidants from agricultural residues: Almond hulls and grape pomace	Rubilar M., Pinelo M., Shene C., Sineiro J., Nunez M.J.	Journal of Agricultural and Food Chemistry	85
172	2002	Enzymatic membrane reactors for biodegradation of recalcitrant compounds. Application to dye decolourisation	Lopez C., Mielgo I., Moreira M.T., Feijoo G., Lema J.M.	Journal of Biotechnology	85
173	2001	Simultaneous methanogenesis and denitrification of pretreated effluents from a fish canning industry	Mosquera-Corral A., Sanchez M., Campos J.L., Mendez R., Lema J.M.	Water Research	85
174	2016	Biotransformation of pharmaceuticals under nitrification, nitratation and heterotrophic conditions	Fernandez-Fontaina E., Gomes I.B., Aga D.S., Omil F., Lema J.M., Carballa M.	Science of the Total Environment	84
175	2012	Water adsorption isotherms of carboxymethyl cellulose, guar, locust bean, tragacanth and xanthan gums	Torres M.D., Moreira R., Chenlo F., Vazquez M.J.	Carbohydrate Polymers	84
176	2011	Oxidation of pharmaceutically active compounds by a ligninolytic fungal peroxidase	Eibes G., Debernardi G., Feijoo G., Moreira M.T., Lema J.M.	Biodegradation	84
177	2009	Operation of an Anammox SBR in the presence of two broad-spectrum antibiotics	Fernandez I., Mosquera-Corral A., Campos J.L., Mendez R.	Process Biochemistry	84

178	2007	Use of a green and cheap ionic liquid to purify gasoline octane boosters	Arce A., Rodriguez H., Soto A.	Green Chemistry	84
179	1997	Dynamic optimization of batch reactors using adaptive stochastic algorithms	Carrasco E.F., Banga J.R.	Industrial and Engineering Chemistry Research	84
180	2016	Status of hormones and painkillers in wastewater effluents across several European states—considerations for the EU watch list concerning estradiols and diclofenac	Schroder P., Helmreich B., Skrbic B., Carballa M., Papa M., Pastore C., Emre Z., Oehmen A., Langenhoff A., Molinos M., Dvarioniene J., Huber C., Tsagarakis K.P., Martinez-Lopez E., Pagano S.M., Vogelsang C., Mascolo G.	Environmental Science and Pollution Research	83
181	2012	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release	Bica K., Rodriguez H., Gurau G., Andreea Cojocaru O., Riisager A., Fehrmann R., Rogers R.D.	Chemical Communications	83
182	2010	Flaxseed as a source of functional ingredients	Rubilar M., Gutierrez C., Verdugo M., Shene C., Sineiro J.	Journal of Soil Science and Plant Nutrition	83
183	2005	Anaerobic degradation of hexachlorocyclohexane isomers in liquid and soil slurry systems	Quintero J.C., Moreira M.T., Feijoo G., Lema J.M.	Chemosphere	83
184	1997	Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains	Moreira M.T., Feijoo G., Sierra-Alvarez R., Lema J., Field J.A.	Journal of Biotechnology	83
185	2013	Ranking municipal solid waste treatment alternatives based on ecological footprint and multi-criteria analysis	Herva M., Roca E.	Ecological Indicators	82
186	2011	Biogenic metals for the oxidative and reductive removal of pharmaceuticals, biocides and iodinated contrast media in a polishing membrane bioreactor	Forrez I., Carballa M., Fink G., Wick A., Hennebel T., Vanhaecke L., Ternes T., Boon N., Verstraete W.	Water Research	82
187	2009	Environmental impacts of forest production and supply of pulpwood: Spanish and Swedish case studies	Gonzalez-Garcia S., Berg S., Feijoo G., Moreira M.T.	International Journal of Life Cycle Assessment	82
188	2004	Dye Decolorization by Manganese Peroxidase in an Enzymatic Membrane Bioreactor	Lopez C., Moreira M.T., Feijoo G., Lema J.M.	Biotechnology Progress	82
189	2001	A packed-bed fungal bioreactor for the continuous decolourisation of azo-dyes (Orange II)	Mielgo I., Moreira M.T., Feijoo G., Lema J.M.	Journal of Biotechnology	82
190	2010	Comparative environmental performance of lignocellulosic ethanol from different feedstocks	Gonzalez-Garcia S., Moreira M.T., Feijoo G.	Renewable and Sustainable Energy Reviews	81
191	2009	The role of seasonality in lettuce consumption: A case study of environmental and social aspects	Hospido A., Mila I Canals L., McLaren S., Truninger M., Edwards-Jones G., Clift R.	International Journal of Life Cycle Assessment	81
192	1996	Surface tension of aqueous solutions of diethanolamine and triethanolamine from 25°C to 50°C	Vazquez G., Alvarez E., Rendo R., Romero E., Navaza J.M.	Journal of Chemical and Engineering Data	81

193	2018	Carbon footprint and nutritional quality of different human dietary choices	Gonzalez-Garcia S., Esteve-Llorens X., Moreira M.T., Feijoo G.	Science of the Total Environment	80
194	2013	Removal of estrogenic compounds from filtered secondary wastewater effluent in a continuous enzymatic membrane reactor. Identification of biotransformation products	Lloret L., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Environmental Science and Technology	80
195	2013	Hazardous organic chemicals in rubber recycled tire playgrounds and pavers	Llompert M., Sanchez-Prado L., Pablo Lamas J., Garcia-Jares C., Roca E., Dagnac T.	Chemosphere	80
196	2010	Antiradical activity, phenolics profile, and hydroxymethylfurfural in espresso coffee: Influence of technological factors	Alves R.C., Costa A.S.G., Jerez M., Casal S., Sineiro J., Nunez M.J., Oliveira B.	Journal of Agricultural and Food Chemistry	80
197	2007	Procyanidins from pine bark: Relationships between structure, composition and antiradical activity	Jerez M., Tourino S., Sineiro J., Torres J.L., Nunez M.J.	Food Chemistry	80
198	2005	Anaerobic treatment of azo dye Acid Orange 7 under batch conditions	Mendez-Paz D., Omil F., Lema J.M.	Enzyme and Microbial Technology	80
199	1999	Nitrification at high ammonia loading rates in an activated sludge unit	Campos J.L., Garrido-Fernandez J.M., Mendez R., Lema J.M.	Bioresource Technology	80
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201	2012	Immobilisation of laccase on Eupergit supports and its application for the removal of endocrine disrupting chemicals in a packed-bed reactor	Lloret L., Hollmann F., Eibes G., Feijoo G., Moreira M.T., Lema J.M.	Biodegradation	79
202	2011	Inventory of heavy metal content in organic waste applied as fertilizer in agriculture: Evaluating the risk of transfer into the food chain	Lopes C., Herva M., Franco-Uria A., Roca E.	Environmental Science and Pollution Research	79
203	2008	Ionic liquids as alternative co-solvents for laccase: Study of enzyme activity and stability	Tavares A.P.M., Rodriguez O., Macedo E.A.	Biotechnology and Bioengineering	79
204	2012	Mass balance of pharmaceutical and personal care products in a pilot-scale single-sludge system: Influence of T, SRT and recirculation ratio	Suarez S., Reif R., Lema J.M., Omil F.	Chemosphere	78
205	2011	Correlations between molecular and operational parameters in continuous lab-scale anaerobic reactors	Carballa M., Smits M., Etchebehere C., Boon N., Verstraete W.	Applied Microbiology and Biotechnology	78
206	2010	Life cycle assessment of horse mackerel fisheries in Galicia (NW Spain): Comparative analysis of two major fishing methods	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Fisheries Research	78
207	2010	Monitoring the stability of an Anammox reactor under high salinity conditions	Dapena-Mora A., Vazquez-Padin J.R., Campos J.L., Mosquera-Corral A., Jetten M.S.M., Mendez R.	Biochemical Engineering Journal	78

208	2007	Citrus essential oil terpenes by extraction using 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid: Effect of the temperature	Arce A., Pobudkowska A., Rodriguez O., Soto A.	Chemical Engineering Journal	78
209	2002	Improved nitrogen removal by application of new nitrogen-cycle bacteria	Jetten M.S.M., Schmid M., Schmidt I., Wubben M., van Dongen U., Abma W., Sliekers O., Revsbech N.P., Beaumont H.J.E., Ottosen L., Volcke E., Laanbroek H.J., Campos-Gomez J.L., Cole J., van Loosdrecht M., Mulder J.W., Fuerst J., Richardson D., van de Pas K., Mendez-Pampin R., Third K., Cirpus I., van Spanning R., Bollmann A., Nielsen L.P., den Camp H.O., Schultz C., Gundersen J., Vanrolleghem P., Strous M., Wagner M., Kuenen J.G.	Reviews in Environmental Science and Biotechnology	78
210	2013	Comparative environmental performance of three different annual energy crops for biogas production in Northern Italy	Gonzalez-Garcia S., Bacenetti J., Negri M., Fiala M., Arroja L.	Journal of Cleaner Production	77
211	2011	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm	De Clippeleir H., Defoirdt T., Vanhaecke L., Vlaeminck S.E., Carballa M., Verstraete W., Boon N.	Applied Microbiology and Biotechnology	77
212	2006	Effect of anion fluorination in 1-ethyl-3-methylimidazolium as solvent for the liquid extraction of ethanol from ethyl tert-butyl ether	Arce A., Rodriguez H., Soto A.	Fluid Phase Equilibria	77
213	2004	Experimental determination of liquid-liquid equilibrium using ionic liquids: Tert-amyl ethyl ether + ethanol + 1-octyl-3-methylimidazolium chloride system at 298.15 K	Arce A., Rodriguez O., Soto A.	Journal of Chemical and Engineering Data	77
214	2001	In vitro degradation of a polymeric dye (Poly R-478) by manganese peroxidase	Moreira M.T., Palma C., Mielgo I., Feijoo G., Lema J.M.	Biotechnology and Bioengineering	77
215	2000	Different fungal manganese-oxidizing peroxidases: A comparison between Bjerkandera sp. and Phanerochaete chrysosporium	Palma C., Martinez A.T., Lema J.M., Martinez M.J.	Journal of Biotechnology	77
216	1998	Surface tension of binary mixtures of water + N-methyldiethanolamine and ternary mixtures of this amine and water with monoethanolamine, diethanolamine, and 2-amino-2-methyl-1-propanol from 25 to 50 °C	Alvarez E., Rendo R., Sanjurjo B., Sanchez-Vilas M., Navaza J.M.	Journal of Chemical and Engineering Data	77
217	2015	Integration of the Anammox process to the rejection water and main stream lines of WWTPs	Morales N., Val del Rio A., Vazquez-Padin J.R., Mendez R., Mosquera-Corral A., Campos J.L.	Chemosphere	76
218	2013	Linking thermodynamics and kinetics to assess pathway reversibility in anaerobic bioprocesses	Gonzalez-Cabaleiro R., Lema J.M., Rodriguez J., Kleerebezem R.	Energy and Environmental Science	76
219	2011	Should we pretreat solid waste prior to anaerobic digestion? An assessment of its environmental cost	Carballa M., Duran C., Hospido A.	Environmental Science and Technology	76

220	2011	Shrinkage, density, porosity and shape changes during dehydration of pumpkin ( <i>Cucurbita pepo</i> L.) fruits	Mayor L., Moreira R., Sereno A.M.	Journal of Food Engineering	76
221	2010	Environmental profile of ethanol from poplar biomass as transport fuel in Southern Europe	Gonzalez-Garcia S., Gasol C.M., Gabarrell X., Rieradevall J., Moreira M.T., Feijoo G.	Renewable Energy	76
222	2010	A review of methodological issues affecting LCA of novel food products	Hospido A., Davis J., Berlin J., Sonesson U.	International Journal of Life Cycle Assessment	76
223	2009	Environmental performance assessment of hardboard manufacture	Gonzalez-Garcia S., Feijoo G., Widsten P., Kandelbauer A., Zikulnig-Rusch E., Moreira M.T.	International Journal of Life Cycle Assessment	76
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225	2011	Struvite crystallization versus amorphous magnesium and calcium phosphate precipitation during the treatment of a saline industrial wastewater	Crutchik D., Garrido J.M.	Water Science and Technology	75
226	2009	Ozonation strategies to reduce sludge production of a seafood industry WWTP	Campos J.L., Otero L., Franco A., Mosquera-Corral A., Roca E.	Bioresource Technology	75
227	2008	Use of a hybrid membrane bioreactor for the treatment of saline wastewater from a fish canning factory	Artiga P., Garcia-Toriello G., Mendez R., Garrido J.M.	Desalination	75
228	2007	Calculation methods to perform mass balances of micropollutants in sewage treatment plants. Application to pharmaceutical and personal care products (PPCPs)	Carballa M., Omil F., Lema J.M.	Environmental Science and Technology	75
229	2003	Solubilities and diffusivities of water vapor in poly(methylmethacrylate), poly(2-hydroxyethylmethacrylate), poly(N-vinyl-2-pyrrolidone) and poly(acrylonitrile)	Rodriguez O., Fomasiero F., Arce A., Radkea C.J., Prausnitz J.M.	Polymer	75
230	2016	Benchmarking wastewater treatment plants under an eco-efficiency perspective	Lorenzo-Toja Y., Vazquez-Rowe I., Amores M.J., Termes-Rife M., Marin-Navarro D., Moreira M.T., Feijoo G.	Science of the Total Environment	74
231	2012	Enhanced oil recovery using the ionic liquid trihexyl(tetradecyl) phosphonium chloride: Phase behaviour and properties	Lago S., Rodriguez H., Khoshkbarchi M.K., Soto A., Arce A.	RSC Advances	74
232	2010	Life cycle assessment of raw materials for non-wood pulp mills: Hemp and flax	Gonzalez-Garcia S., Hospido A., Feijoo G., Moreira M.T.	Resources, Conservation and Recycling	74
233	2019	Adsorption of an anionic dye (Congo red) from aqueous solutions by pine bark	Litefti K., Freire M.S., Stitou M., Gonzalez-Alvarez J.	Scientific Reports	73
234	2014	Photophysical study of Thioflavin T as fluorescence marker of amyloid fibrils	Freire S., De Araujo M.H., Al-Soufi W., Novo M.	Dyes and Pigments	73



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238	1989	Semi-micro C.O.D. determination method for high-salinity wastewater	Soto M., Veiga M.C., Mendez R., Lema J.M.	Environmental Technology Letters	73
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240	2004	tert-Amyl ethyl ether separation from its mixtures with ethanol using the 1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid: Liquid-liquid equilibrium	Arce A., Rodriguez O., Soto A.	Industrial and Engineering Chemistry Research	72
241	2016	Fungal pretreatment of agricultural residues for bioethanol production	Garcia-Torreiro M., Lopez-Abelairas M., Lu-Chau T.A., Lema J.M.	Industrial Crops and Products	71
242	2013	Biodegradation kinetic constants and sorption coefficients of micropollutants in membrane bioreactors	Fernandez-Fontaina E., Pinho I., Carballa M., Omil F., Lema J.M.	Biodegradation	71
243	2012	Biotransformation of three pharmaceutical active compounds by the fungus <i>Phanerochaete chrysosporium</i> in a fed batch stirred reactor under air and oxygen supply	Rodarte-Morales A.I., Feijoo G., Moreira M.T., Lema J.M.	Biodegradation	71
244	2008	Improvement of the anaerobic treatment of potato processing wastewater in a UASB reactor by co-digestion with glycerol	Ma J., Van Wambeke M., Carballa M., Verstraete W.	Biotechnology Letters	71
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246	2005	Treatment of two industrial wastewaters in a submerged membrane bioreactor	Artiga P., Ficara E., Malpei F., Garrido J.M., Mendez R.	Desalination	71

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248	2008	(Liquid + liquid) equilibria of [C8mim][NTf2] ionic liquid with a sulfur-component and hydrocarbons	Alonso L., Arce A., Francisco M., Soto A.	Journal of Chemical Thermodynamics	70
249	2014	Cross effect of temperature, pH and free ammonia on autotrophic denitrification process with sulphide as electron donor	Fajardo C., Mora M., Fernandez I., Mosquera-Corral A., Campos J.L., Mendez R.	Chemosphere	69
250	2012	Long term operation of a granular sequencing batch reactor at pilot scale treating a low-strength wastewater	Isanta E., Suarez-Ojeda M.E., Val del Rio A., Morales N., Perez J., Carrera J.	Chemical Engineering Journal	69
251	2010	Multiple-objective evaluation of wastewater treatment plant control alternatives	Flores-Alsina X., Gallego A., Feijoo G., Rodriguez-Roda I.	Journal of Environmental Management	69
252	2006	Density, viscosity, excess molar volume, and viscosity deviation of three amyl alcohols + ethanol binary mixtures from 293.15 to 323.15 K	Alvarez E., Cancela A., Maceiras R., Navaza J.M., Taboas R.	Journal of Chemical and Engineering Data	69
253	2004	On the Activity of Ions and the Junction Potential: Revised Values for All Data	Wilczek-Vera G., Rodil E., Vera J.H.	AIChE Journal	69
254	2016	Beyond the conventional life cycle inventory in wastewater treatment plants	Lorenzo-Toja Y., Alfonsin C., Amores M.J., Aldea X., Marin D., Moreira M.T., Feijoo G.	Science of the Total Environment	68
255	2008	Application of mutually immiscible ionic liquids to the separation of aromatic and aliphatic hydrocarbons by liquid extraction: A preliminary approach	Arce A., Earle M.J., Katdare S.P., Rodriguez H., Seddon K.R.	Physical Chemistry Chemical Physics	68
256	2018	Critical aggregation concentration for the formation of early Amyloid- $\beta$ (1-42) oligomers	Novo M., Freire S., Al-Soufi W.	Scientific Reports	67
257	2015	Advanced technologies for water treatment and reuse	Uribe I.O., Mosquera-Corral A., Lema J.M., Esplugas S.	AIChE Journal	67
258	2012	Degradation of estrogens by laccase from <i>Myceliophthora thermophila</i> in fed-batch and enzymatic membrane reactors	Lloret L., Eibes G., Feijoo G., Moreira M.T., Lema J.M.	Journal of Hazardous Materials	67
259	2010	Nitrifying granular systems: A suitable technology to obtain stable partial nitrification at room temperature	Vazquez-Padin J.R., Figueroa M., Campos J.L., Mosquera-Corral A., Mendez R.	Separation and Purification Technology	67
260	2004	Improvement of the settling properties of Anammox sludge in an SBR	Dapena-Mora A., Arrojo B., Campos J.L., Mosquera-Corral A., Mendez R.	Journal of Chemical Technology and Biotechnology	67
261	2006	Uptake of phenol from aqueous solutions by adsorption in a <i>Pinus pinaster</i> bark packed bed	Vazquez G., Alonso R., Freire S., Gonzalez-Alvarez J., Antorrena G.	Journal of Hazardous Materials	66

262	2001	Effect of two broad-spectrum antibiotics on activity and stability of continuous nitrifying system	Campos J.L., Garrido J.M., Mendez R., Lema J.M.	Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology	66
263	2000	Influence of C:N ratio on the start-up of up-flow anaerobic filter reactors	Punal A., Trevisan M., Rozzi A., Lema J.M.	Water Research	66
264	1995	Treatment of seafood-processing wastewaters in mesophilic and thermophilic anaerobic filters	Mendez R., Lema J.M., Soto M.	Water Environment Research	66
265	2014	Life Cycle Assessment of broiler chicken production: A Portuguese case study	Gonzalez-Garcia S., Gomez-Fernandez Z., Dias A.C., Feijoo G., Moreira M.T., Arroja L.	Journal of Cleaner Production	65
266	2001	Antioxidant activity of extracts from Gevuina avellana and Rosa rubiginosa defatted seeds	Moure A., Franco D., Sineiro J., Dominguez H., Nuez M.J., Lema J.M.	Food Research International	65
267	2000	Application of the Danckwerts method in a bubble column effects of surfactants on mass transfer coefficient and interfacial area	Vazquez G., Cancela M.A., Riverol C., Alvarez E., Navaza J.M.	Chemical Engineering Journal	65
268	2000	Mass transfer and influence of physical properties of solutions in a bubble column	Alvarez E., Sanjurjo B., Cancela A., Navaza J.M.	Chemical Engineering Research and Design	65
269	1995	Enzyme-assisted hexane extraction of soya bean oil	Dominguez H., Nunez M.J., Lema J.M.	Food Chemistry	65
270	2015	Removal of PPCPs from the sludge supernatant in a one stage nitrification/anammox process	Alvarino T., Suarez S., Katsou E., Vazquez-Padin J., Lema J.M., Omil F.	Water Research	64
271	2010	Carbon footprint of canned mussels from a business-to-consumer approach. A starting point for mussel processors and policy makers	Iribarren D., Hospido A., Moreira M.T., Feijoo G.	Environmental Science and Policy	64
272	2010	Environmental impact efficiency in mussel cultivation	Lozano S., Iribarren D., Moreira M.T., Feijoo G.	Resources, Conservation and Recycling	64
273	2006	Biodegradation of polycyclic aromatic hydrocarbons in forest and salt marsh soils by white-rot fungi	Valentin L., Feijoo G., Moreira M.T., Lema J.M.	International Biodeterioration and Biodegradation	64
274	2006	Essential oil terpenless by extraction using organic solvents or ionic liquids	Arce A., Marchiaro A., Rodriguez O., Soto A.	AIChE Journal	64
275	2005	Complete degradation of anthracene by Manganese Peroxidase in organic solvent mixtures	Eibes G., Lu-Chau T., Feijoo G., Moreira M.T., Lema J.M.	Enzyme and Microbial Technology	64
276	2017	The prospective use of biochar as adsorption matrix – A review from a lifecycle perspective	Moreira M.T., Noya I., Feijoo G.	Bioresource Technology	63
277	2016	Greenhouse Gases Emissions from Wastewater Treatment Plants: Minimization, Treatment, and Prevention	Campos J.L., Valenzuela-Heredia D., Pedrouso A., Val Del Rio A., Belmonte M., Mosquera-Corral A.	Journal of Chemistry	63
278	2014	Environmental profile of paddy rice cultivation with different straw management	Fusi A., Bacenetti J., Gonzalez-Garcia S., Vercesi A., Bocchi S., Fiala M.	Science of the Total Environment	63

279	2012	Best practices in life cycle assessment implementation in fisheries. Improving and broadening environmental assessment for seafood production systems	Vazquez-Rowe I., Hospido A., Moreira M.T., Feijoo G.	Trends in Food Science and Technology	63
280	2012	Environmental assessment of energy production based on long term commercial willow plantations in Sweden	Gonzalez-Garcia S., Mola-Yudego B., Dimitriou I., Aronsson P., Murphy R.	Science of the Total Environment	63
281	2010	Evaluation of the polysubstituted pyridinium ionic liquid [hmmpy][Ntf2] as a suitable solvent for desulfurization: Phase equilibria	Arce A., Francisco M., Soto A.	Journal of Chemical Thermodynamics	63
282	2009	Biphasic liquid mixtures of ionic liquids and polyethylene glycols	Rodriguez H., Francisco M., Rahman M., Sun N., Rogers R.D.	Physical Chemistry Chemical Physics	63
283	2006	Densities and viscosities of aqueous ternary mixtures of 2-(methylamino)ethanol and 2-(ethylamino)ethanol with diethanolamine, triethanolamine, N-methyldiethanolamine, or 2-amino-1-methyl-1-propanol from 298.15 to 323.15 K	Alvarez E., Gomez-Diaz D., La Rubia M.D., Navaza J.M.	Journal of Chemical and Engineering Data	63
284	2006	Life cycle assessment of wood wastes: A case study of ephemeral architecture	Rivela B., Moreira M.T., Munoz I., Rieradevall J., Feijoo G.	Science of the Total Environment	63
285	2004	Life Cycle Assessment as a Tool for the Environmental Improvement of the Tannery Industry in Developing Countries	Rivela B., Moreira M.T., Bornhardt C., Mendez R., Feijoo G.	Environmental Science and Technology	63
286	1996	Formation and detachment of biofilms and granules in a nitrifying biofilm airlift suspension reactor	Van Benthum W.A.J., Garrido-Fernandez J.M., Tijhuis L., Van Loosdrecht M.C.M., Heijnen J.J.	Biotechnology Progress	63
287	2020	Perspectives from CO+RE: How COVID-19 changed our food systems and food security paradigms	Bakalis S., Valdramidis V.P., Argyropoulos D., Ahrne L., Chen J., Cullen P.J., Cummins E., Datta A.K., Emmanouilidis C., Foster T., Fryer P.J., Gouseti O., Hospido A., Knoerzer K., LeBail A., Marangoni A.G., Rao P., Schluter O.K., Taoukis P., Xanthakis E., Van Impe J.F.M.	Current Research in Food Science	62
288	2017	The environmental effect of substituting energy crops for food waste as feedstock for biogas production	Lijo L., Gonzalez-Garcia S., Bacenetti J., Moreira M.T.	Energy	62
289	2015	Selection of odour removal technologies in wastewater treatment plants: A guideline based on Life Cycle Assessment	Alfonsin C., Lebrero R., Estrada J.M., Munoz R., Kraakman N.J.R., Feijoo G., Moreira M.A.T.	Journal of Environmental Management	62
290	2013	Feasibility of combined UASB and MBR system in dairy wastewater treatment at ambient temperatures	Buntner D., Sanchez A., Garrido J.M.	Chemical Engineering Journal	62
291	2013	Working with energy and mass balances: A conceptual framework to understand the limits of municipal wastewater treatment	Garrido J.M., Fdz-Polanco M., Fdz-Polanco F.	Water Science and Technology	62

292	2010	Influence of the particle size on the rheological behaviour of chestnut flour doughs	Moreira R., Chenlo F., Torres M.D., Prieto D.M.	Journal of Food Engineering	62
293	2010	Physico-chemical properties of binary and ternary mixtures of ethyl acetate + ethanol + 1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide at 298.15 K and atmospheric pressure	Andreatta A.E., Arce A., Rodil E., Soto A.	Journal of Solution Chemistry	62
294	2009	Influence of temperature on the hydrolysis, acidogenesis and methanogenesis in mesophilic anaerobic digestion: Parameter identification and modeling application	Donoso-Bravo A., Retamal C., Carballa M., Ruiz-Filippi G., Chamy R.	Water Science and Technology	62
295	2002	Biodegradation of a polymeric dye in a pulsed bed bioreactor by immobilised <i>Phanerochaete chrysosporium</i>	Mielgo I., Moreira M.T., Feijoo G., Lema J.M.	Water Research	62
296	1994	Enzymatic saccharification of alkali-treated sunflower hulls	Soto M.L., Dominguez H., Nunez M.J., Lema J.M.	Bioresource Technology	62
297	2013	Immobilization of laccase on modified silica: Stabilization, thermal inactivation and kinetic behaviour in 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid	Tavares A.P.M., Rodriguez O., Fernandez-Fernandez M., Dominguez A., Moldes D., Sanroman M.A., Macedo E.A.	Bioresource Technology	61
298	2011	Dual functional ionic liquids as plasticisers and antimicrobial agents for medical polymers	Choi S.Y., Rodriguez H., Mirjafari A., Gilpin D.F., McGrath S., Malcolm K.R., Tunney M.M., Rogers R.D., McNally T.	Green Chemistry	61
299	2009	Environmental impact assessment of total chlorine free pulp from <i>Eucalyptus globulus</i> in Spain	Gonzalez-Garcia S., Hospido A., Moreira M.T., Romero J., Feijoo G.	Journal of Cleaner Production	61
300	2010	Effect of novel food processing methods on packaging: Structure, composition, and migration properties	Guillard V., Mauricio-Iglesias M., Gontard N.	Critical Reviews in Food Science and Nutrition	60
301	2009	Life cycle assessment of flax shives derived second generation ethanol fueled automobiles in Spain	Gonzalez-Garcia S., Luo L., Moreira M.T., Feijoo G., Huppés G.	Renewable and Sustainable Energy Reviews	60
302	2007	Phase equilibria of mixtures of mutually immiscible ionic liquids	Arce A., Earle M.J., Katdare S.P., Rodriguez H., Seddon K.R.	Fluid Phase Equilibria	60
303	2000	Physical and equilibrium properties of diisopropyl ether+isopropyl alcohol+water system	Arce A., Arce Jr. A., Martinez-Ageitos J., Rodil E., Rodriguez O., Soto A.	Fluid Phase Equilibria	60
304	1993	Sodium inhibition and sulphate reduction in the anaerobic treatment of mussel processing wastewaters	Soto M., Mendez R., Lema J.M.	Journal of Chemical Technology & Biotechnology	60
305	2012	Alkaline pre-treatment of waste chestnut shell from a food industry to enhance cadmium, copper, lead and zinc ions removal	Vazquez G., Mosquera O., Freire M.S., Antorrena G., Gonzalez-alvarez J.	Chemical Engineering Journal	59
306	2006	Influence of extraction conditions on phenolic yields from pine bark: Assessment of procyanidins polymerization degree by thiolysis	Jerez M., Pinelo M., Sineiro J., Nunez M.J.	Food Chemistry	59

307	2002	A thermodynamic study on binary and ternary mixtures of acetonitrile, water and butyl acetate	Acosta J., Arce A., Rodil E., Soto A.	Fluid Phase Equilibria	59
308	1997	Grape drying in a pilot plant with a heat pump	Vazquez G., Chenlo F., Moreira R., Cruz E.	Drying Technology	59
309	2014	Environmental assessment of the integrated municipal solid waste management system in Porto (Portugal)	Herva M., Neto B., Roca E.	Journal of Cleaner Production	58
310	2012	A case study of product engineering: Performance of microencapsulated perfumes on textile applications	Teixeira M.A., Rodriguez O., Rodrigues S., Martins I., Rodrigues A.E.	AIChE Journal	58
311	2010	Wheat gluten nanocomposite films as food-contact materials: Migration tests and impact of a novel food stabilization technology (High pressure)	Mauricio-Iglesias M., Peyron S., Guillard V., Gontard N.	Journal of Applied Polymer Science	58
312	2001	Simultaneous urea hydrolysis, formaldehyde removal and denitrification in a multifed upflow filter under anoxic and anaerobic conditions	Garrido J.M., Mendez R., Lema J.M.	Water Research	58
313	1998	Optimization of the enzymatic treatment during aqueous oil extraction from sunflower seeds	Sineiro J., Dominguez H., Nunez M.J., Lema J.M.	Food Chemistry	58
314	2014	Comparative environmental and energy profiles of potential bioenergy production chains in Southern Europe	Gonzalez-Garcia S., Dias A.C., Clermidy S., Benoist A., Bellon Maurel V., Gasol C.M., Gabarrell X., Arroja L.	Journal of Cleaner Production	57
315	2008	An approach for the application of the Ecological Footprint as environmental indicator in the textile sector	Herva M., Franco A., Ferreiro S., Alvarez A., Roca E.	Journal of Hazardous Materials	57
316	2006	Anammox process for nitrogen removal from anaerobically digested fish canning effluents	Dapena-Mora A., Campos J.L., Mosquera-Corral A., Mendez R.	Water Science and Technology	57
317	2005	Behaviour of pharmaceuticals and personal care products in a sewage treatment plant of northwest Spain	Carballa M., Omil F., Lema J.M., Llompert M., Garcia C., Rodriguez I., Gomez M., Ternes T.	Water Science and Technology	57
318	1995	Lignin-phenol-formaldehyde adhesives for exterior grade plywoods	Vazquez G., Antorrena G., Gonzalez J., Mayor J.	Bioresource Technology	57
319	2017	Eco-efficiency assessment of farm-scaled biogas plants	Lijo L., Lorenzo-Toja Y., Gonzalez-Garcia S., Bacenetti J., Negri M., Moreira M.T.	Bioresource Technology	56
320	2016	Understanding the fate of organic micropollutants in sand and granular activated carbon biofiltration systems	Paredes L., Fernandez-Fontaina E., Lema J.M., Omil F., Carballa M.	Science of the Total Environment	56
321	2015	Valorisation of fish by-products against waste management treatments - Comparison of environmental impacts	Lopes C., Antelo L.T., Franco-Uria A., Alonso A.A., Perez-Martin R.	Waste Management	56
322	2013	Solubility of sugars and sugar alcohols in ionic liquids: Measurement and PC-SAFT modeling	Carneiro A.P., Held C., Rodriguez O., Sadowski G., Macedo E.A.	Journal of Physical Chemistry B	56
323	2013	Environmental life cycle assessment of a dairy product: The yoghurt	Gonzalez-Garcia S., Castanheira E.G., Dias A.C., Arroja L.	International Journal of Life Cycle Assessment	56

324	2012	Present and future environmental impact of poplar cultivation in the Po Valley (Italy) under different crop management systems	Gonzalez-Garcia S., Bacenetti J., Murphy R.J., Fiala M.	Journal of Cleaner Production	56
325	2012	On the double role of surfactants as microalga cell lysis agents and antioxidants extractants	Ulloa G., Coutens C., Sanchez M., Sineiro J., Fabregas J., Deive F.J., Rodriguez A., Nunez M.J.	Green Chemistry	56
326	2010	Estimation of the carbon footprint of the Galician fishing activity (NW Spain)	Iribarren D., Vazquez-Rowe I., Hospido A., Moreira M.T., Feijoo G.	Science of the Total Environment	56
327	2010	Revisiting the Life Cycle Assessment of mussels from a sectorial perspective	Iribarren D., Moreira M.T., Feijoo G.	Journal of Cleaner Production	56
328	2009	Identification of best available techniques in the seafood industry: a case study	Barros M.C., Magan A., Valino S., Bello P.M., Casares J.J., Blanco J.M.	Journal of Cleaner Production	56
329	2006	Kinetics of osmotic dehydration of pumpkin with sodium chloride solutions	Mayor L., Moreira R., Chenlo F., Sereno A.M.	Journal of Food Engineering	56
330	2003	Formation of silver chloride nanoparticles in microemulsions by direct precipitation with the surfactant counterion	Husein M., Rodil E., Vera J.	Langmuir	56
331	1998	Review: Anaerobic treatment of municipal sanitary landfill leachates: The problem of refractory and toxic components	Alkalay D., Guerrero L., Lema J.M., Mendez R., Chamy R.	World Journal of Microbiology and Biotechnology	56
332	2012	A methodology to estimate greenhouse gases emissions in Life Cycle Inventories of wastewater treatment plants	Rodriguez-Garcia G., Hospido A., Bagley D.M., Moreira M.T., Feijoo G.	Environmental Impact Assessment Review	55
333	2012	Response surface optimization of antioxidants extraction from chestnut ( <i>Castanea sativa</i> ) bur	Vazquez G., Fernandez-Agullo A., Gomez-Castro C., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	Industrial Crops and Products	55
334	2011	Environmental assessment of the Atlantic mackerel ( <i>Scomber scombrus</i> ) season in the Basque Country. Increasing the timeline delimitation in fishery LCA studies	Ramos S., Vazquez-Rowe I., Artetxe I., Moreira M.T., Feijoo G., Zufia J.	International Journal of Life Cycle Assessment	55
335	2010	Extraction ability of nitrogen-containing compounds involved in the desulfurization of fuels by using ionic liquids	Alonso L., Arce A., Francisco M., Soto A.	Journal of Chemical and Engineering Data	55
336	2007	Adsorption of phenol on formaldehyde-pretreated <i>Pinus pinaster</i> bark: Equilibrium and kinetics	Vazquez G., Gonzalez-Alvarez J., Garcia A.I., Freire M.S., Antorrena G.	Bioresource Technology	55
337	2005	An innovative biofilm-suspended biomass hybrid membrane bioreactor for wastewater treatment	Artiga P., Oyanedel V., Garrido J.M., Mendez R.	Desalination	55
338	2003	Surface tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K	Alvarez E., Cancela A., Maceiras R., Navaza J.M., Taboas R.	Journal of Chemical and Engineering Data	55
339	1995	Aqueous processing of sunflower kernels with enzymatic technology	Dominguez H., Nunez M.J., Lema J.M.	Food Chemistry	55

340	2016	A UASB reactor coupled to a hybrid aerobic MBR as innovative plant configuration to enhance the removal of organic micropollutants	Alvarino T., Suarez S., Garrido M., Lema J.M., Omil F.	Chemosphere	54
341	2014	Assuring the sustainable production of biogas from anaerobic mono-digestion	Lijo L., Gonzalez-Garcia S., Bacenetti J., Fiala M., Feijoo G., Moreira M.T.	Journal of Cleaner Production	54
342	2013	Environmental life cycle assessment of a galician cheese: San Simon da Costa	Gonzalez-Garcia S., Hospido A., Moreira M.T., Feijoo G., Arroja L.	Journal of Cleaner Production	54
343	2012	Is the CANON reactor an alternative for nitrogen removal from pre-treated swine slurry?	Figuerola M., Vazquez-Padin J.R., Mosquera-Corral A., Campos J.L., Mendez R.	Biochemical Engineering Journal	54
344	2010	Liquid-liquid equilibrium and interfacial tension of the ternary system heptane+thiophene+1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide	Rodriguez H., Francisco M., Soto A., Arce A.	Fluid Phase Equilibria	54
345	2009	Influence of manganese and ammonium oxidation on the removal of 17 $\alpha$ -ethinylestradiol (EE2)	Forrez I., Carballa M., Noppe H., De Brabander H., Boon N., Verstraete W.	Water Research	54
346	1996	Xylitol production by immobilized recombinant <i>Saccharomyces cerevisiae</i> in a continuous packed-bed bioreactor	Roca E., Meinander N., Hahn-Hagerdal B.	Biotechnology and Bioengineering	54
347	1996	Control of pellet morphology of filamentous fungi in fluidized bed bioreactors by means of a pulsing flow. Application to <i>Aspergillus niger</i> and <i>Phanerochaete chrysosporium</i>	Moreira M.T., Sanroman A., Feijoo G., Lema J.M.	Enzyme and Microbial Technology	54
348	1995	Acetosolv Pulping of <i>Eucalyptus globulus</i> Wood Part 1. The Effect of Operational Variables on Pulp Yield, Pulp Lignin Content and Pulp Potential Glucose Content	Vazquez G., Antorrena G., Gonzalez J.	Holzforschung	54
349	2017	Optimization of solvent extraction of antioxidants from <i>Eucalyptus globulus</i> leaves by response surface methodology: Characterization and assessment of their bioactive properties	Gullon B., Gullon P., Lu-Chau T.A., Moreira M.T., Lema J.M., Eibes G.	Industrial Crops and Products	53
350	2014	Combined physical and chemical absorption of carbon dioxide in a mixture of ionic liquids	Pinto A.M., Rodriguez H., Arce A., Soto A.	Journal of Chemical Thermodynamics	53
351	2013	Desulfurization of fuels by liquid-liquid extraction with 1-ethyl-3-methylimidazolium ionic liquids	Rodriguez-Cabo B., Arce A., Soto A.	Fluid Phase Equilibria	53
352	2001	Characteristics of <i>Pinus pinaster</i> bark extracts obtained under various extraction conditions	Vazquez G., Gonzalez-Alvarez J., Freire S., Lopez-Suevos F., Antorrena G.	Holz als Roh - und Werkstoff	53
353	1993	Liquid-Liquid Equilibria of the Ternary System Water + Propanoic Acid + Methyl Isobutyl Ketone at Various Temperatures	Arce A., Blanco A., Souza P., Vidal I.	Journal of Chemical and Engineering Data	53
354	1990	A new device for measurement and control of gas production by bench scale anaerobic digesters	Veiga M.C., Soto M., Mendez R., Lema J.M.	Water Research	53



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356	2013	Desulfurization of fuel-oils with [C2mim][NTf2]: A comparative study	Rodriguez-Cabo B., Soto A., Arce A.	Journal of Chemical Thermodynamics	52
357	2011	Assessing the global warming potential of wooden products from the furniture sector to improve their ecodesign	Gonzalez-Garcia S., Gasol C.M., Lozano R.G., Moreira M.T., Gabarrell X., Rieradevall i Pons J., Feijoo G.	Science of the Total Environment	52
358	2011	Thermal pre-treatment of aerobic granular sludge: Impact on anaerobic biodegradability	Val del Rio A., Morales N., Isanta E., Mosquera-Corral A., Campos J.L., Steyer J.P., Carrere H.	Water Research	52
359	2011	Environmental assessment: (LCA) and spatial modelling (GIS) of energy crop implementation on local scale	Gasol C.M., Gabarrell X., Rigola M., Gonzalez-Garcia S., Rieradevall J.	Biomass and Bioenergy	52
360	2007	Processing of Rosa rubiginosa: Extraction of oil and antioxidant substances	Franco D., Pinelo M., Sineiro J., Nunez M.J.	Bioresource Technology	52
361	2007	Liquid-liquid equilibria for systems composed by 1-methyl-3-octylimidazolium tetrafluoroborate ionic liquid, thiophene, and n-hexane or cyclohexane	Alonso L., Arce A., Francisco M., Rodriguez O., Soto A.	Journal of Chemical and Engineering Data	52
362	2007	Evaluation of biodiesel as bioremediation agent for the treatment of the shore affected by the heavy oil spill of the Prestige	Fernandez-Alvarez P., Vila J., Garrido J.M., Grifoll M., Feijoo G., Lema J.M.	Journal of Hazardous Materials	52
363	2004	Diagnosis of acidification states in an anaerobic wastewater treatment plant using a fuzzy-based expert system	Carrasco E.F., Rodriguez J., Punal A., Roca E., Lema J.M.	Control Engineering Practice	52
364	2003	Iron removal from kaolin. Comparison between "in situ" and "two-stage" bioleaching processes	Cameselle C., Ricart M.T., Nunez M.J., Lema J.M.	Hydrometallurgy	52
365	1997	Treatment of saline wastewaters from fish meal factories in an anaerobic filter under extreme ammonia concentrations	Guerrero L., Omil F., Mendez R., Lema J.M.	Bioresource Technology	52
366	1993	Densities, Refractive Indices, and Excess Molar Volumes of the Ternary Systems Water + Methanol + 1-Octanol and Water + Ethanol + 1-Octanol and Their Binary Mixtures at 298.15 K	Arce A., Blanco A., Soto A., Vidal I.	Journal of Chemical and Engineering Data	52
367	1989	Liquid—Liquid Equilibria of the System Water + Acetic Acid + Methyl Isopropyl Ketone between 25 And 55 °C	Correa J.M., Blanco A., Arce A.	Journal of Chemical and Engineering Data	52
368	2020	The application of life cycle assessment (LCA) to wastewater treatment: A best practice guide and critical review	Corominas L., Byrne D.M., Guest J.S., Hospido A., Roux P., Shaw A., Short M.D.	Water Research	51
369	2016	The granular biomass properties and the acclimation period affect the partial nitrification/anammox process stability at a low temperature and ammonium concentration	Morales N., Val del Rio A., Vazquez-Padin J.R., Mendez R., Campos J.L., Mosquera-Corral A.	Process Biochemistry	51

370	2016	Role of biotransformation, sorption and mineralization of <sup>14</sup> C-labelled sulfamethoxazole under different redox conditions	Alvarino T., Nastold P., Suarez S., Omil F., Corvini P.F.X., Bouju H.	Science of the Total Environment	51
371	2014	Life cycle assessment of nutrient removal technologies for the treatment of anaerobic digestion supernatant and its integration in a wastewater treatment plant	Rodriguez-Garcia G., Frison N., Vazquez-Padin J.R., Hospido A., Garrido J.M., Fatone F., Bolzonella D., Moreira M.T., Feijoo G.	Science of the Total Environment	51
372	2013	Modeling thermodynamic properties of aqueous single-solute and multi-solute sugar solutions with PC-SAFT	Held C., Sadowski G., Carneiro A., Rodriguez O., Macedo E.A.	AIChE Journal	51
373	2006	Trials of bioremediation on a beach affected by the heavy oil spill of the Prestige	Fernandez-Alvarez P., Vila J., Garrido-Fernandez J.M., Grifoll M., Lema J.M.	Journal of Hazardous Materials	51
374	1996	VLE measurements of binary mixtures of methanol, ethanol, 2-methoxy-2-methylpropane, and 2-methoxy-2-methylbutane at 101.32 kPa	Arce A., Martinez-Ageitos J., Soto A.	Journal of Chemical and Engineering Data	51
375	2021	The fate of SARS-COV-2 in WWTPS points out the sludge line as a suitable spot for detection of COVID-19	Balboa S., Mauricio-Iglesias M., Rodriguez S., Martinez-Lamas L., Vassallo F.J., Regueiro B., Lema J.M.	Science of the Total Environment	50
376	2017	Outstanding electrochemical performance of highly N- and O-doped carbons derived from pine tannin	Sanchez-Sanchez A., Izquierdo M.T., Mathieu S., Gonzalez-Alvarez J., Celzard A., Fierro V.	Green Chemistry	50
377	2014	Modelling cometabolic biotransformation of organic micropollutants in nitrifying reactors	Fernandez-Fontaina E., Carballa M., Omil F., Lema J.M.	Water Research	50
378	2014	Challenges in industrial fermentation technology research	Formenti L.R., Norregaard A., Bolic A., Hernandez D.Q., Hagemann T., Heins A.-L., Larsson H., Mears L., Mauricio-Iglesias M., Kruhne U., Gernaey K.V.	Biotechnology Journal	50
379	2012	Aerobic granular SBR systems applied to the treatment of industrial effluents	Val del Rio A., Figueroa M., Arrojo B., Mosquera-Corral A., Campos J.L., Garcia-Torriello G., Mendez R.	Journal of Environmental Management	50
380	2010	Life Cycle Assessment of fresh and canned mussel processing and consumption in Galicia (NW Spain)	Iribarren D., Moreira M.T., Feijoo G.	Resources, Conservation and Recycling	50
381	2009	Maximum removal rate of propionic acid as a sole carbon source in UASB reactors and the importance of the macro- and micro-nutrients stimulation	Ma J., Mungoni L.J., Verstraete W., Carballa M.	Bioresource Technology	50
382	2007	Bioremediation of HCH present in soil by the white-rot fungus <i>Bjerkandera adusta</i> in a slurry batch bioreactor	Quintero J.C., Lu-Chau T.A., Moreira M.T., Feijoo G., Lema J.M.	International Biodeterioration and Biodegradation	50
383	2007	Biodegradation of dibenzothiophene, fluoranthene, pyrene and chrysene in a soil slurry reactor by the white-rot fungus <i>Bjerkandera</i> sp. BOS55	Valentin L., Lu-Chau T.A., Lopez C., Feijoo G., Moreira M.T., Lema J.M.	Process Biochemistry	50
384	2007	Ethanol extraction of <i>Rosa rubiginosa</i> soluble substances: Oil solubility equilibria and kinetic studies	Franco D., Sineiro J., Pinelo M., Nunez M.J.	Journal of Food Engineering	50

385	2004	Role of exopolymeric protein on the settleability of nitrifying sludges	Martinez F.O., Lema J., Mendez R., Cuervo-Lopez F., Gomez J.	Bioresource Technology	50
386	2017	Quantitative assessment of energy and resource recovery in wastewater treatment plants based on plant-wide simulations	Fernandez-Arevalo T., Lizarralde I., Fdz-Polanco F., Perez-Elvira S.I., Garrido J.M., Puig S., Poch M., Grau P., Ayesa E.	Water Research	49
387	2012	Autotrophic denitrification with sulphide in a sequencing batch reactor	Fajardo C., Mosquera-Corral A., Campos J.L., Mendez R.	Journal of Environmental Management	49
388	2011	Immobilization of laccase by encapsulation in a sol-gel matrix and its characterization and use for the removal of estrogens	Lloret L., Eibes G., Feijoo G., Moreira M.T., Lema J.M., Hollmann F.	Biotechnology Progress	49
389	2010	Development of regional characterization factors for aquatic eutrophication	Gallego A., Rodriguez L., Hospido A., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	49
390	2004	Formation of silver bromide precipitate of nanoparticles in a single microemulsion utilizing the surfactant counterion	Husein M., Rodil E., Vera J.H.	Journal of Colloid and Interface Science	49
391	2003	Evaluation of mass transfer coefficients and volumetric shrinkage during osmotic dehydration of apple using sucrose solutions in static and non-static conditions	Moreira R., Sereno A.M.	Journal of Food Engineering	49
392	2010	Liquid mixtures of ionic liquids and polymers as solvent systems	Rodriguez H., Rogers R.D.	Fluid Phase Equilibria	48
393	2010	Rheological behaviour of aqueous systems of tragacanth and guar gums with storage time	Chenlo F., Moreira R., Silva C.	Journal of Food Engineering	48
394	2009	Plant location and extraction procedure strongly alter the antimicrobial activity of murta extracts	Shene C., Reyes A.K., Villarroel M., Sineiro J., Pinelo M., Rubilar M.	European Food Research and Technology	48
395	1999	Continuous anaerobic treatment of wastewaters containing formaldehyde and urea	Vidal G., Jiang Z.P., Omil F., Thalasso F., Mendez R., Lema J.M.	Bioresource Technology	48
396	1999	Acetosolv pine lignin as copolymer in resins for manufacture of exterior grade plywoods	Vazquez G., Rodriguez-Bona C., Freire S., Gonzalez-Alvarez J., Antorrena G.	Bioresource Technology	48
397	1998	Strategies for the continuous production of ligninolytic enzymes in fixed and fluidised bed bioreactors	Moreira M.T., Palma C., Feijoo G., Lema J.M.	Journal of Biotechnology	48
398	1996	VLE for water + ethanol + 1-octanol mixtures. Experimental measurements and correlations	Arce A., Martinez-Ageitos J., Soto A.	Fluid Phase Equilibria	48
399	1987	Cell immobilization: Application to alcohol production	Nunez M.J., Lema J.M.	Enzyme and Microbial Technology	48
400	2015	Comparative life cycle assessment of three representative feed cereals production in the Po Valley (Italy)	Noya I., Gonzalez-Garcia S., Bacenetti J., Arroja L., Moreira M.T.	Journal of Cleaner Production	47

401	2014	Mixtures of ethanol and the ionic liquid 1-ethyl-3-methylimidazolium acetate for the fractionated solubility of biopolymers of lignocellulosic biomass	Castro M.C., Rodriguez H., Arce A., Soto A.	Industrial and Engineering Chemistry Research	47
402	2013	Operation of an aerobic granular pilot scale SBR plant to treat swine slurry	Morales N., Figueroa M., Fra-Vazquez A., Val Del Rio A., Campos J.L., Mosquera-Corral A., Mendez R.	Process Biochemistry	47
403	2010	LLE for (water+ionic liquid) binary systems using [Cxmim][BF4] (x=6, 8) ionic liquids	Maia F.M., Rodriguez O., Macedo E.A.	Fluid Phase Equilibria	47
404	2010	Environmental performance of lignocellulosic bioethanol production from alfalfa stems	Gonzalez-Garcia S., Moreira M.T., Feijoo G.	Biofuels, Bioproducts and Biorefining	47
405	2010	Flaxseed and flaxseed cake as a source of compounds for food industry	Gutierrez C., Rubilar M., Jara C., Verdugo M., Sineiro J., Shene C.	Journal of Soil Science and Plant Nutrition	47
406	2009	Strategies to optimize phosphate removal from industrial anaerobic effluents by magnesium ammonium phosphate (MAP) production	Carballa M., Moerman W., De Windt W., Grootaerd H., Verstraete W.	Journal of Chemical Technology and Biotechnology	47
407	2008	Energy-based models for environmental biotechnology	Rodriguez J., Lema J.M., Kleerebezem R.	Trends in Biotechnology	47
408	2002	An expert system for monitoring and diagnosis of anaerobic wastewater treatment plants	Punal A., Roca E., Lema J.M.	Water Research	47
409	1996	The effect of antibiotics on nitrification processes batch assays	Gomez J., Mendez R., Lema J.M.	Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology	47
410	2019	Application of immobilized TiO <sub>2</sub> on PVDF dual layer hollow fibre membrane to improve the photocatalytic removal of pharmaceuticals in different water matrices	Paredes L., Murgolo S., Dzinun H., Dzarfan Othman M.H., Ismail A.F., Carballa M., Mascolo G.	Applied Catalysis B: Environmental	46
411	2013	On the use of a high-redox potential laccase as an alternative for the transformation of non-steroidal anti-inflammatory drugs (NSAIDs)	Lloret L., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Journal of Molecular Catalysis B: Enzymatic	46
412	2013	NMR characterization of carbon dioxide chemical absorption with monoethanolamine, diethanolamine, and triethanolamine	Garcia-Abuín A., Gomez-Diaz D., Lopez A.B., Navaza J.M., Rumbo A.	Industrial and Engineering Chemistry Research	46
413	2013	Using Life Cycle Assessment methodology to assess UHT milk production in Portugal	Gonzalez-Garcia S., Castanheira T.G., Dias A.C., Arroja L.	Science of the Total Environment	46
414	2012	Sensitivity analysis of autotrophic N removal by a granule based bioreactor: Influence of mass transfer versus microbial kinetics	Vangsgaard A.K., Mauricio-Iglesias M., Germaey K.V., Smets B.F., Sin G.	Bioresource Technology	46
415	2009	Environmental aspects of ethanol-based fuels from Brassica carinata: A case study of second generation ethanol	Gonzalez-Garcia S., Gasol C.M., Gabarrell X., Rieradevall J., Moreira M.T., Feijoo G.	Renewable and Sustainable Energy Reviews	46

416	2006	A comparative study on solvents for separation of tert-amyl ethyl ether and ethanol mixtures. New experimental data for 1-ethyl-3-methyl imidazolium ethyl sulfate ionic liquid	Arce A., Rodriguez O., Soto A.	Chemical Engineering Science	46
417	2006	Purification of ethyl tert-butyl ether from its mixtures with ethanol by using an ionic liquid	Arce A., Rodriguez H., Soto A.	Chemical Engineering Journal	46
418	2003	Influence of crown ethers on the electric percolation of AOT/isooctane/water (w/o) microemulsions	Dasilva-Carvalho J., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Rodriguez-Dafonte P.	Langmuir	46
419	2002	Rule-based diagnosis and supervision of a pilot-scale wastewater treatment plant using fuzzy logic techniques	Carrasco E.F., Rodriguez J., Pual A., Roca E., Lema J.M.	Expert Systems with Applications	46
420	1997	Acetosolv pulping of pine wood. Kinetic modelling of lignin solubilization and condensation	Vazquez G., Antorrena G., Gonzalez J., Freire S., Lopez S.	Bioresource Technology	46
421	2015	Metabolic energy-based modelling explains product yielding in anaerobic mixed culture fermentations	Gonzalez-Cabaleiro R., Lema J.M., Rodriguez J.	PLoS ONE	45
422	2014	Evaluation of water services system through LCA. A case study for Iasi City, Romania	Barjoveanu G., Comandaru I.M., Rodriguez-Garcia G., Hospido A., Teodosiu C.	International Journal of Life Cycle Assessment	45
423	2013	Impact of oxygen limitation on glycerol-based biopolymer production by bacterial enrichments	Moralejo-Garate H., Kleerebezem R., Mosquera-Corral A., Van Loosdrecht M.C.M.	Water Research	45
424	2010	Physical properties and phase equilibria of the system isopropyl acetate + isopropanol + 1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide	Andreatta A.E., Arce A., Rodil E., Soto A.	Fluid Phase Equilibria	45
425	2009	Biological removal of 17 $\alpha$ -ethinylestradiol (EE2) in an aerated nitrifying fixed bed reactor during ammonium starvation	Forrez I., Carballa M., Boon N., Verstraete W.	Journal of Chemical Technology and Biotechnology	45
426	2008	Granular biomass capable of partial nitrification and anammox	Vlaeminck S.E., Cloetens L.F.F., Carballa M., Boon N., Verstraete W.	Water Science and Technology	45
427	2007	Effect of stirring in the osmotic dehydration of chestnut using glycerol solutions	Moreira R., Chenlo F., Torres M.D., Vazquez G.	LWT - Food Science and Technology	45
428	2006	Variable stoichiometry with thermodynamic control in ADM1	Rodriguez J., Lema J.M., van Loosdrecht M.C.M., Kleerebezem R.	Water Science and Technology	45
429	2006	A novel approach for the preparation of AgBr nanoparticles from their bulk solid precursor using CTAB microemulsions	Husein M.M., Rodil E., Vera J.H.	Langmuir	45
430	2003	Enzymic pre-treatment of Guevina avellana mol oil extraction by pressing	Zuniga M.E., Soto C., Mora A., Chamy R., Lema J.M.	Process Biochemistry	45
431	1998	Protein recovery during the overall treatment of wastewaters from fish-meal factories	Guerrero L., Omil F., Mendez R., Lema J.M.	Bioresource Technology	45
432	1995	Kinetics of acid-catalysed delignification of Eucalyptus globulus wood by acetic acid	Vazquez G., Antorrena G., Gonzalez J.	Wood Science and Technology	45

433	1993	Oil extractability from enzymatically treated soybean and sunflower: range of operational variables	Dominguez H., Nunez M.J., Lema J.M.	Food Chemistry	45
434	2012	Enhanced methane production from pig manure anaerobic digestion using fish and biodiesel wastes as co-substrates	Regueiro L., Carballa M., Alvarez J.A., Lema J.M.	Bioresource Technology	44
435	2011	Life Cycle Assessment of fresh hake fillets captured by the Galician fleet in the Northern Stock	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Fisheries Research	44
436	2007	Measurement and correlation of liquid-liquid equilibria of two imidazolium ionic liquids with thiophene and methylcyclohexane	Alonso L., Arce A., Francisco M., Soto A.	Journal of Chemical and Engineering Data	44
437	2007	Comparison and analysis of different approaches for estimating the human exposure to phthalate esters	Franco A., Prevedouros K., Alli R., Cousins I.T.	Environment International	44
438	1998	Effect of the cation and the anion of an electrolyte on the solubility of DL-aminobutyric acid in aqueous solutions: Measurement and modelling	Soto A., Arce A., Khoshkbarchi M.K., Vera J.H.	Biophysical Chemistry	44
439	2017	Mixtures of ionic liquids as more efficient media for cellulose dissolution	Stolarska O., Pawlowska-Zygarowicz A., Soto A., Rodriguez H., Smiglak M.	Carbohydrate Polymers	43
440	2017	Comparative life cycle assessment of real pilot reactors for microalgae cultivation in different seasons	Perez-Lopez P., de Vree J.H., Feijoo G., Bosma R., Barbosa M.J., Moreira M.T., Wijffels R.H., van Bortel A.J.B., Kleinegris D.M.M.	Applied Energy	43
441	2017	Removal of dissolved methane and nitrogen from anaerobically treated effluents at low temperature by MBR post-treatment	Silva-Teira A., Sanchez A., Buntner D., Rodriguez-Hernandez L., Garrido J.M.	Chemical Engineering Journal	43
442	2015	Life cycle assessment of pigmeat production: Portuguese case study and proposal of improvement options	Gonzalez-Garcia S., Belo S., Dias A.C., Rodrigues J.V., Costa R.R.D., Ferreira A., Andrade L.P.D., Arroja L.	Journal of Cleaner Production	43
443	2015	Filamentous bacteria existence in aerobic granular reactors	Figueroa M., Val Del Rio A., Campos J.L., Mendez R., Mosquera-Corral A.	Bioprocess and Biosystems Engineering	43
444	2014	Outlining microbial community dynamics during temperature drop and subsequent recovery period in anaerobic co-digestion systems	Regueiro L., Carballa M., Lema J.M.	Journal of Biotechnology	43
445	2014	PPCPs in wastewater - Update and calculation of characterization factors for their inclusion in LCA studies	Alfonsin C., Hospido A., Omil F., Moreira M.T., Feijoo G.	Journal of Cleaner Production	43
446	2013	Effect of water and guar gum content on thermal properties of chestnut flour and its starch	Torres M.D., Moreira R., Chenlo F., Morel M.H.	Food Hydrocolloids	43
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449	2012	Effect of aqueous two-phase system constituents in different poly(ethylene glycol)-salt phase diagrams	Silverio S.C., Wegrzyn A., Lladosa E., Rodriguez O., MacEdo E.A.	Journal of Chemical and Engineering Data	43
450	2012	Life cycle assessment of hemp hurds use in second generation ethanol production	Gonzalez-Garcia S., Luo L., Moreira M.T., Feijoo G., Huppés G.	Biomass and Bioenergy	43
451	2011	Environmental Life Cycle Assessment of a Swedish Dissolving Pulp Mill Integrated Biorefinery	Gonzalez-Garcia S., Hospido A., Agnemo R., Svensson P., Selling E., Moreira M.T., Feijoo G.	Journal of Industrial Ecology	43
452	2011	Deterpenation of citrus essential oil by liquid-liquid extraction with 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amide ionic liquids	Lago S., Rodriguez H., Soto A., Arce A.	Journal of Chemical and Engineering Data	43
453	2010	Environmental impact assessment of non-wood based pulp production by soda-anthraquinone pulping process	Gonzalez-Garcia S., Teresa Moreira M., Artal G., Maldonado L., Feijoo G.	Journal of Cleaner Production	43
454	2009	Equilibrium and kinetic modelling of the adsorption of Cd <sup>2+</sup> ions onto chestnut shell	Vazquez G., Sonia Freire M., Gonzalez-Alvarez J., Antorrena G.	Desalination	43
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456	2007	Biodegradation of pentachlorophenol in soil slurry cultures by <i>bjerkandera adusta</i> and <i>anthracophyllum discolor</i>	Rubilar O., Feijoo G., Diez C., Lu-Chau T.A., Moreira M.T., Lema J.M.	Industrial and Engineering Chemistry Research	43
457	2004	Sorption and transport of water vapor in thin polymer films at 35°C	Arce A., Fornasiero F., Rodriguez O., Radke C.J., Prausnitz J.M.	Physical Chemistry Chemical Physics	43
458	2003	Coupled BAS and anoxic USB system to remove urea and formaldehyde from wastewater	Campos J.L., Sanchez M., Mosquera-Corral A., Mendez R., Lema J.M.	Water Research	43
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460	2001	Carbon and nitrogen removal from a wastewater of an industrial dairy laboratory with a coupled anaerobic filter-sequencing batch reactor system	Garrido J.M., Omil F., Arrojo B., Mendez R., Lema J.M.	Water Science and Technology	43
461	1997	Characterization of biomass from a sulfidogenic, volatile fatty acid-degrading granular sludge reactor	Omil F., Lens P., Hulshoff Pol L.W., Lettinga G.	Enzyme and Microbial Technology	43
462	2018	Hydrothermal treatment of chestnut shells ( <i>Castanea sativa</i> ) to produce oligosaccharides and antioxidant compounds	Gullon B., Eibes G., Davila I., Moreira M.T., Labidi J., Gullon P.	Carbohydrate Polymers	42
463	2018	Role of methanogenesis on the biotransformation of organic micropollutants during anaerobic digestion	Gonzalez-Gil L., Mauricio-Iglesias M., Serrano D., Lema J.M., Carballa M.	Science of the Total Environment	42
464	2018	Chitin production from crustacean biomass: Sustainability assessment of chemical and enzymatic processes	Lopes C., Antelo L.T., Franco-Uria A., Alonso A.A., Perez-Martin R.	Journal of Cleaner Production	42

465	2016	Environmental performance of wood pellets' production through life cycle analysis	Laschi A., Marchi E., Gonzalez-Garcia S.	Energy	42
466	2015	Kinetic modelling of anaerobic hydrolysis of solid wastes, including disintegration processes	Garcia-Gen S., Sousbie P., Rangaraj G., Lema J.M., Rodriguez J., Steyer J.-P., Torrijos M.	Waste Management	42
467	2014	Comparative environmental assessment of valorization strategies of the invasive macroalgae <i>Sargassum muticum</i>	Perez-Lopez P., Balboa E.M., Gonzalez-Garcia S., Dominguez H., Feijoo G., Moreira M.T.	Bioresource Technology	42
468	2012	Synoptic patterns and air mass transport during ozone episodes in northwestern Iberia	Saavedra S., Rodriguez A., Taboada J.J., Souto J.A., Casares J.J.	Science of the Total Environment	42
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470	2012	Hexyl dimethylpyridinium ionic liquids for desulfurization of fuels. Effect of the position of the alkyl side chains	Rodriguez-Cabo B., Francisco M., Soto A., Arce A.	Fluid Phase Equilibria	42
471	2012	Extraction of antioxidants from eucalyptus ( <i>Eucalyptus globulus</i> ) bark	Vazquez G., Santos J., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	Wood Science and Technology	42
472	2011	Computation of operational and environmental benchmarks within selected galician fishing fleets	Vazquez-Rowe I., Iribarren D., Hospido A., Moreira M.T., Feijoo G.	Journal of Industrial Ecology	42
473	2011	Rheology of commercial chestnut flour doughs incorporated with gelling agents	Moreira R., Chenlo F., Torres M.D.	Food Hydrocolloids	42
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475	2009	Physical and excess properties of (methyl acetate + methanol + 1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide) and its binary mixtures at T = 298.15 K and atmospheric pressure	Andreatta A.E., Arce A., Rodil E., Soto A.	Journal of Chemical Thermodynamics	42
476	2006	Towards accurate values of individual ion activities: Additional data for NaCl, NaBr and KCl, and new data for NH <sub>4</sub> Cl	Wilczek-Vera G., Rodil E., Vera J.H.	Fluid Phase Equilibria	42
477	2001	Advanced monitoring and control of anaerobic wastewater treatment plants: Diagnosis and supervision by a fuzzy-based expert system	Punal A., Rodriguez J., Franco A., Carrasco E.F., Roca E., Lema J.M.	Water Science and Technology	42
478	1995	Enzymatic treatment of sunflower kernels before oil extraction	Dominguez H., Sineiro J., Nunez M.J., Lema J.M.	Food Research International	42
479	1991	Biodegradability and toxicity in the anaerobic treatment of fish canning wastewaters	Soto M., Mendez R., Lema J.M.	Environmental Technology (United Kingdom)	42
480	2018	Valorisation of olive agro-industrial by-products as a source of bioactive compounds	Gullon B., Gullon P., Eibes G., Cara C., De Torres A., Lopez-Linares J.C., Ruiz E., Castro E.	Science of the Total Environment	41
481	2018	Assessing the sustainability of Spanish cities considering environmental and socio-economic indicators	Gonzalez-Garcia S., Manteiga R., Moreira M.T., Feijoo G.	Journal of Cleaner Production	41



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484	2015	Comparison of several methods for the separation of poly(3-hydroxybutyrate) from <i>Cupriavidus necator</i> H16 cultures	Lopez-Abelairas M., Garcia-Torreiro M., Lu-Chau T., Lema J.M., Steinbuchel A.	Biochemical Engineering Journal	41
485	2013	Effect of chia ( <i>Sativa hispanica</i> L.) and hydrocolloids on the rheology of gluten-free doughs based on chestnut flour	Moreira R., Chenlo F., Torres M.D.	LWT - Food Science and Technology	41
486	2012	Rheological properties of gelatinized chestnut starch dispersions: Effect of concentration and temperature	Moreira R., Chenlo F., Torres M.D., Glazer J.	Journal of Food Engineering	41
487	2012	Operation of stirred tank reactors (STRs) and fixed-bed reactors (FBRs) with free and immobilized <i>Phanerochaete chrysosporium</i> for the continuous removal of pharmaceutical compounds	Rodarte-Morales A.I., Feijoo G., Moreira M.T., Lema J.M.	Biochemical Engineering Journal	41
488	2011	Combined application of LCA and eco-design for the sustainable production of wood boxes for wine bottles storage	Gonzalez-Garcia S., Silva F.J., Moreira M.T., Pascual R.C., Lozano R.G., Gabarrell X., Pons J.R.I., Feijoo G.	International Journal of Life Cycle Assessment	41
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491	2019	Biotransformation of organic micropollutants by anaerobic sludge enzymes	Gonzalez-Gil L., Krah D., Ghattas A.-K., Carballa M., Wick A., Helmholz L., Lema J.M., Ternes T.A.	Water Research	40
492	2015	Characterization and interfacial properties of the surfactant ionic liquid 1-dodecyl-3-methyl imidazolium acetate for enhanced oil recovery	Rodriguez-Palmeiro I., Rodriguez-Escontrela I., Rodriguez O., Arce A., Soto A.	RSC Advances	40
493	2014	Improved concentration of citrus essential oil by solvent extraction with acetate ionic liquids	Lago S., Rodriguez H., Arce A., Soto A.	Fluid Phase Equilibria	40
494	2012	Sodium salt effect on aqueous solutions containing Tween 20 and Triton X-102	Ulloa G., Coutens C., Sanchez M., Sineiro J., Rodriguez A., Deive F.J., Nunez M.J.	Journal of Chemical Thermodynamics	40
495	2011	Comparison of PPCPs removal on a parallel-operated MBR and AS system and evaluation of effluent post-treatment on vertical flow reed beds	Reif R., Besancon A., Le Corre K., Jefferson B., Lema J.M., Omil F.	Water Science and Technology	40
496	2010	Implementing by-product management into the life cycle assessment of the mussel sector	Iribarren D., Moreira M.T., Feijoo G.	Resources, Conservation and Recycling	40

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500	2007	Preparation of AgBr nanoparticles in microemulsions via reaction of AgNO <sub>3</sub> with CTAB counterion	Husein M.M., Rodil E., Vera J.H.	Journal of Nanoparticle Research	40
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504	2019	Towards an environmentally sustainable and healthy Atlantic dietary pattern: Life cycle carbon footprint and nutritional quality	Esteve-Llorens X., Darriba C., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Science of the Total Environment	39
505	2018	Dynamic environmental efficiency assessment for wastewater treatment plants	Lorenzo-Toja Y., Vazquez-Rowe I., Marin-Navarro D., Crujeiras R.M., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	39
506	2017	Cometabolic Enzymatic Transformation of Organic Micropollutants under Methanogenic Conditions	Gonzalez-Gil L., Carballa M., Lema J.M.	Environmental Science and Technology	39
507	2015	Microbial catabolic activities are naturally selected by metabolic energy harvest rate	Gonzalez-Cabaleiro R., Ofiteru I.D., Lema J.M., Rodriguez J.	ISME Journal	39
508	2014	Cradle-to-gate Life Cycle Assessment of forest operations in Europe: Environmental and energy profiles	Gonzalez-Garcia S., Moreira M.T., Dias A.C., Mola-Yudego B.	Journal of Cleaner Production	39
509	2012	Solubility of xylitol and sorbitol in ionic liquids - Experimental data and modeling	Carneiro A.P., Rodriguez O., MacEdo E.A.	Journal of Chemical Thermodynamics	39
510	2012	Inclusion of discard assessment indicators in fisheries life cycle assessment studies. Expanding the use of fishery-specific impact categories	Vazquez-Rowe I., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	39
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512	2010	Water adsorption and desorption isotherms of chestnut and wheat flours	Moreira R., Chenlo F., Torres M.D., Prieto D.M.	Industrial Crops and Products	39
513	2007	Osmotic dehydration of chestnut with sucrose: Mass transfer processes and global kinetics modelling	Chenlo F., Moreira R., Fernandez-Herrero C., Vazquez G.	Journal of Food Engineering	39

514	2005	A thermal treatment to increase the antioxidant capacity of natural phenols: Catechin, resveratrol and grape extract cases	Pinelo M., Rubilar M., Sineiro J., Nunez M.J.	European Food Research and Technology	39
515	2002	Toxic effects exerted on methanogenic, nitrifying and denitrifying bacteria by chemicals used in a milk analysis laboratory	Lopez-Fiuza J., Buys B., Mosquera-Corral A., Omil F., Mendez R.	Enzyme and Microbial Technology	39
516	2001	Individual activity coefficients of chloride ions in aqueous solutions of MgCl <sub>2</sub> , CaCl <sub>2</sub> and BaCl <sub>2</sub> at 298.2 K	Rodil E., Vera J.H.	Fluid Phase Equilibria	39
517	1996	Absorption of CO <sub>2</sub> by water and surfactant solutions in the presence of induced marangoni effect	Vazquez G., Antorrena G., Navaza J.M., Santos V.	Chemical Engineering Science	39
518	2015	Cradle-to-gate life cycle assessment of Eucalyptus globulus short rotation plantations in Chile	Morales M., Aroca G., Rubilar R., Acuna E., Mola-Yudego B., Gonzalez-Garcia S.	Journal of Cleaner Production	38
519	2014	Assessing anaerobic co-digestion of pig manure with agroindustrial wastes: The link between environmental impacts and operational parameters	Rodriguez-Verde I., Regueiro L., Carballa M., Hospido A., Lema J.M.	Science of the Total Environment	38
520	2012	Application of fuzzy logic for the integration of environmental criteria in ecodesign	Herva M., Franco-Uria A., Carrasco E.F., Roca E.	Expert Systems with Applications	38
521	2012	Environmental assessment of frozen common octopus ( <i>Octopus vulgaris</i> ) captured by Spanish fishing vessels in the Mauritanian EEZ	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Marine Policy	38
522	2009	Influence of different pretreatments on anaerobically digested sludge characteristics: Suitability for final disposal	Carballa M., Omil F., Lema J.M.	Water, Air, and Soil Pollution	38
523	2005	Citrus essential oil deterpenation by liquid-liquid extraction	Arce A., Marchiaro A., Martinez-Ageitos J.M., Soto A.	Canadian Journal of Chemical Engineering	38
524	2001	Anaerobic treatment of fibreboard manufacturing wastewaters in a pilot scale hybrid USBF reactor	Fernandez J.M., Omil F., Mendez R., Lema J.M.	Water Research	38
525	2000	Treatment of wastewaters from a formaldehyde-urea adhesives factory	Garrido J.M., Mendez R., Lema J.M.	Water Science and Technology	38
526	1999	Biodegradation of formaldehyde under anaerobic conditions	Omil F., Mendez D., Vidal G., Mendez R., Lema J.M.	Enzyme and Microbial Technology	38
527	1999	Use of a fungal bioreactor as a pretreatment or post-treatment step for continuous decolorisation of dyes	Palma C., Moreira M.T., Mielgo I., Feijoo G., Lema J.M.	Water Science and Technology	38
528	1997	Continuous production of manganese peroxidase by <i>Phanerochaete chrysosporium</i> immobilized on polyurethane foam in a pulsed packed-bed bioreactor	Moreira M.T., Feijoo G., Palma C., Lema J.M.	Biotechnology and Bioengineering	38

529	1995	Anaerobic treatment of eucalyptus fiberboard manufacturing wastewater by a hybrid usbf lab-scale reactor	Fernandez J.M., Mendez R.J., Lema J.M.	Environmental Technology (United Kingdom)	38
530	2018	Enrichment of nitrite-dependent anaerobic methane oxidizing bacteria in a membrane bioreactor	Allegue T., Arias A., Fernandez-Gonzalez N., Omil F., Garrido J.M.	Chemical Engineering Journal	37
531	2016	Characterization and phase behavior of the surfactant ionic liquid tributylmethylphosphonium dodecylsulfate for enhanced oil recovery	Rodriguez-Escontrela I., Rodriguez-Palmeiro I., Rodriguez O., Arce A., Soto A.	Fluid Phase Equilibria	37
532	2016	Assessing the use of nanoimmobilized laccases to remove micropollutants from wastewater	Arca-Ramos A., Ammann E.M., Gasser C.A., Nastold P., Eibes G., Feijoo G., Lema J.M., Moreira M.T., Corvini P.F.-X.	Environmental Science and Pollution Research	37
533	2015	Environmental assessment of farm-scaled anaerobic co-digestion for bioenergy production	Lijo L., Gonzalez-Garcia S., Bacenetti J., Negri M., Fiala M., Feijoo G., Moreira M.T.	Waste Management	37
534	2014	Life cycle assessment of the production of bioactive compounds from Tetraselmis suecica at pilot scale	Perez-Lopez P., Gonzalez-Garcia S., Ulloa R.G., Sineiro J., Feijoo G., Moreira M.T.	Journal of Cleaner Production	37
535	2013	The effect of salts on the liquid-liquid phase equilibria of PEG600 + salt aqueous two-phase systems	Silverio S.C., Rodriguez O., Teixeira J.A., MacEdo E.A.	Journal of Chemical and Engineering Data	37
536	2013	Carbon footprint of a multi-ingredient seafood product from a business-to-business perspective	Vazquez-Rowe I., Villanueva-Rey P., Mallo J., De La Cerda J.J., Moreira M.T., Feijoo G.	Journal of Cleaner Production	37
537	2012	Investigating a high ozone episode in a rural mountain site	Monteiro A., Strunk A., Carvalho A., Tchepel O., Miranda A.I., Borrego C., Saavedra S., Rodriguez A., Souto J., Casares J., Friese E., Elbern H.	Environmental Pollution	37
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539	2005	Sorption isotherms of turnip top leaves and stems in the temperature range from 298 to 328 K	Moreira R., Chenlo F., Vazquez M.J., Camean P.	Journal of Food Engineering	37
540	2005	The environmental impact of mastitis: A case study of dairy herds	Hospido A., Sonesson U.	Science of the Total Environment	37
541	2004	Liquid-liquid equilibria of linalool + ethanol + water, water + ethanol + limonene, and limonene + linalool + water systems	Arce A., Marchiaro A., Soto A.	Journal of Solution Chemistry	37
542	1997	Influence of surfactants on absorption of CO2 in a stirred tank with and without bubbling	Vazquez G., Cancela M.A., Varela R., Alvarez E., Navaza J.M.	Chemical Engineering Journal	37
543	2018	Performance and microbial features of the partial nitrification-anammox process treating fish canning wastewater with variable salt concentrations	Val del Rio A., Pichel A., Fernandez-Gonzalez N., Pedrouso A., Fra-Vazquez A., Morales N., Mendez R., Campos J.L., Mosquera-Corral A.	Journal of Environmental Management	36
544	2017	Coeliacs cannot live by gluten-free bread alone – every once in awhile they need antioxidants	Torres M.D., Arufe S., Chenlo F., Moreira R.	International Journal of Food Science and Technology	36

545	2016	Thermophysical characterization of the mixtures of the ionic liquid 1-ethyl-3-methylimidazolium acetate with 1-propanol or 2-propanol	Castro M.C., Arce A., Soto A., Rodriguez H.	Journal of Chemical and Engineering Data	36
546	2016	Environmental performance of biomass refining into high-added value compounds	Gonzalez-Garcia S., Gullon B., Rivas S., Feijoo G., Moreira M.T.	Journal of Cleaner Production	36
547	2014	Life cycle assessment of European pilchard ( <i>Sardina pilchardus</i> ) consumption. A case study for Galicia (NW Spain)	Vazquez-Rowe I., Villanueva-Rey P., Hospido A., Moreira M.T., Feijoo G.	Science of the Total Environment	36
548	2013	Improving the catalytic performance of laccase using a novel continuous-flow microreactor	Lloret L., Eibes G., Moreira M.T., Feijoo G., Lema J.M., Miyazaki M.	Chemical Engineering Journal	36
549	2013	Enhanced performance of sulfate reducing bacteria based biocathode using stainless steel mesh on activated carbon fabric electrode	Sharma M., Jain P., Varanasi J.L., Lal B., Rodriguez J., Lema J.M., Sarma P.M.	Bioresource Technology	36
550	2010	Essential oil deterpenation by solvent extraction using 1-ethyl-3-methylimidazolium 2-(2-methoxyethoxy) ethylsulfate ionic liquid	Francisco M., Lago S., Soto A., Arce A.	Fluid Phase Equilibria	36
551	2010	Interfacial area and mass transfer in carbon dioxide absorption in TEA aqueous solutions in a bubble column reactor	Rubia M.D.L., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Chemical Engineering and Processing: Process Intensification	36
552	2010	Liquid-liquid equilibria of UCON + (Sodium or Potassium) phosphate salt aqueous two-phase systems at 23 °C	Silverio S.C., Rodriguez O., Teixeira J.A., Macedo E.A.	Journal of Chemical and Engineering Data	36
553	2009	Selection of variables for on-line monitoring, diagnosis, and control of anaerobic digestion processes	Molina F., Castellano M., Garcia C., Roca E., Lema J.M.	Water Science and Technology	36
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555	2009	Physical properties of binary and ternary mixtures of ethyl acetate, ethanol, and 1-octyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide at 298.15 K	Andreatta A.E., Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	36
556	2008	Liquid-liquid equilibria for [C8mim][NTf2] + thiophene + 2,2,4-trimethylpentane or + toluene	Alonso L., Arce A., Francisco M., Soto A.	Journal of Chemical and Engineering Data	36
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558	2005	Mathematical modelling of the drying kinetics of chestnut ( <i>Castanea sativa</i> mill.) influence of the natural shells	Moreira R., Chenlo F., Chaguri L., Vazquez G.	Food and Bioproducts Processing	36
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561	1997	Anaerobic biodegradability and toxicity of wastewaters from chlorine and total chlorine-free bleaching of eucalyptus kraft pulps	Vidal G., Soto M., Field J., Mendez-Pampin R., Lema J.M.	Water Research	36
562	1995	Degradation of high molecular weight compounds of Kraft pulp mill effluents by a combined treatment with fungi and bacteria	Feijoo G., Vidal G., Moreira M.T., Mendez R., Lema J.M.	Biotechnology Letters	36
563	1978	The solution of steady-state chemical engineering optimisation problems using a random-search algorithm	Goulcher R., Casares Long J.J.	Computers and Chemical Engineering	36
564	2019	Organic overloading affects the microbial interactions during anaerobic digestion in sewage sludge reactors	Braz G.H.R., Fernandez-Gonzalez N., Lema J.M., Carballa M.	Chemosphere	35
565	2016	Kinetics of the reversible reaction of struvite crystallisation	Crutchik D., Garrido J.M.	Chemosphere	35
566	2016	Recyclable cross-linked laccase aggregates coupled to magnetic silica microbeads for elimination of pharmaceuticals from municipal wastewater	Arca-Ramos A., Kumar V.V., Eibes G., Moreira M.T., Cabana H.	Environmental Science and Pollution Research	35
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568	2013	Rheology of Gluten-Free Doughs from Blends of Chestnut and Rice Flours	Moreira R., Chenlo F., Torres M.D.	Food and Bioprocess Technology	35
569	2013	Life cycle assessment of potential energy uses for short rotation willow biomass in Sweden	Gonzalez-Garcia S., Mola-Yudego B., Murphy R.J.	International Journal of Life Cycle Assessment	35
570	2012	Continuous operation of a fluidized bed reactor for the removal of estrogens by immobilized laccase on Eupergit supports	Lloret L., Eibes G., Feijoo G., Moreira M.T., Lema J.M.	Journal of Biotechnology	35
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572	2012	Solubility of monosaccharides in ionic liquids - Experimental data and modeling	Carneiro A.P., Rodriguez O., Macedo E.A.	Fluid Phase Equilibria	35
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575	2008	Liquid-liquid equilibria of ([C2mim][EtSO4] + Thiophene + 2,2,4-Trimethylpentane) and ([C2mim][EtSO4] + Thiophene + Toluene): Experimental data and correlation	Alonso L., Arce A., Francisco M., Soto A.	Journal of Solution Chemistry	35
576	2008	Influence of gas flow-induced shear stress on the operation of the Anammox process in a SBR	Arrojo B., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Chemosphere	35
577	2006	Analysis of mass transfer in the precipitation process of calcium carbonate using a gas/liquid reaction	Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Chemical Engineering Journal	35
578	2006	Mass transfer during osmotic dehydration of chestnut using sodium chloride solutions	Chenlo F., Moreira R., Fernandez-Herrero C., Vazquez G.	Journal of Food Engineering	35
579	2005	Removal of pharmaceutically active compounds in nitrifying-denitrifying plants	Suarez S., Ramil M., Omil F., Lema J.M.	Water Science and Technology	35
580	1996	Anaerobic treatment of seafood processing waste waters in an industrial anaerobic pilot plant	Omil F., Mendez R., Lema J.M.	Water SA	35
581	1991	Chemical reactor engineering concepts in design and operation of anaerobic treatment processes	Lema J.M., Mendez R., Iza J., Garcia P., Fernandez-Polanco F.	Water Science and Technology	35
582	2020	Purple phototrophic bacteria for resource recovery: Challenges and opportunities	Capson-Tojo G., Batstone D.J., Grassino M., Vlaeminck S.E., Puyol D., Verstraete W., Kleerebezem R., Oehmen A., Ghimire A., Pikaar I., Lema J.M., Hulsen T.	Biotechnology Advances	34
583	2013	Assessing environmental sustainability of particleboard production process by ecological footprint	Saravia-Cortez A.M., Herva M., Garcia-Dieguez C., Roca E.	Journal of Cleaner Production	34
584	2012	Comparison of the composition of Pinus radiata bark extracts obtained at bench- and pilot-scales	Bocalandro C., Sanhueza V., Gomez-Caravaca A.M., Gonzalez-alvarez J., Fernandez K., Roedel M., Rodriguez-Estrada M.T.	Industrial Crops and Products	34
585	2011	Combining LCT tools for the optimization of an industrial process: Material and energy flow analysis and best available techniques	Rodriguez M.T.T., Andrade L.C., Bugallo P.M.B., Long J.J.C.	Journal of Hazardous Materials	34
586	2011	Effect of sodium chloride, sucrose and chestnut starch on rheological properties of chestnut flour doughs	Moreira R., Chenlo F., Torres M.D.	Food Hydrocolloids	34
587	2011	Environmental assessment of black locust (Robinia pseudoacacia L.)-based ethanol as potential transport fuel	Gonzalez-Garcia S., Gasol C.M., Moreira M.T., Gabarrell X., Pons J.R.I., Feijoo G.	International Journal of Life Cycle Assessment	34
588	2011	Study of the alkyl chain length on laccase stability and enzymatic kinetic with imidazolium ionic liquids	Rodriguez O., Cristovao R.O., Tavares A.P.M., MacEdo E.A.	Applied Biochemistry and Biotechnology	34
589	2009	Oxygen mass transfer to emulsions in a bubble column contactor	Gomez-Diaz D., Gomes N., Teixeira J.A., Belo I.	Chemical Engineering Journal	34

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591	1999	Desorption isotherms of muscatel and aledo grapes, and the influence of pretreatments on muscatel isotherms	Vazquez G., Chenlo F., Moreira R., Carballo L.	Journal of Food Engineering	34
592	1989	Characterization, digestibility and anaerobic treatment of leachates from old and young landfills	Mendez R., Lema J.M., Blazquez R., Pan M., Forjan C.	Water Science and Technology	34
593	2018	Why are organic micropollutants not fully biotransformed? A mechanistic modelling approach to anaerobic systems	Gonzalez-Gil L., Mauricio-Iglesias M., Carballa M., Lema J.M.	Water Research	33
594	2018	Application of a combined fungal and diluted acid pretreatment on olive tree biomass	Martinez-Patino J.C., Lu-Chau T.A., Gullon B., Ruiz E., Romero I., Castro E., Lema J.M.	Industrial Crops and Products	33
595	2018	Influence of biomass acclimation on the performance of a partial nitrification-anammox reactor treating industrial saline effluents	Giustinianovich E.A., Campos J.-L., Roeckel M.D., Estrada A.J., Mosquera-Corral A., Val del Rio A.	Chemosphere	33
596	2014	Enhanced ammonia removal at room temperature by pH controlled partial nitrification and subsequent anaerobic ammonium oxidation	Duran U., Val Del Rio A., Campos J.L., Mosquera-Corral A., Mendez R.	Environmental Technology (United Kingdom)	33
597	2014	Effect of the Extraction Technique and Operational Conditions on the Recovery of Bioactive Compounds from Chestnut ( <i>Castanea sativa</i> ) Bur and Shell	Fernandez-Agullo A., Freire M.S., Antorrena G., Pereira J.A., Gonzalez-Alvarez J.	Separation Science and Technology (Philadelphia)	33
598	2013	Fructose and glucose dissolution in ionic liquids: Solubility and thermodynamic modeling	Carneiro A.P., Rodriguez O., MacEdo E.A.	Industrial and Engineering Chemistry Research	33
599	2012	Eco-innovation of a wooden childhood furniture set: An example of environmental solutions in the wood sector	Gonzalez-Garcia S., Garcia Lozano R., Moreira M.T., Gabarrell X., Rieradevall i Pons J., Feijoo G., Murphy R.J.	Science of the Total Environment	33
600	2010	Density, speed of sound, isentropic compressibility, and excess volume of (monoethanolamine + 2-amino-2-methyl-1-propanol), (monoethanolamine + triethanolamine), and (monoethanolamine + N-methyldiethanolamine) at temperatures from (293.15 to 323.15) K	Alvarez E., Cerdeira F., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	33
601	2009	Effect of temperature on the viscosity of honey	Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.C.	International Journal of Food Properties	33
602	2009	Mass-transfer enhancement or reduction by surfactant presence at a gas-liquid interface	Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Industrial and Engineering Chemistry Research	33



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604	2004	Kinematic viscosity and water activity of aqueous solutions of glycerol and sodium chloride	Chenlo F., Moreira R., Pereira G., Bello B.	European Food Research and Technology	33
605	2003	Physical aging for an epoxy network diglycidyl ether of bisphenol A/m-xylylenediamine	Fraga F., Castro-Diaz C., Rodriguez-Nunez E., Martinez-Ageitos J.M.	Polymer	33
606	1999	Effect of cation and anion of an electrolyte on apparent molar volume, isentropic compressibility and refractive index of glycine in aqueous solutions	Soto A., Arce A., Khoshkbarchi M.K.	Biophysical Chemistry	33
607	1998	Role of organic acids in the manganese-independent biobleaching system of <i>bjerkandera</i> sp. Strain BOS55	Moreira M.T., Feijoo G., Mester T., Mayorga P., Sierra-Alvarez R., Field J.A.	Applied and Environmental Microbiology	33
608	1998	Oxalic acid production by <i>Aspergillus niger</i> . Part I: Influence of sucrose and milk whey as carbon source	Cameselle C., Bohlmann J.T., Nunez M.J., Lema J.M.	Bioprocess Engineering	33
609	1997	Methanogenic degradation of p-cresol in batch and in continuous UASB reactors	Kennes C., Mendez R., Lema J.M.	Water Research	33
610	1997	Molar volumes, molar refractions, and isentropic compressibilities of (ethanol + methanol + 2-methoxy-2-methylpropane) and (ethanol + methanol + 2-methoxy-2-methylbutane) at 298.15 K	Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	33
611	2018	Exploring the production of bio-succinic acid from apple pomace using an environmental approach	Gonzalez-Garcia S., Argiz L., Miguez P., Gullon B.	Chemical Engineering Journal	32
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614	2012	Effect of shortenings on the rheology of gluten-free doughs: Study of chestnut flour with chia flour, olive and sunflower oils	Moreira R., Chenlo F., Torres M.D.	Journal of Texture Studies	32
615	2011	Studies of laccase from <i>Trametes versicolor</i> in aqueous solutions of several methylimidazolium ionic liquids	Dominguez A., Rodriguez O., Tavares A.P.M., Macedo E.A., Asuncion Longo M., Angeles Sanroman M.	Bioresource Technology	32
616	2011	Isobaric vapour-liquid equilibria and physical properties for isopropyl acetate+isopropanol+1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide mixtures	Andreatta A.E., Francisco M., Rodil E., Soto A., Arce A.	Fluid Phase Equilibria	32
617	2011	Drying kinetics of biofilms obtained from chestnut starch and carrageenan with and without Glycerol	Moreira R., Chenlo F., Torres M.D., Silva C., Prieto D.M., Sousa A.M.M., Hilliou L., Goncalves M.P.	Drying Technology	32

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622	2008	Preparation of AgX (X = Cl, I) nanoparticles using ionic liquids	Rodil E., Aldous L., Hardacre C., Lagunas M.C.	Nanotechnology	32
623	2007	Fuzzy-based control of an anaerobic reactor treating wastewaters containing ethanol and carbohydrates	Garcia C., Molina F., Roca E., Lema J.M.	Industrial and Engineering Chemistry Research	32
624	2007	Integrated pollution prevention and control for heavy ceramic industry in Galicia (NW Spain)	Barros M.C., Bello P., Roca E., Casares J.J.	Journal of Hazardous Materials	32
625	2003	Covalent immobilisation of manganese peroxidases (MnP) from <i>Phanerochaete chrysosporium</i> and <i>Bjerkandera</i> sp. BOS55	Mielgo I., Palma C., Guisan J.M., Fernandez-Lafuente R., Moreira M.T., Feijoo G., Lema J.M.	Enzyme and Microbial Technology	32
626	1999	Structures, and reactivities with formaldehyde, of some acetosolv pine lignins	Vazquez G., Freire S., Rodriguez-Bona C., Gonzalez J., Antorrena G.	Journal of Wood Chemistry and Technology	32
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628	1995	Characterization of biomass from a pilot plant digester treating saline wastewater	Omil F., Mendez R.J., Lema J.M.	Journal of Chemical Technology & Biotechnology	32
629	1994	A comparison of two techniques (adsorption and entrapment) for the immobilization of <i>Aspergillus niger</i> in polyurethane foam	Sanroman A., Pintado J., Lema J.M.	Biotechnology Techniques	32
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631	2018	Estimating the environmental impacts of a brewery waste-based biorefinery: Bio-ethanol and xylooligosaccharides joint production case study	Gonzalez-Garcia S., Morales P.C., Gullon B.	Industrial Crops and Products	31
632	2017	Environmental assessment of the entire pork value chain in Catalonia – A strategy to work towards Circular Economy	Noya I., Aldea X., Gonzalez-Garcia S., M. Gasol C., Moreira M.T., Amores M.J., Marin D., Boschmonart-Rives J.	Science of the Total Environment	31

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634	2015	Influence of dissolved oxygen concentration on the start-up of the anammox-based process: ELAN®	Morales N., Val Del Rio A., Vazquez-Padin J.R., Gutierrez R., Fernandez-Gonzalez R., Icaran P., Rogalla F., Campos J.L., Mendez R., Mosquera-Corral A.	Water Science and Technology	31
635	2014	Eco-designing the use phase of products in sustainable manufacturing: The importance of maintenance and communication-to-user strategies sanyé-mengual et al. Eco-designing the use phase	Sanye-Mengual E., Perez-Lopez P., Gonzalez-Garcia S., Lozano R.G., Feijoo G., Moreira M.T., Gabarrell X., Rieradevall J.	Journal of Industrial Ecology	31
636	2014	Modeling the odor generation in WWTP: An integrated approach review	Carrera-Chapela F., Donoso-Bravo A., Souto J.A., Ruiz-Filippi G.	Water, Air, and Soil Pollution	31
637	2013	Carbon dioxide absorption in the ionic liquid 1-ethylpyridinium ethylsulfate and in its mixtures with another ionic liquid	Pinto A.M., Rodriguez H., Arce A., Soto A.	International Journal of Greenhouse Gas Control	31
638	2013	Laccase recovery with aqueous two-phase systems: Enzyme partitioning and stability	Silverio S.C., Rodriguez O., Tavares A.P.M., Teixeira J.A., MacEdo E.A.	Journal of Molecular Catalysis B: Enzymatic	31
639	2013	Integrated environmental permit through Best Available Techniques: Evaluation of the fish and seafood canning industry	Bello Bugallo P.M., Cristobal Andrade L., Magan Iglesias A., Torres Lopez R.	Journal of Cleaner Production	31
640	2013	Influence of the chestnuts drying temperature on the rheological properties of their doughs	Moreira R., Chenlo F., Torres M.D., Rama B.	Food and Bioproducts Processing	31
641	2012	Technological Assessment of Chestnut Flour Doughs Regarding to Doughs from Other Commercial Flours and Formulations	Moreira R., Chenlo F., Torres M.D., Prieto D.M.	Food and Bioprocess Technology	31
642	2012	Multicorrelation models and uptake factors to estimate extractable metal concentrations from soil and metal in plants in pasturelands fertilized with manure	Lopes C., Herva M., Franco-Uria A., Roca E.	Environmental Pollution	31
643	2012	Aerobic granular-type biomass development in a continuous stirred tank reactor	Morales N., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Separation and Purification Technology	31
644	2011	Rheological properties of commercial chestnut flour doughs with different gums	Moreira R., Chenlo F., Torres M.D.	International Journal of Food Science and Technology	31
645	2009	The diffusion of perfume mixtures and the odor performance	Teixeira M.A., Rodriguez O., Mata V.G., Rodrigues A.E.	Chemical Engineering Science	31

646	2008	AG(CH <sub>2</sub> ) in PEG - salt and ucon - Salt aqueous two-phase systems	Silverio S.C., Madeira P.P., Rodriguez O., Teixeira J.A., Macedo E.A.	Journal of Chemical and Engineering Data	31
647	2007	Operation of a two-phase partitioning bioreactor for the oxidation of anthracene by the enzyme manganese peroxidase	Eibes G., Moreira M.T., Feijoo G., Daugulis A.J., Lema J.M.	Chemosphere	31
648	2006	An anaerobic bioreactor allows the efficient degradation of HCH isomers in soil slurry	Quintero J.C., Moreira M.T., Lema J.M., Feijoo G.	Chemosphere	31
649	2002	Curing kinetics of tannin-phenol-formaldehyde adhesives as determined by DSC	Vazquez G., Gonzalez-Alvarez J., Lopez-Suevos F., Freire S., Antorrena G.	Journal of Thermal Analysis and Calorimetry	31
650	2001	Densities, speeds of sound, refractive indices, and the corresponding changes of mixing at 25 °C and atmospheric pressure for systems composed by ethyl acetate, hexane, and acetone	Acosta J., Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	31
651	2000	Determination of interfacial areas in a bubble column by different chemical methods	Vazquez G., Cancela M.A., Riverol C., Alvarez E., Navaza J.M.	Industrial and Engineering Chemistry Research	31
652	2000	Influence of surfactant concentration and chain length on the absorption of CO <sub>2</sub> by aqueous surfactant solutions in the presence and absence of induced Marangoni effect	Vazquez G., Antorrena G., Navaza J.M.	Industrial and Engineering Chemistry Research	31
653	1999	Manganese removal from spiked kaolinitic soil and sludge by electromigration	Ricart M.T., Cameselle C., Lucas T., Lema J.M.	Separation Science and Technology	31
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655	1996	Liquid-Liquid Equilibria of (MTBE or TAME) + Ethanol + Water Mixtures	Arce A., Blanco M., Riveiro R., Vidal I.	Canadian Journal of Chemical Engineering	31
656	2019	Insight into antibiotics removal: Exploring the photocatalytic performance of a Fe <sub>3</sub> O <sub>4</sub> /ZnO nanocomposite in a novel magnetic sequential batch reactor	Fernandez L., Gamallo M., Gonzalez-Gomez M.A., Vazquez-Vazquez C., Rivas J., Pintado M., Moreira M.T.	Journal of Environmental Management	30
657	2018	Pilot-scale ELAN® process applied to treat primary settled urban wastewater at low temperature via partial nitrification-anammox processes	Pedrouso A., Aiartza I., Morales N., Vazquez-Padin J.R., Rogalla F., Campos J.L., Mosquera-Corral A., Val del Rio A.	Separation and Purification Technology	30
658	2018	Yerba mate waste: A sustainable resource of antioxidant compounds	Gullon B., Eibes G., Moreira M.T., Herrera R., Labidi J., Gullon P.	Industrial Crops and Products	30
659	2018	Environmental assessment of biorefinery processes for the valorization of lignocellulosic wastes into oligosaccharides	Gonzalez-Garcia S., Gullon B., Moreira M.T.	Journal of Cleaner Production	30
660	2017	Life Cycle Assessment of pig production: A case study in Galicia	Noya I., Villanueva-Rey P., Gonzalez-Garcia S., Fernandez M.D., Rodriguez M.R., Moreira M.T.	Journal of Cleaner Production	30

661	2016	Carbon and water footprint of pork supply chain in Catalonia: From feed to final products	Noya I., Aldea X., Gasol C.M., Gonzalez-Garcia S., Amores M.J., Colon J., Ponsa S., Roman I., Rubio M.A., Casas E., Moreira M.T., Boschmonart-Rives J.	Journal of Environmental Management	30
662	2014	Implications of full-scale implementation of an anammox-based process as post-treatment of a municipal anaerobic sludge digester operated with co-digestion	Vazquez-Padin J.R., Morales N., Gutierrez R., Fernandez R., Rogalla F., Barrio J.P., Campos J.L., Mosquera-Corral A., Mendez R.	Water Science and Technology	30
663	2014	Fish discards management in selected Spanish and Portuguese métiers: Identification and potential valorisation	Ordóñez-Del Pazo T., Antelo L.T., Franco-Uria A., Pérez-Martin R.I., Sotelo C.G., Alonso A.A.	Trends in Food Science and Technology	30
664	2011	Desorption Isotherms and Net Isotheric Heat of Chestnut Flour and Starch	Chenlo F., Moreira R., Prieto D.M., Torres M.D.	Food and Bioprocess Technology	30
665	2011	Sustainable and safe design of footwear integrating ecological footprint and risk criteria	Herva M., Alvarez A., Roca E.	Journal of Hazardous Materials	30
666	2010	Density, Speed of sound, isentropic compressibility, and excess volume of binary mixtures of 1-amino-2-propanol or 3-amino-1-propanol with 2-amino-2-methyl-1-propanol, diethanolamine, or triethanolamine from (293.15 to 323.15) K	Alvarez E., Cerdeira F., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	30
667	2009	Pilot-scale validation of a new sensor for on-line analysis of volatile fatty acids and alkalinity in anaerobic wastewater treatment plants	Molina F., Ruiz-Filippi G., Garcia C., Lema J.M., Roca E.	Environmental Engineering Science	30
668	2006	Recycling contaminated soil as alternative raw material in cement facilities: Life cycle assessment	Navia R., Rivela B., Lorber K.E., Mendez R.	Resources, Conservation and Recycling	30
669	2003	Effect of veneer side wettability on bonding quality of Eucalyptus globulus plywoods prepared using a tannin-phenol-formaldehyde adhesive	Vazquez G., Gonzalez-Alvarez J., Lopez-Suevos F., Antorrena G.	Bioresource Technology	30
670	2002	Vapor-liquid equilibrium of the ternary system ethyl acetate + hexane + acetone at 101.32 kPa	Acosta J., Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Journal of Chemical and Engineering Data	30
671	1999	Measurements and modelling of the solubility of a mixture of two amino acids in aqueous solutions	Soto A., Arce A., Khoshkbarchi M.K., Vera J.H.	Fluid Phase Equilibria	30
672	1994	Liquid-liquid equilibria of water + methanol + (MTBE or TAME) mixtures	Arce A., Blanco A., Blanco M., Soto A., Vidal I.	The Canadian Journal of Chemical Engineering	30
673	1992	Pilot plant studies on the anaerobic treatment of different wastewaters from a fish-canning factory	Mendez R., Omil F., Soto M., Lema J.M.	Water Science and Technology	30
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675	2018	Optimization of alkaline pretreatment for the co-production of biopolymer lignin and bioethanol from chestnut shells following a biorefinery approach	Morales A., Gullon B., Davila I., Eibes G., Labidi J., Gullon P.	Industrial Crops and Products	29
676	2017	Assessing the feasibility of two hybrid MBR systems using PAC for removing macro and micropollutants	Alvarino T., Torregrosa N., Omil F., Lema J.M., Suarez S.	Journal of Environmental Management	29
677	2017	Nitrite oxidizing bacteria suppression based on in-situ free nitrous acid production at mainstream conditions	Pedrouso A., Val del Rio A., Morales N., Vazquez-Padin J.R., Campos J.L., Mendez R., Mosquera-Corral A.	Separation and Purification Technology	29
678	2017	Efficiency of hydrophobic phosphonium ionic liquids and DMSO as recyclable cellulose dissolution and regeneration media	Holding A.J., Parviainen A., Kilpelainen I., Soto A., King A.W.T., Rodriguez H.	RSC Advances	29
679	2015	Effect of the extraction technique on the recovery of bioactive compounds from eucalyptus ( <i>Eucalyptus globulus</i> ) wood industrial wastes	Fernandez-Agullo A., Freire M.S., Gonzalez-Alvarez J.	Industrial Crops and Products	29
680	2014	Solvent screening methodology for in situ ABE extractive fermentation	Gonzalez-Penas H., Lu-Chau T.A., Moreira M.T., Lema J.M.	Applied Microbiology and Biotechnology	29
681	2013	Economic valuation of environmental benefits of removing pharmaceutical and personal care products from WWTP effluents by ozonation	Molinos-Senante M., Reif R., Garrido-Baserba M., Hernandez-Sancho F., Omil F., Poch M., Sala-Garrido R.	Science of the Total Environment	29
682	2013	Life cycle assessment (LCA) of wood-based building materials	Sathre R., Gonzalez-Garcia S.	Eco-Efficient Construction and Building Materials: Life Cycle Assessment (LCA), Eco-Labeling and Case Studies	29
683	2012	(Liquid + liquid) equilibria of polymer-salt aqueous two-phase systems for laccase partitioning: UCON 50-HB-5100 with potassium citrate and (sodium or potassium) formate at 23 °c	Lladosa E., Silverio S.C., Rodriguez O., Teixeira J.A., MacEdo E.A.	Journal of Chemical Thermodynamics	29
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686	2011	Scalping of four aroma compounds by one common (LDPE) and one biosourced (PLA) packaging materials during high pressure treatments	Mauricio-Iglesias M., Peyron S., Chalier P., Gontard N.	Journal of Food Engineering	29
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689	2007	Treatment of winery wastewaters in a membrane submerged bioreactor	Artiga P., Carballa M., Garrido J.M., Mendez R.	Water Science and Technology	29
690	2004	Rheology of food stabilizers blends	Gomez-Diaz D., Navaza J.M.	Journal of Food Engineering	29
691	2003	Propanediols for separation of citrus oil: Liquid-liquid equilibria of limonene + linalool + (1,2-propanediol or 1,3-propanediol)	Arce A., Marchiaro A., Soto A.	Fluid Phase Equilibria	29
692	1999	Use of cheese whey as a substrate to produce manganese peroxidase by <i>Bjerkandera</i> sp BOS55	Feijoo G., Moreira M.T., Roca E., Lema J.M.	Journal of Industrial Microbiology and Biotechnology	29
693	2018	Electron bifurcation mechanism and homoacetogenesis explain products yields in mixed culture anaerobic fermentations	Regueira A., Gonzalez-Cabaleiro R., Ofiteru I.D., Rodriguez J., Lema J.M.	Water Research	28
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695	2016	CO <sub>2</sub> absorption into N-methyldiethanolamine aqueous-organic solvents	Tamajon F.J., Alvarez E., Cerdeira F., Gomez-Diaz D.	Chemical Engineering Journal	28
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699	2009	Gas absorption in bubble column using a non-Newtonian liquid phase	Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.C., Sanjurjo B.	Chemical Engineering Journal	28
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706	1994	Simultaneous biodegradation of p-cresol and phenol by the basidiomycete <i>Phanerochaete chrysosporium</i>	Kennes C., Lema J.M.	Journal of Industrial Microbiology	28
707	2020	Cradle-to-gate Life Cycle Assessment of bio-adhesives for the wood panel industry. A comparison with petrochemical alternatives	Arias A., Gonzalez-Garcia S., Gonzalez-Rodriguez S., Feijoo G., Moreira M.T.	Science of the Total Environment	27
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709	2016	Effects of selected pharmaceuticals on nitrogen and phosphorus removal bioprocesses	Katsou E., Alvarino T., Malamis S., Suarez S., Frison N., Omil F., Fatone F.	Chemical Engineering Journal	27
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713	2014	Comparing environmental impacts of different forest management scenarios for maritime pine biomass production in France	Gonzalez-Garcia S., Bonnesoeur V., Pizzi A., Feijoo G., Moreira M.T.	Journal of Cleaner Production	27
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731	2018	An environmental evaluation of food supply chain using life cycle assessment: A case study on gluten free biscuit products	Noya L.I., Vasilaki V., Stojceska V., Gonzalez-Garcia S., Kleynhans C., Tassou S., Moreira M.T., Katsou E.	Journal of Cleaner Production	26
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734	2014	Aqueous two-phase systems for the extraction of phenolic compounds from eucalyptus ( <i>Eucalyptus globulus</i> ) wood industrial wastes	Xavier L., Freire M.S., Vidal-Tato I., Gonzalez-Alvarez J.	Journal of Chemical Technology and Biotechnology	26
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737	2013	The role of consumer purchase and post-purchase decision-making in sustainable seafood consumption. A Spanish case study using carbon footprinting	Vazquez-Rowe I., Villanueva-Rey P., Moreira M.T., Feijoo G.	Food Policy	26
738	2013	MALDI-TOF, HPLC-ESI-TOF and <sup>13</sup> C-NMR characterization of chestnut ( <i>Castanea sativa</i> ) shell tannins for wood adhesives	Vazquez G., Pizzi A., Freire M.S., Santos J., Antorrena G., Gonzalez-Alvarez J.	Wood Science and Technology	26
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748	1999	Xylitol production from wood hydrolyzates by entrapped <i>Debaryomyces hansenii</i> and <i>Candida guilliermondii</i> cells	Dominguez J.M., Cruz J.M., Roca E., Dominguez H., Parajo J.C.	Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology	26
749	1998	Effect of the temperature on the conductivity of sodium bis(2-ethylhexyl)sulfosuccinate + 2,2,4-trimethylpentane + water microemulsions in the presence of ureas and thioureas	Alvarez E., Garcia-Rio L., Leis J.R., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	26
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751	2019	Nitrogen and Phosphorus Recovery From Anaerobically Pretreated Agro-Food Wastes: A Review	Campos J.L., Crutchik D., Franchi O., Pavissich J.P., Belmonte M., Pedrouso A., Mosquera-Corral A., Val del Rio A.	Frontiers in Sustainable Food Systems	25
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755	2017	Non-ideal behavior of ionic liquid mixtures to enhance CO <sub>2</sub> capture	Moya C., Gonzalez-Miquel M., Rodriguez F., Soto A., Rodriguez H., Palomar J.	Fluid Phase Equilibria	25
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760	2017	Environmentally friendly wood adhesives based on chestnut ( <i>Castanea sativa</i> ) shell tannins	Santos J., Antorrena G., Freire M.S., Pizzi A., Gonzalez-Alvarez J.	European Journal of Wood and Wood Products	25

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763	2014	Life cycle inventory analysis of granite production from cradle to gate	Mendoza J.-M.F., Fedec M., Feijoo G., Josa A., Gabarrell X., Rieradevall J.	International Journal of Life Cycle Assessment	25
764	2014	Inhibition of biomass activity in the via nitrite nitrogen removal processes by veterinary pharmaceuticals	Alvarino T., Katsou E., Malamis S., Suarez S., Omil F., Fatone F.	Bioresource Technology	25
765	2013	Cradle-to-gate life cycle inventory and environmental performance of Douglas-fir roundwood production in Germany	Gonzalez-Garcia S., Krowas I., Becker G., Feijoo G., Moreira M.T.	Journal of Cleaner Production	25
766	2010	Development of a methodology to assess the footprint of wastes	Herva M., Hernando R., Carrasco E.F., Roca E.	Journal of Hazardous Materials	25
767	2010	Effect of surfactant nature upon absorption in a bubble column	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Chemical Engineering Science	25
768	2010	Role of electrostatic and hydrophobic forces in the interaction of ionic dyes with charged micelles	Freire S., Bordello J., Granadero D., Al-Soufi W., Novo M.	Photochemical and Photobiological Sciences	25
769	2008	Viscosities and volumetric properties of binary and ternary mixtures of tris(2-hydroxyethyl) methylammonium methylsulfate + water + ethanol at 298.15 K	Arce A., Soto A., Ortega J., Sabater G.	Journal of Chemical and Engineering Data	25
770	2008	Screening of white rot fungal species for their capacity to degrade lindane and other isomers of hexachlorocyclohexane (HCH)	Quintero J.C., Moreira M.T., Feijoo G., Lema J.M.	Ciencia e Investigacion Agraria	25
771	2006	A hydrogen-based variable-gain controller for anaerobic digestion processes	Rodriguez J., Ruiz G., Molina F., Roca E., Lema J.M.	Water Science and Technology	25
772	2006	Alumina as heterogeneous catalyst for the regioselective epoxidation of terpenic diolefins with hydrogen peroxide	Uguina M.A., Delgado J.A., Rodriguez A., Carretero J., Gomez-Diaz D.	Journal of Molecular Catalysis A: Chemical	25
773	2004	Facile reduction of arsenate in methanogenic sludge	Field J.A., Sierra-Alvarez R., Cortinas I., Feijoo G., Moreira M.T., Kopplin M., Gandolfi A.J.	Biodegradation	25
774	2002	Liquid-liquid equilibria of limonene + linalool + diethylene glycol system at different temperatures	Arce A., Marchiaro A., Rodriguez O., Soto A.	Chemical Engineering Journal	25
775	1999	Design of a combined mixing rule for the prediction of vapor-liquid equilibria using neural networks	Alvarez E., Riverol C., Correa J.M., Navaza J.M.	Industrial and Engineering Chemistry Research	25
776	1997	Interactions of DL-serine and L-serine with NaCl and KCl in aqueous solutions	Khoshkbarchi M.K., Soto-Campos A.M., Vera J.H.	Journal of Solution Chemistry	25

777	1996	Viscosity of binary and ternary aqueous systems of NaH <sub>2</sub> PO <sub>4</sub> , Na <sub>2</sub> HPO <sub>4</sub> , Na <sub>3</sub> PO <sub>4</sub> , KH <sub>2</sub> PO <sub>4</sub> , K <sub>2</sub> HPO <sub>4</sub> , and K <sub>3</sub> PO <sub>4</sub>	Chenlo F., Moreira R., Pereira G., Vazquez M.J.	Journal of Chemical and Engineering Data	25
778	2020	Polyhydroxyalkanoates (PHAs) production: A feasible economic option for the treatment of sewage sludge in municipal wastewater treatment plants?	Crutchik D., Franchi O., Caminos L., Jeison D., Belmonte M., Pedrouso A., Val del Rio A., Mosquera-Corral A., Campos J.L.	Water (Switzerland)	24
779	2018	Integrating uncertainties to the combined environmental and economic assessment of algal biorefineries: A Monte Carlo approach	Perez-Lopez P., Montazeri M., Feijoo G., Moreira M.T., Eckelman M.J.	Science of the Total Environment	24
780	2015	Potentiality of a ceramic membrane reactor for the laccase-catalyzed removal of bisphenol A from secondary effluents	Arca-Ramos A., Eibes G., Feijoo G., Lema J.M., Moreira M.T.	Applied Microbiology and Biotechnology	24
781	2013	Stability of aerobic granular biomass treating the effluent from a seafood industry	Val Del Rio A., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	International Journal of Environmental Research	24
782	2012	Surfactant-assisted two phase partitioning bioreactors for laccase-catalyzed degradation of anthracene	Arca-Ramos A., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Process Biochemistry	24
783	2012	Eco-innovation of a wooden based modular social playground: Application of LCA and DfE methodologies	Gonzalez-Garcia S., Garcia Lozano R., Buyo P., Pascual R.C., Gabarrell X., Rieradevall I Pons J., Moreira M.T., Feijoo G.	Journal of Cleaner Production	24
784	2004	Liquid-liquid equilibria for butyl tert-butyl ether + (methanol or ethanol) + water at several temperatures	Arce A., Rodriguez O., Soto A.	Fluid Phase Equilibria	24
785	2003	Viscosities of ternary aqueous solutions with glucose and sodium chloride employed in osmotic dehydration operation	Moreira R., Chenlo F., Pereira G.	Journal of Food Engineering	24
786	2003	The activity of ions: Analysis of the theory and data for aqueous solutions of MgBr <sub>2</sub> , CaBr <sub>2</sub> and BaBr <sub>2</sub> at 298.2 K	Rodil E., Vera J.H.	Fluid Phase Equilibria	24
787	2003	Surface tensions, densities and refractive indexes of mixtures of dibutyl ether and 1-alkanol at T = 298.15 K	Rilo E., Freire S., Segade L., Cabeza O., Franjo C., Jimenez E.	Journal of Chemical Thermodynamics	24
788	2001	A comparison of operational Lagrangian particle and adaptive puff models for plume dispersion forecasting	Souto M.J., Souto J.A., Perez-Munuzuri V., Casares J.J., Bermudez J.L.	Atmospheric Environment	24
789	2000	Development and application of a denitrification test based on gas production	Buyo B.R., Mosquera-Corral A., Sanchez M., Mendez R.	Water Science and Technology	24
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794	1995	Production of lignin peroxidase by Phanerochaete chrysosporium in a packed bed bioreactor operated in semi-continuous mode	Feijoo G., Dosoretz C., Lema J.M.	Journal of Biotechnology	24
795	1994	Degradation of major compounds of creosotes (PAH and phenols) by Phanerochaete chrysosporium	Kennes C., Lema J.M.	Biotechnology Letters	24
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799	2018	Environmental Fate of Petroleum Hydrocarbons in Soil: Review of Multiphase Transport, Mass Transfer, and Natural Attenuation Processes	BALSEIRO-ROMERO M., MONTERROSO C., CASARES J.J.	Pedosphere	23
800	2018	Microwave hydrodiffusion and gravity (MHG) processing of Laminaria ochroleuca brown seaweed	Lopez-Hortas L., Gannon L., Moreira R., Chenlo F., Dominguez H., Torres M.D.	Journal of Cleaner Production	23
801	2018	A systematic methodology for the robust quantification of energy efficiency at wastewater treatment plants featuring Data Envelopment Analysis	Longo S., Hospido A., Lema J.M., Mauricio-Iglesias M.	Water Research	23
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806	2015	Measurement and PC-SAFT modelling of three-phase behaviour	Rodriguez-Palmeiro I., Rodriguez O., Soto A., Held C.	Physical Chemistry Chemical Physics	23
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810	2011	Estimating global discards and their potential reduction for the Galician fishing fleet (NW Spain)	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Marine Policy	23
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814	2010	Assessing relationships among life-cycle environmental impacts with dimension reduction techniques	Gutierrez E., Lozano S., Moreira M.T., Feijoo G.	Journal of Environmental Management	23
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819	2007	Selection of variables using factorial discriminant analysis for the state identification of an anaerobic UASB-UAF hybrid pilot plant, fed with winery effluents	Castellano M., Ruiz-Filippi G., Gonzalez W., Roca E., Lema J.M.	Water Science and Technology	23

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821	2005	A membrane coupled to a sequencing batch reactor for water reuse and removal of coliform bacteria	Arrojo B., Mosquera-Corra A., Garrido J.M., Mendez R., Ficara E., Malpei F.	Desalination	23
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823	2005	Environmental analysis of beer production	Hospido A., Moreira M.T., Feijoo G.	International Journal of Agricultural Resources, Governance and Ecology	23
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825	1997	Activity coefficients of the electrolyte and the amino acid in water + NaNO <sub>3</sub> + glycine and water + NaCl + DL-methionine systems at 298.15 K	Soto-Campos A.M., Khoshkbarchi M.K., Vera J.H.	Biophysical Chemistry	23
826	1997	Interaction of DL-threonine with NaCl and NaNO <sub>3</sub> in aqueous solutions: e.m.f. measurements with ion-selective electrodes	Soto-Campos A.M., Khoshkbarchi M.K., Vera J.H.	Journal of Chemical Thermodynamics	23
827	2020	Life cycle environmental impacts of sewage sludge treatment methods for resource recovery considering ecotoxicity of heavy metals and pharmaceutical and personal care products	Tarpani R.R.Z., Alfonsin C., Hospido A., Azapagic A.	Journal of Environmental Management	22
828	2020	Addressing challenges and opportunities of the European seafood sector under a circular economy framework	Ruiz-Salmon I., Margallo M., Laso J., Villanueva-Rey P., Marino D., Quinteiro P., Dias A.C., Nunes M.L., Marques A., Feijoo G., Moreira M.T., Loubet P., Sonnemann G., Morse A., Cooney R., Clifford E., Rowan N., Mendez-Paz D., Iglesias-Parga X., Anglada C., Martin J.-C., Irabien A., Aldaco R.	Current Opinion in Environmental Science and Health	22
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833	2018	What happens with organic micropollutants during UV disinfection in WWTPs? A global perspective from laboratory to full-scale	Paredes L., Omil F., Lema J.M., Carballa M.	Journal of Hazardous Materials	22
834	2016	Microbiome response to controlled shifts in ammonium and LCFA levels in co-digestion systems	Regueiro L., Carballa M., Lema J.M.	Journal of Biotechnology	22
835	2013	Life-cycle assessment of typical Portuguese cork oak woodlands	Gonzalez-Garcia S., Dias A.C., Arroja L.	Science of the Total Environment	22
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839	2010	Biodegradability of kraft mill TCF biobleaching effluents: Application of enzymatic laccase-mediator system	Monje P.G., Gonzalez-Garcia S., Moldes D., Vidal T., Romero J., Moreira M.T., Feijoo G.	Water Research	22
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841	2009	Granular biomass capable of partial nitrification and anammox (Water Science and Technology 58(5) 1113-1120)	Vlaeminck S.E., Cloetens L.F.F., De Clippeleir H., Carballa M., Verstraete W.	Water Science and Technology	22
842	2009	Activated sludge versus aerated lagoon treatment of kraft mill effluents containing $\beta$ -sitosterol and stigmasterol	Xavier C.R., Mosquera-Corral A., Becerra J., Hernandez V., Vidal G.	Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering	22
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844	2000	Characterization of Pinus pinaster bark and its alkaline extracts by diffuse reflectance Fourier transform infrared (DRIFT) spectroscopy	Vazquez G., Freire S., Gonzalez J., Antorrena G.	Holz als Roh - und Werkstoff	22
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849	2019	Green approaches for the extraction of antioxidants from eucalyptus leaves	Gullon B., Muniz-Mouro A., Lu-Chau T.A., Moreira M.T., Lema J.M., Eibes G.	Industrial Crops and Products	21
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851	2019	Does the feeding strategy enhance the aerobic granular sludge stability treating saline effluents?	Carrera P., Campo R., Mendez R., Di Bella G., Campos J.L., Mosquera-Corral A., Val del Rio A.	Chemosphere	21
852	2019	Comparative study on pilots between ANAMMOX favored conditions in a partially saturated vertical flow constructed wetland and a hybrid system for rural wastewater treatment	Kraiem K., Kallali H., Wahab M.A., Fra-vazquez A., Mosquera-Corral A., Jedidi N.	Science of the Total Environment	21
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856	2017	Granular biomass floatation: A simple kinetic/stoichiometric explanation	Campos J.L., Val del Rio A., Pedrouso A., Raux P., Giustinianovich E.A., Mosquera-Corral A.	Chemical Engineering Journal	21
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859	2016	The potential of the innovative SeMPAC process for enhancing the removal of recalcitrant organic micropollutants	Alvarino T., Komesli O., Suarez S., Lema J.M., Omil F.	Journal of Hazardous Materials	21
860	2016	Water sorption isotherms and air drying kinetics modelling of the brown seaweed <i>Bifurcaria bifurcata</i>	Moreira R., Chenlo F., Sineiro J., Sanchez M., Arufe S.	Journal of Applied Phycology	21

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862	2015	Phase behavior of the surfactant ionic liquid trihexyltetradecylphosphonium bis(2,4,4-trimethylpentyl)phosphinate with water and dodecane	Rodriguez-Escontrela I., Rodriguez-Palmeiro I., Rodriguez O., Arce A., Soto A.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	21
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864	2013	Irrigation mix: How to include water sources when assessing freshwater consumption impacts associated to crops	Hospido A., Nunez M., Anton A.	International Journal of Life Cycle Assessment	21
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880	2018	Assessing water footprint in a wine appellation: A case study for Ribeiro in Galicia, Spain	Villanueva-Rey P., Quinteiro P., Vazquez-Rowe I., Rafael S., Arroja L., Moreira M.T., Feijoo G., Dias A.C.	Journal of Cleaner Production	20
881	2018	Effect of brown seaweed powder on physical and textural properties of wheat bread	Arufe S., Della Valle G., Chiron H., Chenlo F., Sineiro J., Moreira R.	European Food Research and Technology	20
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884	2014	2-(Methylamino)ethanol for CO <sub>2</sub> absorption in a bubble reactor	Folgueira I., Teijido I., Garcia-Abuin A., Gomez-Diaz D., Rumbo A.	Energy and Fuels	20
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886	2011	Environmental assessment of dehydrated alfalfa production in Spain	Gallego A., Hospido A., Moreira M.T., Feijoo G.	Resources, Conservation and Recycling	20

887	2011	Addition of ammonia and/or oxygen to an ionic liquid for delignification of miscanthus	Rodriguez H., Padmanabhan S., Poon G., Prausnitz J.M.	Bioresource Technology	20
888	2004	Phase stability of the system limonene + linalool + 2-aminoethanol	Arce A., Marchiaro A., Soto A.	Fluid Phase Equilibria	20
889	2003	Semipilot-scale bleaching of kraft pulp with manganese peroxide	Moreira M.T., Feijoo G., Canaval J., Lema J.M.	Wood Science and Technology	20
890	2003	[Agroindustrial residues as a source of antioxidants, Residuos agroindustriales como fuente de antioxidantes]	Rubilar M., Pinelo M., Franco D., Sineiro J., Nunez M.J.	Afinidad	20
891	2000	Manganese peroxidase production by Bjerkandera sp. BOS55: 1. Regulation of enzymatic production	Moreira M.T., Feijoo G., Lema J.M.	Bioprocess Engineering	20
892	2000	Density, refractive index, and speed of sound for 2-ethoxy-2-methylbutane + ethanol + water at 298.15 K	Arce A., Arce Jr. A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	20
893	1999	Determination and correlation of liquid-liquid equilibrium data for the quaternary system 1-octanol + 2-methoxy-2-methylbutane 4- Water + methanol at 25°C	Arce A., Blanco M., Soto A.	Fluid Phase Equilibria	20
894	1998	Nitrification of waste waters from fish-meal factories	Garrido J.M., Guerrero L., Mendez R., Lema J.M.	Water SA	20
895	1997	Leaching of kaolin iron-oxides with organic acids	Cameselle C., Nunez Ma.J., Lema J.M.	Journal of Chemical Technology and Biotechnology	20
896	1997	Nitrous oxide production by nitrifying biofilms in a biofilm airlift suspension reactor	Garrido J.M., Campos J.L., Mendez R., Lema J.M.	Water Science and Technology	20
897	1997	Manganese is not required for biobleaching of oxygen-delignified kraft pulp by the white rot fungus Bjerkandera sp. Strain BOS55	Moreira M.T., Feijoo G., Sierra-Alvarez R., Lema J., Field J.A.	Applied and Environmental Microbiology	20
898	2020	Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants	Carneiro R.B., Gonzalez-Gil L., Londono Y.A., Zaiat M., Carballa M., Lema J.M.	Journal of Hazardous Materials	19
899	2019	Performance of partial nitrification-anammox processes at mainstream conditions in an IFAS system	Pedrouso A., Trela J., Val del Rio A., Mosquera-Corral A., Plaza E.	Journal of Environmental Management	19
900	2018	Life cycle assessment of management alternatives for sludge from sewage treatment plants in Chile: does advanced anaerobic digestion improve environmental performance compared to current practices?	Cartes J., Neumann P., Hospido A., Vidal G.	Journal of Material Cycles and Waste Management	19
901	2017	Photocatalytic degradation of methyl orange, methylene blue and rhodamine B with AgCl nanocatalyst synthesised from its bulk material in the ionic liquid [P6 6 6 14]Cl	Rodriguez-Cabo B., Rodriguez-Palmeiro I., Corchero R., Rodil R., Rodil E., Arce A., Soto A.	Water Science and Technology	19

902	2017	Rice fertilised with urban sewage sludge and possible mitigation strategies: an environmental assessment	Fusi A., Gonzalez-Garcia S., Moreira M.T., Fiala M., Bacenetti J.	Journal of Cleaner Production	19
903	2016	Denitrification coupled with methane oxidation in a membrane bioreactor after methanogenic pre-treatment of wastewater	Sanchez A., Rodriguez-Hernandez L., Buntner D., Esteban-Garcia A.L., Tejero I., Garrido J.M.	Journal of Chemical Technology and Biotechnology	19
904	2016	Environmental performance of sorghum, barley and oat silage production for livestock feed using life cycle assessment	Gonzalez-Garcia S., Baucells F., Feijoo G., Moreira M.T.	Resources, Conservation and Recycling	19
905	2016	Environmental sustainability of bark valorisation into biofoam and syngas	Gonzalez-Garcia S., Lacoste C., Aicher T., Feijoo G., Lijo L., Moreira M.T.	Journal of Cleaner Production	19
906	2014	New processes for amine regeneration	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Fuel	19
907	2014	Environmental evaluation of eicosapentaenoic acid production by <i>Phaeodactylum tricornutum</i>	Perez-Lopez P., Gonzalez-Garcia S., Allewaert C., Verween A., Murray P., Feijoo G., Moreira M.T.	Science of the Total Environment	19
908	2013	Bioencapsulated probiotics increased survival, growth and improved gut flora of turbot ( <i>Psetta maxima</i> ) larvae	Daga P., Feijoo G., Moreira M.T., Costas D., Villanueva A.G., Lema J.M.	Aquaculture International	19
909	2012	Effect of Mg, Si, and Sr on growth and antioxidant activity of the marine microalga <i>Tetraselmis suecica</i>	Ulloa G., Otero A., Sanchez M., Sineiro J., Nunez M.J., Fabregas J.	Journal of Applied Phycology	19
910	2012	Extraction of antioxidants from forestry biomass: Kinetics and optimization of extraction conditions	Piwowska N., Gonzalez-Alvarez J.	Biomass and Bioenergy	19
911	2012	Environmental assessment and improvement alternatives of a ventilated wooden wall from LCA and DfE perspective	Gonzalez-Garcia S., Lozano R.G., Estevez J.C., Pascual R.C., Moreira M.T., Gabarrell X., Pons J.R., Feijoo G.	International Journal of Life Cycle Assessment	19
912	2012	Successful hydraulic strategies to start up OLAND sequencing batch reactors at lab scale	Schaubroeck T., Bagchi S., De Clippeleir H., Carballa M., Verstraete W., Vlaeminck S.E.	Microbial Biotechnology	19
913	2011	Effect of tween 80 on bubble size and mass transfer in a bubble contactor	Belo I., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Jose M., Vidal-Tato I.	Chemical Engineering and Technology	19
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915	2010	Greenhouse gases emissions and energy use of wheat grain-based bioethanol fuel blends	Scacchi C.C.O., Gonzalez-Garcia S., Caserini S., Rigamonti L.	Science of the Total Environment	19
916	2010	Effect of high-pressure/temperature (HP/T) treatments of in-package food on additive migration from conventional and bio-sourced materials	Mauricio-Iglesias M., Jansana S., Peyron S., Gontard N., Guillard V.	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment	19
917	2010	Isobaric vapor-liquid equilibria at 101.32 kPa and densities, speeds of sound, and refractive indices at 298.15 K for MTBE or DIPE or TAME + 1-propanol binary systems	Gomez-Marigliano A.C., Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	19

918	2010	Influence of temperature and composition upon density, viscosity, speed of sound, and refractive index of aqueous solutions of 1-ethyl-2-pyrrolidinone	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	Journal of Chemical and Engineering Data	19
919	2009	An interlaboratory study as useful tool for proficiency testing of chemical oxygen demand measurements using solid substrates and liquid samples with high suspended solid content	Raposo F., de la Rubia M.A., Borja R., Alaiz M., Beltran J., Cavinato C., Clinckspoor M., Demirer G., Diamadopoulos E., Helmreich B., Jenicek P., Marti N., Mendez R., Noguero J., Pereira F., Picard S., Torrijos M.	Talanta	19
920	2009	Antioxidant power, bacteriostatic activity, and characterization of white grape pomace extracts by HPLC-ESI-MS	Sanchez M., Franco D., Sineiro J., Magarinos B., Nunez M.J.	European Food Research and Technology	19
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922	2008	Modeling the potential influence of particle deposition on the accumulation of organic contaminants by submerged aquatic vegetation	Armitage J.M., Franco A., Gomez S., Cousins I.T.	Environmental Science and Technology	19
923	2007	Dynamic modeling of an enzymatic membrane reactor for the treatment of xenobiotic compounds	Lopez C., Moreira M.T., Feijoo G., Lema J.M.	Biotechnology and Bioengineering	19
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925	2004	Surface behavior of aqueous solutions of pyrrolidine and piperidine	Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	19
926	2003	Combined system for biological removal of nitrogen and carbon from a fish cannery wastewater	Mosquera-Corral A., Campos J.L., Sanchez M., Mendez R., Lema J.M.	Journal of Environmental Engineering	19
927	2002	Rheology of tannin-added phenol formaldehyde adhesives for plywood	Vazquez G., Gonzalez-Alvarez J., Lopez-Suevos F., Antorrena G.	Holz als Roh - und Werkstoff	19
928	1999	Liquid-liquid equilibria of the systems ethyl acetate + ethanol + water, butyl acetate + ethanol + water, and ethyl acetate + butyl acetate + water	Arce A., Alonso L., Vidal I.	Journal of Chemical Engineering of Japan	19
929	1998	Forecasting and diagnostic analysis of plume transport around a power plant	Souto J.A., Perez-Munuzuri V., Decastro M., Souto M.J., Casares J.J., Lucas T.	Journal of Applied Meteorology	19
930	1998	Ethanol extraction of sunflower oil in a pulsing extractor	Sineiro J., Dominguez H., Nunez M.J., Lema J.M.	JAOCs, Journal of the American Oil Chemists' Society	19
931	1998	Effect of temperature on the conductivity of sodium bis(2-ethylhexyl) sulfosuccinate + 2,2,4-trimethylpentane + water microemulsions. Influence of amines	Alvarez E., Garcia-Rio L., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	19

932	1998	Oxalic acid production by <i>Aspergillus niger</i> . Part II: Optimisation of fermentation with milk whey as carbon source	Bohlmann J.T., Cameselle C., Nunez M.J., Lema J.M.	Bioprocess Engineering	19
933	1995	Isobaric Vapor-Liquid Equilibria of Methanol + Hexyl Acetate and Ethanol + Hexyl Acetate	Arce A., Blanco A., Martinez-Ageitos J., Soto A.	Journal of Chemical and Engineering Data	19
934	1993	Excess volumes and refractions and liquid-liquid equilibria of the ternary system water + ethanol + hexyl acetate	Arce A., Blanco A., Soto A., Souza P., Vidal I.	Fluid Phase Equilibria	19
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936	2020	Metabolic modeling for predicting VFA production from protein-rich substrates by mixed-culture fermentation	Regueira A., Lema J.M., Carballa M., Mauricio-Iglesias M.	Biotechnology and Bioengineering	18
937	2018	Comparative evaluation of lignocellulosic biorefinery scenarios under a life-cycle assessment approach	Bello S., Rios C., Feijoo G., Moreira M.T.	Biofuels, Bioproducts and Biorefining	18
938	2017	Determination of the carbon footprint of all Galician production and consumption activities: Lessons learnt and guidelines for policymakers	Roibas L., Loiseau E., Hospido A.	Journal of Environmental Management	18
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942	2015	Control strategy for maximum anaerobic co-digestion performance	Garcia-Gen S., Rodriguez J., Lema J.M.	Water Research	18
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945	2014	Carbon dioxide absorption in triethanolamine aqueous solutions: Hydrodynamics and mass transfer	Lopez A.B., La Rubia M.D., Navaza J.M., Pacheco R., Gomez-Diaz D.	Chemical Engineering and Technology	18
946	2014	Surface tension of binary mixtures of 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids with alcohols	Andreatta A.E., Rodil E., Arce A., Soto A.	Journal of Solution Chemistry	18



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948	2013	A novel control strategy for enhancing biological N-removal in a granular sequencing batch reactor: A model-based study	Isanta E., Figueroa M., Mosquera-Corral A., Campos L., Carrera J., Perez J.	Chemical Engineering Journal	18
949	2013	Comparison of the anaerobic digestion of activated and aerobic granular sludges under brackish conditions	Palmeiro-Sanchez T., Val del Rio A., Mosquera-Corral A., Campos J.L., Mendez R.	Chemical Engineering Journal	18
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963	2004	Fed-batch decolorization of poly R-478 by <i>Trametes versicolor</i>	Moreira M.T., Viacava C., Vidal G.	Brazilian Archives of Biology and Technology	18
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968	1998	Effects of temperature on the conductivity of sodium bis(2-ethylhexyl) sulfosuccinate + 2,2,4-trimethylpentane + water microemulsions. Influence of sodium salts	Alvarez E., Garcia-Rio L., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	18
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971	1994	Alcoholic fermentation of xylose by immobilized <i>Pichia stipitis</i> in a fixed-bed pulsed bioreactor	Sanroman A., Chamy R., Nunez M.J., Lema J.M.	Enzyme and Microbial Technology	18
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974	2018	Comparative environmental assessment of alternative waste management strategies in developing regions: A case study in Kazakhstan	Noya I., Inglezakis V., Gonzalez-Garcia S., Katsou E., Feijoo G., Moreira M.T.	Waste Management and Research	17
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983	2014	Modeling the leachate flow and aggregated emissions from municipal waste landfills under life cycle thinking in the Oceanic region of the Iberian Peninsula	Camba A., Gonzalez-Garcia S., Bala A., Fullana-I-Palmer P., Moreira M.T., Feijoo G.	Journal of Cleaner Production	17
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986	2014	Fine particle size chestnut flour doughs rheology: Influence of additives	Moreira R., Chenlo F., Torres M.D., Rama B.	Journal of Food Engineering	17
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994	2011	Kinetics of carbon dioxide chemical absorption into cyclic amines solutions	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	AIChE Journal	17
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1007	2001	Population dynamics of a continuous fermentation of recombinant <i>Saccharomyces cerevisiae</i> using flow cytometry	Lu Chau T., Guillan A., Roca E., Nunez M.J., Lema J.M.	Biotechnology Progress	17
1008	2000	Manganese peroxidase production by <i>Bjerkandera</i> sp. BOS55: 2. Operation in stirred tank reactors	Moreira M.T., Torrado A., Feijoo G., Lema J.M.	Bioprocess Engineering	17
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1012	1998	Quaternary liquid-liquid equilibria of systems with two partially miscible solvent pairs: 1-octanol + 2-methoxy-2-methylpropane + water 4- Ethanol at 25°C	Arce A., Blanco M., Soto A.	Fluid Phase Equilibria	17
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1017	1995	Density, Viscosity, and Surface Tension of Aqueous Solutions of Sodium Sulfite and Sodium Sulfite + Sucrose from 25 to 40 °C	Vazquez G., Alvarez E., Cancela A., Navaza J.M.	Journal of Chemical and Engineering Data	17
1018	1995	Leaching of iron from kaolins by a spent fermentation liquor: Influence of temperature, pH, agitation and citric acid concentration	Cameselle C., Jose Nunez M., Lema J.M., Pais J.	Journal of Industrial Microbiology	17
1019	1992	Properties of phenolic-tannin adhesives from pinus pinaster bark extracts as related to bond quality in eucalyptus plywoods	Vazquez G., Antorrena G., Francisco J.L., Gonzalez J.	Holz als Roh- und Werkstoff	17
1020	2020	Production of flavonol quercetin and fructooligosaccharides from onion ( <i>Allium cepa</i> L.) waste: An environmental life cycle approach	Santiago B., Arias Calvo A., Gullon B., Feijoo G., Moreira M.T., Gonzalez-Garcia S.	Chemical Engineering Journal	16

1021	2019	Improved Reactivity of Cellulose via Its Crystallinity Reduction by Nondissolving Pretreatment with an Ionic Liquid	Pena C.A., Soto A., King A.W.T., Rodriguez H.	ACS Sustainable Chemistry and Engineering	16
1022	2019	Reversibility of enzymatic reactions might limit biotransformation of organic micropollutants	Gonzalez-Gil L., Carballa M., Corvini P.F.-X., Lema J.M.	Science of the Total Environment	16
1023	2017	Enhancement of struvite pellets crystallization in a full-scale plant using an industrial grade magnesium product	Crutchik D., Morales N., Vazquez-Padin J.R., Garrido J.M.	Water Science and Technology	16
1024	2015	Physicochemical characterization of white, yellow and purple maize flours and rheological characterization of their doughs	Moreira R., Chenlo F., Arufe S., Rubinos S.N.	Journal of Food Science and Technology	16
1025	2015	EPS and SMP as stability indicators during the biofiltration of diffuse methane emissions	Hernandez J., Gomez-Cuervo S., Omil F.	Water, Air, and Soil Pollution	16
1026	2015	Aeration control by monitoring the microbiological activity using fuzzy logic diagnosis and control. Application to a complete autotrophic nitrogen removal reactor	Boiocchi R., Mauricio-Iglesias M., Vangsgaard A.K., Gernaey K.V., Sin G.	Journal of Process Control	16
1027	2015	Assessment of morphological changes of Clostridium acetobutylicum by flow cytometry during acetone/butanol/ethanol extractive fermentation	Gonzalez-Penas H., Lu-Chau T.A., Moreira M.T., Lema J.M.	Biotechnology Letters	16
1028	2015	Application of aqueous two phase systems based on polyethylene glycol and sodium citrate for the recovery of phenolic compounds from eucalyptus wood	Xavier L., Freire M.S., Vidal-Tato I., Gonzalez-Alvarez J.	Maderas: Ciencia y Tecnologia	16
1029	2015	A decision support system based on fuzzy reasoning and AHP-FPP for the ecodesign of products: Application to footwear as case study	Garcia-Dieguez C., Herva M., Roca E.	Applied Soft Computing Journal	16
1030	2014	Physicochemical and structural properties of starch isolated from fresh and dried chestnuts and chestnut flour	Torres M.D., Moreira R., Chenlo F., Morel M.H., Barron C.	Food Technology and Biotechnology	16
1031	2013	Prediction model for the odor intensity of fragrance mixtures: A valuable tool for perfumed product design	Teixeira M.A., Rodriguez O., Rodrigues A.E., Selway R.L., Riveroll M., Chieffi A.	Industrial and Engineering Chemistry Research	16
1032	2013	Perfume Engineering	Teixeira M.A., Rodriguez O., Gomes P., Mata V., Rodrigues A.	Perfume Engineering	16
1033	2011	Three stages MBR (methanogenic, aerobic biofilm and membrane filtration) for the treatment of low-strength wastewaters	Buntner D., Sanchez Sanchez A., Garrido J.M.	Water Science and Technology	16
1034	2010	CO2 capture by aqueous solutions of glucosamine in a bubble column reactor	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	Chemical Engineering Journal	16

1035	2009	Density, speed of sound, and isentropic compressibility of triethanolamine (or N-methyldiethanolamine) + water + ethanol solutions from $t = (15 \text{ to } 50) \text{ } ^\circ\text{C}$	García-Abuín A., Gómez-Díaz D., La Rubia M.D., Navaza J.M., Pacheco R.	Journal of Chemical and Engineering Data	16
1036	2009	Fractionation of pine bark extracts: Selecting procyanidins	Jerez M., Sineiro J., Nunez M.J.	European Food Research and Technology	16
1037	2008	Surface tension of aqueous binary mixtures of 2-(methylamino)ethanol and 2-(ethylamino)ethanol and aqueous ternary mixtures of these amines with triethanolamine or N-methyldiethanolamine from (293.15 to 323.15) K	Alvarez E., Gómez-Díaz D., La Rubia M.D., Navaza J.M.	Journal of Chemical and Engineering Data	16
1038	2007	Characterization, management and treatment of wastewater from white wine production	Fernández B., Seijo I., Ruiz-Filippi G., Roca E., Tarenzi I., Lema J.M.	Water Science and Technology	16
1039	2007	Cure kinetic of the epoxy network diglycidyl ether of bisphenol A (BADGE $n=0$ )/amantidine	Fraga F., Soto V.H., Rodríguez-Núñez E., Martínez-Ageitos J.M., Rodríguez V.	Journal of Thermal Analysis and Calorimetry	16
1040	2006	Osmotic dehydration/impregnation kinetics of padrón pepper ( <i>Capsicum annuum</i> L. <i>Longum</i> ) with sodium chloride solutions: Process modelling and colour analysis	Chenlo F., Chaguri L., Santos F., Moreira R.	Food Science and Technology International	16
1041	2001	(Liquid + liquid) equilibria of (tert-amyl ethyl ether + ethanol + water) at several temperatures	Arce A., Martínez-Ageitos J., Rodríguez O., Soto A.	Journal of Chemical Thermodynamics	16
1042	1999	Characterization and comparison of biomasses from single- and multi-fed upflow anaerobic filters	Punal A., Méndez-Pampín R.J., Lema J.M.	Bioresource Technology	16
1043	1999	Extractive distillation of 2-methoxy-2-methylpropane + ethanol using 1-butanol as entrainer: Equilibria and simulation	Arce A., Rodil E., Soto A.	Canadian Journal of Chemical Engineering	16
1044	1997	Water + ethanol + 2-methoxy-2-methylbutane: Properties of mixing at 298.15 K and isobaric vapour-liquid equilibria at 101.32 kPa	Arce A., Martínez-Ageitos J., Mendoza J., Soto A.	Fluid Phase Equilibria	16
1045	1993	Adsorption of CO "SUB 2" in aqueous solutions of various viscosities in the presence of induced turbulence	Vásquez G., Antorrena G., Navaza J.M., Santos V., Rodríguez T.	International Chemical Engineering	16
1046	1991	Anaerobic biodegradability and toxicity of eucalyptus fiber board manufacturing wastewater	Soto M., Field J.A., Lettinga G., Méndez R., Lema J.M.	Journal of Chemical Technology & Biotechnology	16
1047	2021	Life cycle assessment of fish and seafood processed products – A review of methodologies and new challenges	Ruiz-Salmon I., Laso J., Margallo M., Villanueva-Rey P., Rodríguez E., Quinteiro P., Dias A.C., Almeida C., Nunes M.L., Marques A., Cortes A., Moreira M.T., Feijoo G., Loubet P., Sonnemann G., Morse A.P., Cooney R., Clifford E., Regueiro L., Méndez D., Anglada C., Noiret C., Rowan N., Vázquez-Rowe I., Aldaco R.	Science of the Total Environment	15

1048	2020	Dietary recommendations in Spain –affordability and environmental sustainability?	Gonzalez-Garcia S., Green R.F., Scheelbeek P.F., Harris F., Dangour A.D.	Journal of Cleaner Production	15
1049	2018	Environmental and sustainability evaluation of livestock waste management practices in Cyprus	Lijo L., Frison N., Fatone F., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Science of the Total Environment	15
1050	2018	Rheological Effect of Gelatinisation Using Different Temperature-Time Conditions on Potato Starch Dispersions: Mechanical Characterisation of the Obtained Gels	Torres M.D., Chenlo F., Moreira R.	Food and Bioprocess Technology	15
1051	2017	Aqueous two-phase systems with thermo-sensitive EOPO copolymer (UCON) and sulfate salts: Effect of temperature and cation	Rico-Castro X., Gonzalez-Amado M., Soto A., Rodriguez O.	Journal of Chemical Thermodynamics	15
1052	2017	Recovery of phenolic compounds from eucalyptus wood wastes using ethanol-salt-based aqueous two-phase systems	Xavier L., Freire M.S., Vidal-Tato I., Gonzalez-Alvarez J.	Maderas: Ciencia y Tecnologia	15
1053	2016	Effect of nitrogen and/or oxygen concentration on poly(3-hydroxybutyrate) accumulation by Halomonas boliviensis	Garcia-Torreiro M., Lu-Chau T.A., Lema J.M.	Bioprocess and Biosystems Engineering	15
1054	2016	Rheology of $\kappa$ /I-hybrid carrageenan from Mastocarpus stellatus: Critical parameters for the gel formation	Torres M.D., Chenlo F., Moreira R.	International Journal of Biological Macromolecules	15
1055	2016	Systematic design of an optimal control system for the SHARON-Anammox process	Valverde-Perez B., Mauricio-Iglesias M., Sin G.	Journal of Process Control	15
1056	2015	Practical identifiability analysis for the characterization of mass transport properties in migration tests	Martinez-Lopez B., Peyron S., Gontard N., Mauricio-Iglesias M.	Industrial and Engineering Chemistry Research	15
1057	2015	Towards ratiometric sensing of amyloid fibrils in vitro	Freire S., Rodriguez-prieto F., Rodriguez M.C.R., Penedo J.C., Al-Soufi W., Novo M.	Chemistry - A European Journal	15
1058	2014	Influence of the shear stress and salinity on Anammox biofilms formation: Modelling results	Fernandez I., Bravo J.I., Mosquera-Corral A., Pereira A., Campos J.L., Mendez R., Melo L.F.	Bioprocess and Biosystems Engineering	15
1059	2014	Vegetable oils as NAPLs in two phase partitioning bioreactors for the degradation of anthracene by laccase	Arca-Ramos A., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Chemical Engineering Journal	15
1060	2014	Water/oil/[P6,6,6,14][NTf2] phase equilibria	Lago S., Rodriguez-Cabo B., Arce A., Soto A.	Journal of Chemical Thermodynamics	15
1061	2013	Environmental assessment of different biofilters for the treatment of gaseous streams	Alfonsin C., Hernandez J., Omil F., Prado T.J., Gabriel D., Feijoo G., Moreira M.T.	Journal of Environmental Management	15
1062	2013	Enhanced saccharification of biologically pretreated wheat straw for ethanol production	Lopez-Abelairas M., Lu-Chau T.A., Lema J.M.	Applied Biochemistry and Biotechnology	15



1063	2012	Free energy of transfer of a methylene group in biphasic systems of water and ionic liquids [C 3mpip][NTf 2], [C 3mpyrr] [NTf 2], and [C 4mpyrr][NTf 2]	Maia F.M., Rodriguez O., MacEdo E.A.	Industrial and Engineering Chemistry Research	15
1064	2012	Air quality simulations for North America - MM5-CAMx modelling performance for main gaseous pollutants	Ferreira J., Rodriguez A., Monteiro A., Miranda A.I., Dios M., Souto J.A., Yarwood G., Nopmongcol U., Borrego C.	Atmospheric Environment	15
1065	2012	Density, speed of sound, viscosity, refractive index, and excess volume of n -methyl-2-pyrrolidone (NMP) + water + ethanol from T = (293.15 to 323.15) K	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	15
1066	2012	Water Adsorption Isotherms of Chia ( <i>Salvia hispanica</i> L.) Seeds	Moreira R., Chenlo F., Prieto D.M., Torres M.D.	Food and Bioprocess Technology	15
1067	2011	Air drying and colour characteristics of chestnuts pre-submitted to osmotic dehydration with sodium chloride	Moreira R., Chenlo F., Chaguri L., Vazquez G.	Food and Bioproducts Processing	15
1068	2011	Analysis of chestnut cellular tissue during osmotic dehydration, air drying, and rehydration processes	Moreira R., Chenlo F., Chaguri L., Mayor L.	Drying Technology	15
1069	2009	Analysis of variables and modeling of gevuina avellana oil extraction with ethanol near azeotrope conditions	Franco D., Sineiro J., NUNez M.J.	Journal of Food Process Engineering	15
1070	2008	Surface tension of binary mixtures of N-methyl-diethanolamine and triethanolamine with ethanol	Alvarez E., Gomez-Diaz D., Dolores La Rubia M., Navaza J.M.	Journal of Chemical and Engineering Data	15
1071	2007	Evaluation of the rheological behaviour of chestnut ( <i>Castanea sativa</i> mill) flour pastes as function of water content and temperature	Chenlo F., Moreira R., Pereira G., Silva C.	Electronic Journal of Environmental, Agricultural and Food Chemistry	15
1072	2003	Effect of ethylene glycol on the CO <sub>2</sub> /water gas-liquid mass transfer process	Gomez-Diaz D., Navaza J.M.	Chemical Engineering and Technology	15
1073	2000	Effects of various treatments on the drying kinetics of Muscatel grapes	Vazquez G., Chenlo F., Moreira R., Costoyas A.	Drying Technology	15
1074	1999	Anaerobic treatment of wastewater from a fish-canning factory in a full-scale Upflow Anaerobic Sludge Blanket (UASB) reactor	Punal A., Lema J.M.	Water Science and Technology	15
1075	1999	Advanced monitoring of an anaerobic pilot plant treating high strength wastewaters	Punal A., Lorenzo A., Roca E., Hernandez C., Lema J.M.	Water Science and Technology	15
1076	1998	Liquid-liquid equilibria of 1-octanol + 2-methoxy-2-methylpropane + water + methanol at 25°C	Arce A., Blanco M., Soto A.	Journal of Chemical and Engineering Data	15

1077	1994	Optimization of UNIQUAC structural parameters for individual mixtures; application to new experimental liquid-liquid equilibrium data for aqueous solutions of methanol and ethanol with isoamyl acetate	Arce A., Blanco A., Martinez-Ageitos J., Vidal I.	Fluid Phase Equilibria	15
1078	1994	A pulsing device for packed-bed bioreactors: II. Application to alcoholic fermentation	Sanroman A., Roca E., Nunez M.J., Lema J.M.	Bioprocess Engineering	15
1079	1994	A pulsing device for packed-bed bioreactors: I. Hydrodynamic behaviour	Roca E., Sanroman A., Nunez M.J., Lema J.M.	Bioprocess Engineering	15
1080	1990	Kinetic modelling of isomerization and anaerobic degradation of n- and i-butyrate	Aguilar A., Casas C., Lafuente J., Lema J.M.	Journal of Fermentation and Bioengineering	15
1081	1987	Anaerobic treatment of landfill leachates: Kinetics and stoichiometry	Lema J.M., Ibanez E., Canals J.	Environmental Technology Letters	15
1082	2020	Sludge volume index and suspended solids estimation of mature aerobic granular sludge by quantitative image analysis and chemometric tools	Leal C., Val del Rio A., Mesquita D.P., Amaral A.L., Castro P.M.L., Ferreira E.C.	Separation and Purification Technology	14
1083	2019	Opportunities to improve energy use in urban wastewater treatment: A European-scale analysis	Ganora D., Hospido A., Husemann J., Krampe J., Loderer C., Longo S., Moragas Bouyat L., Obermaier N., Piraccini E., Stanev S., Vaci L., Pistocchi A.	Environmental Research Letters	14
1084	2019	Environmental sustainability assessment of HMF and FDCA production from lignocellulosic biomass through life cycle assessment (LCA)	Bello S., Salim I., Mendez-Trelles P., Rodil E., Feijoo G., Moreira M.T.	Holzforschung	14
1085	2018	The time response of an anaerobic digestion microbiome during an organic loading rate shock	Braz G.H.R., Fernandez-Gonzalez N., Lema J.M., Carballa M.	Applied Microbiology and Biotechnology	14
1086	2018	Fresh milk supply through vending machines: Consumption patterns and associated environmental impacts	Pereira A., Villanueva-Rey P., Vence X., Moreira M.T., Feijoo G.	Sustainable Production and Consumption	14
1087	2018	Structural features and water sorption isotherms of carrageenans: A prediction model for hybrid carrageenans	Torres M.D., Chenlo F., Moreira R.	Carbohydrate Polymers	14
1088	2017	Aqueous extracts of <i>Ascophyllum nodosum</i> obtained by ultrasound-assisted extraction: effects of drying temperature of seaweed on the properties of extracts	Moreira R., Sineiro J., Chenlo F., Arufe S., Diaz-Varela D.	Journal of Applied Phycology	14
1089	2017	Thermal reversibility of kappa/iota-hybrid carrageenan gels extracted from <i>Mastocarpus stellatus</i> at different ionic strengths	Torres M.D., Chenlo F., Moreira R.	Journal of the Taiwan Institute of Chemical Engineers	14
1090	2016	Identifying the limitations of conventional biofiltration of diffuse methane emissions at long-term operation	Gomez-Cuervo S., Hernandez J., Omil F.	Environmental Technology (United Kingdom)	14
1091	2015	Liquid-liquid-liquid equilibria for water+[P66614][DCA]+dodecane ternary system	Rodriguez-Escontrela I., Rodriguez-Palmeiro I., Rodriguez O., Arce A., Soto A.	Fluid Phase Equilibria	14

1092	2015	Continuous Removal of Nonylphenol by Versatile Peroxidase in a Two-Stage Membrane Bioreactor	Mendez-Hernandez J.E., Eibes G., Arca-Ramos A., Lu-Chau T.A., Feijoo G., Moreira M.T., Lema J.M.	Applied Biochemistry and Biotechnology	14
1093	2014	Analysis of raw cork production in Portugal and Catalonia using life cycle assessment	Dias A.C., Boschmonart-Rives J., Gonzalez-Garcia S., Demertzi M., Gabarrell X., Arroja L.	International Journal of Life Cycle Assessment	14
1094	2014	Separation of carbohydrates and sugar alcohols from ionic liquids using antisolvents	Carneiro A.P., Rodriguez O., Macedo E.A.	Separation and Purification Technology	14
1095	2014	Anaerobic digestion of aerobic granular biomass: Effects of thermal pre-treatment and addition of primary sludge	Val Del Rio A., Palmeiro-Sanchez T., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Journal of Chemical Technology and Biotechnology	14
1096	2014	Feasibility of spent metalworking fluids as co-substrate for anaerobic co-digestion	Rodriguez-Verde I., Regueiro L., Pena R., Alvarez J.A., Lema J.M., Carballa M.	Bioresource Technology	14
1097	2012	Surface tension and refractive index of guar and tragacanth gums aqueous dispersions at different polymer concentrations, polymer ratios and temperatures	Moreira R., Chenlo F., Silva C., Torres M.D., Diaz-Varela D., Hilliou L., Argence H.	Food Hydrocolloids	14
1098	2012	Product carbon footprinting in Thailand: A step towards sustainable consumption and production?	Mungkung R., Gheewala S.H., Kanyarushoki C., Hospido A., van der Werf H., Poovarodom N., Bonnet S., Aubin J., Teresa Moreira M., Feijoo G.	Environmental Development	14
1099	2012	Physicochemical characterization of galician honeys	Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.C.	International Journal of Food Properties	14
1100	2008	Surface tension of aqueous solutions of short N-alkyl-2-pyrrolidinones	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	Journal of Chemical and Engineering Data	14
1101	2005	Influence of glymes upon percolative phenomena in AOT-based microemulsions	Dasilva-Carbalhal J., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Perez-Lorenzo M.	Journal of Colloid and Interface Science	14
1102	2001	Viscosities of single-solute and binary-solute aqueous systems of monoethanolamine, diethanolamine, and 2-amino-2-methyl-1-propanol	Chenlo F., Moreira R., Pereira G., Vazquez M.J., Santiago E.	Journal of Chemical and Engineering Data	14
1103	2001	Enzyme-aided alternative processes for the extraction of oil from <i>Rosa rubiginosa</i> [1]	Moure A., Franco D., Santamaria R.I., Soto C., Sineiro J., Dominguez H., Zunga M.E., Nunez M.J., Chamy R., Lopez-Munigua A., Lema J.M.	JAOCS, Journal of the American Oil Chemists' Society	14
1104	2000	The circulating floating bed reactor: Effect of particle size distribution of the carrier on ammonia conversion	Garrido-Fernandez J.M., Mendez R., Lema J.M., Lazarova V.	Water Science and Technology	14
1105	2000	Operation of a nitrifying activated sludge airlift (NASA) reactor without biomass carrier	Campos J.L., Mendez R., Lema J.M.	Water Science and Technology	14
1106	1999	Thermodynamic behaviour of ethanol + methanol + 2-ethoxy-2-methylpropane system. Physical properties and phase equilibria	Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Fluid Phase Equilibria	14

1107	1998	Measurement and prediction of isobaric vapour-liquid equilibrium data of the system ethanol + methanol + 2-methoxy-2-methylpropane	Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Fluid Phase Equilibria	14
1108	1998	Density, viscosity, and surface tension of sodium carbonate + sodium bicarbonate buffer solutions in the presence of glycerine, glucose, and sucrose from 25 to 40°C	Vazquez G., Alvarez E., Navaza J.M.	Journal of Chemical and Engineering Data	14
1109	1995	Isobaric Vapor-Liquid Equilibria of Methanol + 1-Octanol and Ethanol + 1-Octanol Mixtures	Arce A., Blanco A., Soto A., Tojo J.	Journal of Chemical and Engineering Data	14
1110	1991	Enzymatic hydrolysis of starch in a fixed-bed pulsed-flow reactor	Sanroman A., Chamy R., Nunez M.J., Lema J.M.	Applied Biochemistry and Biotechnology	14
1111	1989	Start up of UASB reactors treating sucrose-containing substrates with a low cod/sulfate ratio	Mendez R., Pol L.W.H., Ten Brummeler E.	Environmental Technology Letters	14
1112	2021	The organic loading rate affects organic micropollutants' cometabolic biotransformation kinetics under heterotrophic conditions in activated sludge	Kennes-Veiga D.M., Gonzalez-Gil L., Carballa M., Lema J.M.	Water Research	13
1113	2020	BECCS based on bioethanol from wood residues: Potential towards a carbon-negative transport and side-effects	Bello S., Galan-Martin A., Feijoo G., Moreira M.T., Guillen-Gosalbez G.	Applied Energy	13
1114	2020	Protein composition determines the preferential consumption of amino acids during anaerobic mixed-culture fermentation	Bevilacqua R., Regueira A., Mauricio-Iglesias M., Lema J.M., Carballa M.	Water Research	13
1115	2020	Environmental assessment of viticulture waste valorisation through composting as a biofertilisation strategy for cereal and fruit crops	Cortes A., Oliveira L.F.S., Ferrari V., Taffarel S.R., Feijoo G., Moreira M.T.	Environmental Pollution	13
1116	2019	Energetic and economic assessment of sludge thermal hydrolysis in novel wastewater treatment plant configurations	Taboada-Santos A., Lema J.M., Carballa M.	Waste Management	13
1117	2019	Determination of the intrinsic kinetic parameters of ammonia-oxidizing and nitrite-oxidizing bacteria in granular and flocculent sludge	Val del Rio A., Campos J.L., Da Silva C., Pedrouso A., Mosquera-Corral A.	Separation and Purification Technology	13
1118	2019	PHA accumulation of a mixed microbial culture co-exists with ammonia partial nitrification	Fra-Vazquez A., Santorio S., Palmeiro-Sanchez T., Val del Rio A., Mosquera-Corral A.	Chemical Engineering Journal	13
1119	2018	Environmental assessment of alternative treatment schemes for energy and nutrient recovery from livestock manure	Pedizzi C., Noya I., Sarli J., Gonzalez-Garcia S., Lema J.M., Moreira M.T., Carballa M.	Waste Management	13
1120	2017	Decentralised schemes for integrated management of wastewater and domestic organic waste: the case of a small community	Lijo L., Malamis S., Gonzalez-Garcia S., Moreira M.T., Fatone F., Katsou E.	Journal of Environmental Management	13

1121	2017	Density, Speed of Sound, Viscosity and Surface Tension of 3-Dimethylamino-1-propylamine + Water, 3-Amino-1-propanol + 3-Dimethylamino-1-propanol, and (3-Amino-1-propanol + 3-Dimethylamino-1-propanol) + Water from T = (293.15 to 323.15) K	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	13
1122	2017	Water Sorption Isotherms and Air Drying Kinetics of Fucus vesiculosus Brown Seaweed	Moreira R., Chenlo F., Sineiro J., Arufe S., Sexto S.	Journal of Food Processing and Preservation	13
1123	2017	The ManureEcoMine pilot installation: Advanced integration of technologies for the management of organics and nutrients in livestock waste	Pintucci C., Carballa M., Varga S., Sarli J., Peng L., Bousek J., Pedizzi C., Ruscalleda M., Tarrago E., Prat D., Colica G., Picavet M., Colsen J., Benito O., Balaguer M., Puig S., Lema J.M., Colprim J., Fuchs W., Vlaeminck S.E.	Water Science and Technology	13
1124	2017	Cradle-to-gate life cycle assessment of forest supply chains: Comparison of Canadian and Swedish case studies	de la Fuente T., Athanassiadis D., Gonzalez-Garcia S., Nordfjell T.	Journal of Cleaner Production	13
1125	2017	Technical and environmental evaluation of an integrated scheme for the co-treatment of wastewater and domestic organic waste in small communities	Lijo L., Malamis S., Gonzalez-Garcia S., Fatone F., Moreira M.T., Katsou E.	Water Research	13
1126	2016	Effect of oxygen on the microbial activities of thermophilic anaerobic biomass	Pedizzi C., Regueiro L., Rodriguez-Verde I., Lema J.M., Carballa M.	Bioresource Technology	13
1127	2016	Density, Speed of Sound, Viscosity, and Surface Tension of Dimethylethylenediamine + Water and (Ethanolamine + Dimethylethanolamine) + Water from T = (293.15 to 323.15) K	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	13
1128	2015	Starch transitions of different gluten free flour doughs determined by dynamic thermal mechanical analysis and differential scanning calorimetry	Moreira R., Chenlo F., Arufe S.	Carbohydrate Polymers	13
1129	2015	Accounting for time-dependent changes in GHG emissions in the Ribeiro appellation (NW Spain): Are land use changes an important driver?	Villanueva-Rey P., Vazquez-Rowe I., Otero M., Moreira M.T., Feijoo G.	Environmental Science and Policy	13
1130	2015	Effect of temperature on salt-salt aqueous biphasic systems: Manifestations of upper critical solution temperature	Dilip M., Bridges N.J., Rodriguez H., Pereira J.F.B., Rogers R.D.	Journal of Solution Chemistry	13
1131	2014	Environmental solutions for the sustainable production of bioactive natural products from the marine sponge Crambe crambe	Perez-Lopez P., Ternon E., Gonzalez-Garcia S., Genta-Jouve G., Feijoo G., Thomas O.P., Moreira M.T.	Science of the Total Environment	13
1132	2013	Diffusion and performance of fragranced products: Prediction and validation	Teixeira M.A., Rodriguez O., Rodrigues A.E.	AIChE Journal	13

1133	2013	The role of transboundary air pollution over Galicia and North Portugal area	Borrego C., Souto J.A., Monteiro A., Dios M., Rodriguez A., Ferreira J., Saavedra S., Casares J.J., Miranda A.I.	Environmental Science and Pollution Research	13
1134	2012	Effect of coagulant-flocculant reagents on aerobic granular biomass	Val del Rio A., Morales N., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Journal of Chemical Technology and Biotechnology	13
1135	2012	NMR studies in carbon dioxide - Amine chemical absorption	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Rumbo A.	Procedia Engineering	13
1136	2011	Economic comparison of enzymatic reactors and advanced oxidation processes applied to the degradation of phenol as a model compound	Lopez C., Moreira M.T., Feijoo G., Lema J.M.	Biocatalysis and Biotransformation	13
1137	2011	Static structure, microscopic dynamics and electronic properties of the liquid Bi-Pb alloy. An ab initio molecular dynamics study	Souto J., Alemany M.M.G., Gallego L.J., Gonzalez L.E., Gonzalez D.J.	Journal of Nuclear Materials	13
1138	2011	A risk-based decision tool for the management of organic waste in agriculture and farming activities (FARMERS)	Rio M., Franco-Uria A., Abad E., Roca E.	Journal of Hazardous Materials	13
1139	2009	Measurement of ion activity coefficients in aqueous solutions of mixed electrolyte with a common ion: NaNO <sub>3</sub> + KNO <sub>3</sub> , NaCl + KCl, and NaBr + NaCl	Rodil E., Arce A., Wilczek-Vera G., Vera J.H.	Journal of Chemical and Engineering Data	13
1140	2008	Determination of the adequate minimum model complexity required in anaerobic bioprocesses using experimental data	Rodriguez J., Roca E., Lema J.M., Bernard O.	Journal of Chemical Technology and Biotechnology	13
1141	2008	Kinetics of carbon dioxide absorption into aqueous glucosamine solutions	Gomez-Diaz D., Navaza J.M.	AIChE Journal	13
1142	2007	Drying of chestnuts ( <i>Castanea sativa</i> mill.) after osmotic dehydration with sucrose and glucose solutions	Moreira R., Chenlo F., Chaguri L., Oliveira H.	Drying Technology	13
1143	2007	Density, kinematic viscosity, speed of sound, and surface tension of tetradecyl and octadecyl trimethyl ammonium bromide aqueous solutions	Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Journal of Chemical and Engineering Data	13
1144	2006	Gas mass transfer to AOT-based microemulsions	Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Chemical Engineering Science	13
1145	2006	Density, viscosity, and speed of sound of solutions of AOT reverse micelles in 2,2,4-trimethylpentane	Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	13
1146	2002	Aqueous extraction and membrane isolation of protein from defatted <i>Gevuina avellana</i>	Moure A., Rua M., Sineiro J., Dominguez H.	Journal of Food Science	13
1147	2001	Measurement and correlation of the activity coefficients of individual ions in aqueous electrolyte solutions of Na <sub>2</sub> SO <sub>4</sub> and K <sub>2</sub> SO <sub>4</sub>	Rodil E., Vera J.H.	Canadian Journal of Chemical Engineering	13
1148	2000	The influence of acetosolv pulping conditions on the enzymatic hydrolysis of <i>Eucalyptus</i> pulps	Vazquez G., Antorrena G., Gonzalez J., Freire S., Crespo I.	Wood Science and Technology	13

1149	1997	Enhancement of the absorption of CO <sub>2</sub> in alkaline buffers by organic solutes: Relation with degree of dissociation and molecular OH density	Vazquez G., Chenlo F., Pereira G.	Industrial and Engineering Chemistry Research	13
1150	1995	Production of Manganese Peroxidase by free pellets of <i>Phanerochaete chrysosporium</i> in an Expanded-Bed Bioreactor	Moreira M.T., Feijoo G., Lema J.M.	Biotechnology Techniques	13
1151	1990	Optimization of the hardening treatment of <i>S. cerevisiae</i> bioparticles	Chamy R., Nunez M.J., Lema J.M.	Enzyme and Microbial Technology	13
1152	2020	Towards a digital twin: a hybrid data-driven and mechanistic digital shadow to forecast the evolution of lignocellulosic fermentation	Lopez P.C., Udugama I.A., Thomsen S.T., Roslander C., Junicke H., Mauricio-Iglesias M., Gernaey K.V.	Biofuels, Bioproducts and Biorefining	12
1153	2019	Sustainable production of marine equipment in a circular economy: deepening in material and energy flows, best available techniques and toxicological impacts	Zapelloni G., Garcia Rellan A., Bello Bugallo P.M.	Science of the Total Environment	12
1154	2019	Benchmarking real-time monitoring strategies for ethanol production from lignocellulosic biomass	Cabaneros Lopez P., Feldman H., Mauricio-Iglesias M., Junicke H., Huusom J.K., Gernaey K.V.	Biomass and Bioenergy	12
1155	2019	Minimization of dissolved methane, nitrogen and organic micropollutants emissions of effluents from a methanogenic reactor by using a preanoxic MBR post-treatment system	Alvarino T., Allegue T., Fernandez-Gonzalez N., Suarez S., Lema J.M., Garrido J.M., Omil F.	Science of the Total Environment	12
1156	2018	A combination of ammonia stripping and low temperature thermal pre-treatment improves anaerobic post-digestion of the supernatant from organic fraction of municipal solid waste treatment	Pedizzi C., Lema J.M., Carballa M.	Waste Management	12
1157	2017	Tributyl(tetradecyl)phosphonium Chloride Ionic Liquid for Surfactant-Enhanced Oil Recovery	Rodriguez-Palmeiro I., Rodriguez-Escontrela I., Rodriguez O., Soto A., Reichmann S., Amro M.M.	Energy and Fuels	12
1158	2016	Opportunities and challenges of implementing life cycle assessment in seafood certification: a case study for Spain	Vazquez-Rowe I., Villanueva-Rey P., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	12
1159	2016	Environmental life cycle optimization of essential terpene oils produced by the macroalga <i>Ochtodes secundiramea</i>	Perez-Lopez P., Jeffries C., Agathos S.N., Feijoo G., Rorrer G., Moreira M.T.	Science of the Total Environment	12
1160	2016	An analysis on how switching to a more balanced and naturally improved milk would affect consumer health and the environment	Roibas L., Martinez I., Goris A., Barreiro R., Hospido A.	Science of the Total Environment	12
1161	2015	Density, speed of sound, viscosity, and excess properties of n-ethyl-2-pyrrolidone + 2-(methylamino)ethanol [or 2-(ethylamino)ethanol] from T = (293.15 to 323.15) K	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Rumbo A., Yasarotlu O.	Journal of Chemical and Engineering Data	12

1162	2014	Stability and kinetic behavior of immobilized laccase from <i>Myceliophthora thermophila</i> in the presence of the ionic liquid 1-ethyl-3-methylimidazolium ethylsulfate	Fernandez-Fernandez M., Moldes D., Dominguez A., Sanroman M.A., Tavares A.P.M., Rodriguez O., Macedo E.A.	Biotechnology Progress	12
1163	2013	Physicochemical characterization of chitosan derivatives	Blanco A., Garca-Abun A., Gomez-Daz D., Navaza J.M.	CYTA - Journal of Food	12
1164	2013	Synthesis and characterization of highly concentrated AgI-[P 6,6,6,14]Cl ionic liquids	Rodriguez-Palmeiro I., Rodriguez-Cabo B., Rodil E., Arce A., Saiz-Jabardo J.M., Soto A.	Journal of Nanoparticle Research	12
1165	2013	Fermentation of biologically pretreated wheat straw for ethanol production: Comparison of fermentative microorganisms and process configurations	Lopez-Abelairas M., Lu-Chau T.A., Lema J.M.	Applied Biochemistry and Biotechnology	12
1166	2013	Density, speed of sound, refractive index and derivatives properties of the binary mixture n-hexane + n-heptane (or n-octane or n-nonane), T = 288.15 - 313.15 K	Blanco A., Gayol A., Gomez-Diaz D., Navaza J.M.	Physics and Chemistry of Liquids	12
1167	2012	Fish discards management: Pollution levels and best available removal techniques	Antelo L.T., Lopes C., Franco-Uria A., Alonso A.A.	Marine Pollution Bulletin	12
1168	2012	Continuous biotransformation of estrogens by laccase in an enzymatic membrane reactor	Lloret L., Eibes G., Feijoo G., Moreira M.T., Lema J.M.	Chemical Engineering Transactions	12
1169	2011	Prediction of odour detection thresholds using partition coefficients	Rodriguez O., Teixeira M.A., Rodrigues A.E.	Flavour and Fragrance Journal	12
1170	2011	Raman depth-profiling characterization of a migrant diffusion in a polymer	Mauricio-Iglesias M., Guillard V., Gontard N., Peyron S.	Journal of Membrane Science	12
1171	2011	Density, speed of sound, refractive index, viscosity, surface tension, and excess volume of N -methyl-2-pyrrolidone + 1-amino-2-propanol {or Bis(2-hydroxypropyl)amine} from T = (293.15 to 323.15) K	Garcia-Abuin A., Gomez-Diaz D., La Rubia M.D., Lopez A.B., Navaza J.M.	Journal of Chemical and Engineering Data	12
1172	2010	Evaluation of two fungal strains for the degradation of Pharmaceutical and Personal Care Products (PPCPs)	Rodarte-Morales A.I., Moreira M.T., Feijoo G., Lema J.M.	Chemical Engineering Transactions	12
1173	2009	Influence of the filler CaCO <sub>3</sub> on the cure kinetic of the epoxy network diglycidyl ether of bisphenol a (BADGE n = 0) with isophorone diamine	Fraga F., Vazquez I., Rodriguez-Nunez E., Martinez-Ageitos J.M., Miragaya J.	Journal of Applied Polymer Science	12
1174	2009	Chestnut burs as a source of natural antioxidants	Vazquez G., Gonzalez-Alvarez J., Freire M.S., Fernandez-Agullo A., Santos J., Antorrena G.	Chemical Engineering Transactions	12
1175	2008	Gibbs free energy of transfer of a methylene group in buffer + ionic liquid biphasic systems	Rodriguez O., Madeira P.P., Macedo E.A.	Industrial and Engineering Chemistry Research	12



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1179	2001	Automatic start-up of UASB reactors	Punal A., Melloni P., Roca E., Rozzi A., Lema J.M.	Journal of Environmental Engineering	12
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1181	1999	Molar volume, refractive index, and isentropic compressibility at 298.15 K for 1-butanol + ethanol + 2-methoxy-2-methylpropane	Arce A., Pardillo E., Rodil E., Soto A.	Journal of Chemical and Engineering Data	12
1182	1995	Densities, Refractive Indices, and Excess Molar Volumes of Water + Methanol + 2-Methoxy-2-methylpropane at 298.15 K	Arce A., Martinez-Ageitos J., Mendoza J., Soto A.	Journal of Chemical and Engineering Data	12
1183	1994	Kinetics and mechanism of acetic acid pulping of detannined Pinus pinaster bark	Vazquez G., Antorrena G., Gonzalez J.	Wood Science and Technology	12
1184	2020	Absorption and regeneration studies of chemical solvents based on dimethylethanolamine and diethylethanolamine for carbon dioxide capture	Baltar A., Gomez-Diaz D., Navaza J.M., Rumbo A.	AIChE Journal	11
1185	2019	Integrated evaluation of wine lees valorization to produce value-added products	Cortes A., Moreira M.T., Feijoo G.	Waste Management	11
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1187	2018	Modeling photosynthetically active radiation from satellite-derived estimations over mainland Spain	Vindel J.M., Valenzuela R.X., Navarro A.A., Zarzalejo L.F., Paz-Gallardo A., Souto J.A., Mendez-Gomez R., Cartelle D., Casares J.J.	Remote Sensing	11
1188	2017	Formulation of laccase nanobiocatalysts based on ionic and covalent interactions for the enhanced oxidation of phenolic compounds	Moreira M.T., Moldes-Diz Y., Feijoo S., Eibes G., Lema J.M., Feijoo G.	Applied Sciences (Switzerland)	11
1189	2017	Life cycle assessment of in situ mariculture in the Mediterranean Sea for the production of bioactive compounds from the sponge Sarcotragus spinosulus	Perez-Lopez P., Ledda F.D., Bisio A., Feijoo G., Perino E., Pronzato R., Manconi R., Moreira M.T.	Journal of Cleaner Production	11
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1192	2015	Carbon dioxide absorption behavior in 2-(ethylamino)ethanol aqueous solutions	Folgueira I., Teijido I., Garcia-Abuin A., Gomez-Diaz D., Rumbo A.	Fuel Processing Technology	11
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1194	2014	Perfumery radar 2.0: A step toward fragrance design and classification	Teixeira M.A., Barrault L., Rodriguez O., Carvalho C.C., Rodrigues A.E.	Industrial and Engineering Chemistry Research	11
1195	2013	Application of response surface methodology to study the removal of estrogens in a laccase-mediated continuous membrane reactor	Lloret L., Eibes G., Feijoo G., Moreira M.T., Lema J.M.	Biocatalysis and Biotransformation	11
1196	2012	Liquid-liquid interfacial tension of equilibrated mixtures of ionic liquids and hydrocarbons	Rodriguez H., Arce A., Soto A.	Science China Chemistry	11
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1199	2009	Determination of the optimal conditions for the adsorption of cadmium ions and phenol on chestnut ( <i>Castanea sativa</i> ) shell	Vazquez G., Gonzalez-Alvarez J., Freire M.S., Calvo M., Antorrena G.	Global Nest Journal	11
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1205	2004	Surfactant precipitation and polar solvent recovery of $\alpha$ -chymotrypsin and ribonuclease-A	Shin Y.-O., Rodil E., Vera J.H.	Biochemical Engineering Journal	11
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1208	2002	Expert system for the on-line diagnosis of anaerobic wastewater treatment plants.	Punal A., Rodriguez J., Carrasco E.F., Roca E., Lema J.M.	Water science and technology : a journal of the International Association on Water Pollution Research	11
1209	2001	Liquid-liquid equilibrium for tert-amyl ethyl ether + methanol + water	Arce A., Martinez-Ageitos J., Rodriguez O., Soto A.	Journal of Chemical and Engineering Data	11
1210	1997	Decolorization of ion-exchange effluents derived from sugar-mill operations by Bjerkandera sp.BOS55	Moreira M.T., Palma C., Feijoo G., Lema J.M.	International Biodeterioration and Biodegradation	11
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1213	2020	Assessing the sustainability dimension at local scale: Case study of Spanish cities	Rama M., Gonzalez-Garcia S., Andrade E., Moreira M.T., Feijoo G.	Ecological Indicators	10
1214	2020	Model-based design of smart active packaging systems with antimicrobial activity	Vilas C., Mauricio-Iglesias M., Garcia M.R.	Food Packaging and Shelf Life	10
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1221	2018	Sequential reactors for the removal of endocrine disrupting chemicals by laccase immobilized onto fumed silica microparticles	Gamallo M., Moldes-Diz Y., Eibes G., Feijoo G., Lema J.M., Moreira M.T.	Biocatalysis and Biotransformation	10
1222	2017	Partial Nitritation-Anammox Granules: Short-Term Inhibitory Effects of Seven Metals on Anammox Activity	Val del Rio A., da Silva T., Martins T.H., Foresti E., Campos J.L., Mendez R., Mosquera-Corral A.	Water, Air, and Soil Pollution	10
1223	2017	Diffuse methane emissions abatement by organic and inorganic packed biofilters: Assessment of operational and environmental indicators	Gomez-Cuervo S., Alfonsin C., Hernandez J., Feijoo G., Moreira M.T., Omil F.	Journal of Cleaner Production	10
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1225	2015	A novel control strategy for single-stage autotrophic nitrogen removal in SBR	Mauricio-Iglesias M., Vangsgaard A.K., Gernaey K.V., Smets B.F., Sin G.	Chemical Engineering Journal	10
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1228	2011	Biodegradation of Micropollutants and Prospects for Water and Wastewater Biotreatment	Forrez I., Boon N., Verstraete W., Carballa M.	Comprehensive Biotechnology, Second Edition	10
1229	2011	Autopilot abstraction and standardization for seamless integration of unmanned aircraft system applications	Royo P., Pastor E., Barrado C., Santamaria E., Lopez J., Prats X., Lema J.M.	Journal of Aerospace Computing, Information and Communication	10
1230	2011	Biocatalytic generation of Mn(III)-chelate as a chemical oxidant of different environmental contaminants	Taboada-Puig R., Lu-Chau T., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Biotechnology Progress	10
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1233	2010	Viscosimetric behaviour of carboxymethyl cellulose - Arabic gum mixtures: A new step to modelling	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.C.	Carbohydrate Polymers	10
1234	2007	Cure kinetics of a diglycidyl ether of bisphenol A epoxy network (n = 0) with isophorone diamine	Fraga F., Penas M., Castro C., Rodriguez-Nunez E., Martinez-Ageitos J.M.	Journal of Applied Polymer Science	10

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1237	2003	Anaerobic treatment of natural tannin extracts in UASB reactors	Lopez-Fiuza J., Omil F., Mendez R.	Water Science and Technology	10
1238	2003	Simulation of multistage extraction of antioxidants from Chilean hazelnut ( <i>Gevuina avellana</i> ) hulls	Moure A., Franco D., Sineiro J., Dominguez H., Nunez M.J.	JAOCs, Journal of the American Oil Chemists' Society	10
1239	2000	Enhancement of plasmid stability and enzymatic expression by immobilising recombinant <i>Saccharomyces cerevisiae</i>	Lu Chau T., Guillan A., Roca E., Nunez M.J., Lema J.M.	Biotechnology Letters	10
1240	2000	Phase equilibria involved in extractive distillation of 2-methoxy-2-methylpropane+methanol using 1-butanol as entrainer	Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Fluid Phase Equilibria	10
1241	1996	Immobilization of <i>Aspergillus niger</i> and <i>Phanerochaete chrysosporium</i> on polyurethane foam	Sanroman A., Feijoo G., M.Lema J.	Progress in Biotechnology	10
1242	1996	Oxalic acid extraction as a posttreatment to increase the brightness of kraft pulps bleached by white-rot fungi	Moreira M.T., Feijoo G., Lema J., Field J.A., Sierra-Alvarez R.	Biotechnology Techniques	10
1243	1995	Densities, Refractive Indices, and Excess Molar Volumes of Water + Ethanol + 2-Methoxy-2-methylpropane at 298.15 K	Arce A., Blanco A., Mendoza J., Soto A.	Journal of Chemical and Engineering Data	10
1244	1995	Hydraulic model of a gas-lift bioreactor with flocculating yeast	Roca E., Ghommidh C., Navarro J.M., Lema J.M.	Bioprocess Engineering	10
1245	1995	Studies on the composition of <i>Pinus pinaster</i> foliage	Vazquez G., Antorrena G., Gonzalez J., Freire S.	Bioresource Technology	10
1246	1994	Product inhibition of fermentation of xylose to ethanol by free and immobilized <i>Pichia stipitis</i>	Chamy R., Nunez M.J., Lema J.M.	Enzyme and Microbial Technology	10
1247	1991	Continuous fermentation of d-xylose by immobilized <i>pichia stipitis</i> comparison between cstr and cpfr	Nunez M.J., Chamy R., Dominguez H., Sanroman A., Lema J.M.	Applied Biochemistry and Biotechnology	10
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1250	2020	Environmental analysis of servicing centralised and decentralised wastewater treatment for population living in neighbourhoods	Arias A., Rama M., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Journal of Water Process Engineering	9

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1252	2020	Optimization of an enriched mixed culture to increase PHA accumulation using industrial saline complex wastewater as a substrate	Argiz L., Fra-Vazquez A., del Rio A.V., Mosquera-Corral A.	Chemosphere	9
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1254	2019	Assessing the environmental sustainability of glucose from wheat as a fermentation feedstock	Salim I., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Journal of Environmental Management	9
1255	2019	Integrating lifecycle assessment and urban metabolism at city level: Comparison between Spanish cities	Gonzalez-Garcia S., Dias A.C.	Journal of Industrial Ecology	9
1256	2019	Starch hydrogels from discarded chestnuts produced under different temperature-time gelatinisation conditions	Farina M., Torres M.D., Moreira R.	International Journal of Food Science and Technology	9
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1258	2019	Life Cycle Assessment of Renewable Energy Production from Biomass	Lijo L., Gonzalez-Garcia S., Lovarelli D., Moreira M.T., Feijoo G., Bacenetti J.	Green Energy and Technology	9
1259	2018	Enzymatic reactors for the removal of recalcitrant compounds in wastewater	Arca-Ramos A., Eibes G., Feijoo G., Lema J.M., Moreira M.T.	Biocatalysis and Biotransformation	9
1260	2018	Gamestorming for the Conceptual Design of Products and Processes in the context of engineering education	Feijoo G., Crujeiras R.M., Moreira M.T.	Education for Chemical Engineers	9
1261	2017	Valorization of Vine Shoots Based on the Autohydrolysis Fractionation Optimized by a Kinetic Approach	Gullon B., Eibes G., Davila I., Vila C., Labidi J., Gullon P.	Industrial and Engineering Chemistry Research	9
1262	2017	Integrated environmental permit through Best Available Techniques: Evaluation of the dairy industry	Torres Lopez E.R., Doval Leira R., Galera Martinez M., Bello Bugallo P.M.	Journal of Cleaner Production	9
1263	2017	Fate of pharmaceuticals in soil after application of STPs products: Influence of physicochemical properties and modelling approach	Garcia-Santiago X., Garrido J.M., Lema J.M., Franco-Uria A.	Chemosphere	9
1264	2015	CO2 chemical absorption in 3-amino-1-propanol aqueous solutions in BC reactor	Bentes J., Garcia-Abuin A., Gomes A.G., Gomez-Diaz D., Navaza J.M., Rumbo A.	Fuel Processing Technology	9
1265	2015	A generic methodology for the optimisation of sewer systems using stochastic programming and self-optimizing control	Mauricio-Iglesias M., Montero-Castro I., Mollerup A.L., Sin G.	Journal of Environmental Management	9

1266	2014	Characterization of carbon dioxide capture by glucosamine: Liquid phase speciation and degradation	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Industrial and Engineering Chemistry	9
1267	2014	Operational efficiency and environmental impact fluctuations of the basque trawling fleet using LCA+DEA methodology	Ramos S., Vazquez-Rowe I., Artetxe I., Moreira M.T., Feijoo G., Zufia J.	Turkish Journal of Fisheries and Aquatic Sciences	9
1268	2013	Effect of carbon dioxide chemical absorption on bubble diameter and interfacial area	Lopez A.B., Gomez-Diaz D., La Rubia M.D., Navaza J.M.	Chemical Engineering and Technology	9
1269	2012	Surface tension and refractive index of benzylamine and 1,2-diaminopropane aqueous solutions from T = (283.15 to 323.15) K	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	9
1270	2012	Preparation of metal oxide nanoparticles in ionic liquid medium	Rodriguez-Cabo B., Rodil E., Soto A., Arce A.	Journal of Nanoparticle Research	9
1271	2012	Evaluation of two operational regimes: Fed-batch and continuous for the removal of pharmaceuticals in a fungal stirred tank reactor	Rodarte-Morales A.I., Feijoo G., Moreira M.T., Lema J.M.	Chemical Engineering Transactions	9
1272	2011	Surface tensions of three amyl alcohol + ethanol binary mixtures from (293.15 to 323.15) K	Alvarez E., Correa A., Correa J.M., Garcia-Rosello E., Navaza J.M.	Journal of Chemical and Engineering Data	9
1273	2011	Aerobic granulation in a mechanical stirred SBR: Treatment of low organic loads	Mosquera-Corral A., Arrojo B., Figueroa M., Campos J.L., Mendez R.	Water Science and Technology	9
1274	2011	Hydrodynamics of a carbon dioxide/water/silicone oil bubble column	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	Chemical Engineering Journal	9
1275	2010	Density, speed of sound, surface tension, and electrical conductivity of sodium dodecanoate aqueous solutions from T = (293.15 to 323.15) K	Alvarez-Silva E., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Vidal-Tato I.	Journal of Chemical and Engineering Data	9
1276	2010	Comparison of temperature effects on the salting out of poly(ethylene glycol) versus poly(ethylene oxide)-poly(propylene oxide) random copolymer	Meghna D., Griffin S.T., Spear S.K., Rodriguez H., Rijkssen C., Rogers R.D.	Industrial and Engineering Chemistry Research	9
1277	2009	Kinetic and stability study of the peroxidase inhibition in ionic liquids	Carneiro A.P., Rodriguez O., Mota F.L., Tavares A.P.M., Macedo E.A.	Industrial and Engineering Chemistry Research	9
1278	2009	Ureolytic phosphate precipitation from anaerobic effluents	Desmidt E., Verstraete W., Dick J., Meesschaert B.D., Carballa M.	Water Science and Technology	9
1279	2009	Kinematic viscosity and refractive index of aqueous solutions of ethanol and glycerol	Moreira R., Chenlo F., Legall D.	Industrial and Engineering Chemistry Research	9
1280	2008	Enzymatic degradation of low soluble compounds in monophasic water: Solvent reactors. Kinetics and modeling of anthracene degradation by MnP	Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Biotechnology and Bioengineering	9

1281	2007	Is the presence of dicarboxylic acids required in the MnP cycle?. Study of Mn <sup>3+</sup> stability by cyclic voltammetry	Lopez C., Garcia-Monteaagudo J.C., Moreira M.T., Feijoo G., Lema J.M.	Enzyme and Microbial Technology	9
1282	2007	Rheological behaviour of chestnuts under compression tests	Moreira R., Chenlo F., Abelenda N., Vazquez M.J.	International Journal of Food Science and Technology	9
1283	2007	Estimating risk during showering exposure to VOCs of workers in a metal-degreasing facility	Franco A., Costoya M.A., Roca E.	Journal of Toxicology and Environmental Health - Part A: Current Issues	9
1284	2005	(Liquid + liquid) equilibrium of (dibutyl ether + methanol + water) at different temperatures	Arce A., Rodriguez H., Rodriguez O., Soto A.	Journal of Chemical Thermodynamics	9
1285	2005	Precipitation and Recovery of Cytochrome c and Hemoglobin Using AOT and Acetone	Shin Y.-O., Rodil E., Vera J.H.	Separation Science and Technology	9
1286	2002	Systematic analysis of material fluxes at tanneries	Konrad C., Lorber K.E., Mendez R., Lopez J., Munoz M., Hidalgo D., Bornhardt C., Torres M., Rivelca B.	Journal of the Society of Leather Technologists and Chemists	9
1287	2002	The effect of kaolin particles on the behavior of nitrifying activated sludge units	Campos J.L., Garrido J.M., Mendez R., Lema J.M.	Bioresource Technology	9
1288	2001	Kinematic viscosity prediction for aqueous solutions with various solutes	Pereira G., Moreira R., Vazquez M.J., Chenlo F.	Chemical Engineering Journal	9
1289	1997	Viscosities of solutions of K <sub>2</sub> SO <sub>4</sub> , Na <sub>2</sub> SO <sub>4</sub> , KCl, NaCl, KNO <sub>3</sub> , and NaNO <sub>3</sub> in (K <sub>2</sub> CO <sub>3</sub> + KHCO <sub>3</sub> ) and (Na <sub>2</sub> CO <sub>3</sub> + NaHCO <sub>3</sub> ) buffers	Chenlo F., Moreira R., Pereira G., Vazquez M.J.	Journal of Chemical and Engineering Data	9
1290	1995	Continuous ethanolic fermentation by <i>Saccharomyces cerevisiae</i> immobilised in Ca-alginate beads hardened with Al <sup>3+</sup>	Roca E., Cameselle C., Nunez M.J., Lema J.M.	Biotechnology Techniques	9
1291	1995	Effect of addition of extracellular culture fluid on ligninolytic enzyme formation in <i>Phanerochaete chrysosporium</i>	Feijoo G., Rothschild N., Dosoretz C., Lema J.M.	Journal of Biotechnology	9
1292	1994	Solubility of CO <sub>2</sub> in Aqueous Solutions of Saccharose, Glucose, Fructose, and Glycerin	Una G.V., Romero F.C., Goncalves G.P., Lorenzo J.P.	Journal of Chemical and Engineering Data	9
1293	1994	Densities, Refractive Indices, and Excess Molar Volumes of Water + Methanol + Hexyl Acetate and Its Binary Submixtures at 298.15 K	Arce A., Blanco A., Perez J.C., Soto A.	Journal of Chemical and Engineering Data	9
1294	1993	[Exterior plywood resins formulated from <i>Pinus pinaster</i> bark extracts, Phenolharze für die Sperrholzverleimung, hergestellt aus Rindenextrakten von <i>Pinus pinaster</i> ]	Vazquez G., Antorrena G., Francisco J.L., Arias M.C., Gonzalez J.	Holz als Roh- und Werkstoff: European Journal of Wood and Wood Industries	9



1295	2021	Elimination of SARS-CoV-2 along wastewater and sludge treatment processes	Serra-Compte A., Gonzalez S., Arnaldos M., Berlendis S., Courtois S., Loret J.F., Schlosser O., Yanez A.M., Soria-Soria E., Fittipaldi M., Saucedo G., Pinar-Mendez A., Paraira M., Galofre B., Lema J.M., Balboa S., Mauricio-Iglesias M., Bosch A., Pinto R.M., Bertrand I., Gantzer C., Montero C., Litrico X.	Water Research	8
1296	2021	A novel strategy for triacylglycerides and polyhydroxyalkanoates production using waste lipids	Argiz L., Gonzalez-Cabaleiro R., Val del Rio A., Gonzalez-Lopez J., Mosquera-Corral A.	Science of the Total Environment	8
1297	2020	Environmental assessment of complex wastewater valorisation by polyhydroxyalkanoates production	Roibas-Rozas A., Mosquera-Corral A., Hospido A.	Science of the Total Environment	8
1298	2020	Deterpenation of citrus essential oil with 1-ethyl-3-methylimidazolium acetate: A comparison of unit operations	Ganem F., Mattedi S., Rodriguez O., Rodil E., Soto A.	Separation and Purification Technology	8
1299	2020	Volatile fatty acid production from saline cooked mussel processing wastewater at low pH	Fra-Vazquez A., Pedrouso A., Val del Rio A., Mosquera-Corral A.	Science of the Total Environment	8
1300	2020	What is the best scale for implementing anaerobic digestion according to environmental and economic indicators?	Arias A., Feijoo G., Moreira M.T.	Journal of Water Process Engineering	8
1301	2020	Designing a robust index for WWTP energy efficiency: The ENERWATER water treatment energy index	Mauricio-Iglesias M., Longo S., Hospido A.	Science of the Total Environment	8
1302	2020	Enhanced photocatalytic activity of semiconductor nanocomposites doped with Ag nanoclusters under UV and visible light	Gonzalez-Rodriguez J., Fernandez L., Bava Y.B., Buceta D., Vazquez-Vazquez C., Lopez-Quintela M.A., Feijoo G., Moreira M.T.	Catalysts	8
1303	2020	Efficiency assessment of diets in the Spanish regions: A multi-criteria cross-cutting approach	Esteve-Llorens X., Martin-Gamboa M., Iribarren D., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Journal of Cleaner Production	8
1304	2019	Inactivation efficiency of Bacillus endospores via modified flow-through PUV treatment with comparison to conventional LPUV treatment	Fitzhenry K., Rowan N., Val del Rio A., Cremillieux A., Clifford E.	Journal of Water Process Engineering	8
1305	2018	Life cycle assessment of decentralized mobile production systems for pelletizing logging residues under Nordic conditions	de la Fuente T., Bergstrom D., Gonzalez-Garcia S., Larsson S.H.	Journal of Cleaner Production	8
1306	2018	The importance of using life cycle assessment in policy support to determine the sustainability of fishing fleets: a case study for the small-scale xeito fishery in Galicia, Spain	Villanueva-Rey P., Vazquez-Rowe I., Arias A., Moreira M.T., Feijoo G.	International Journal of Life Cycle Assessment	8
1307	2018	Air-drying and rehydration characteristics of the brown seaweeds, <i>Ascophyllum nodosum</i> and <i>Undaria pinnatifida</i>	Chenlo F., Arufe S., Diaz D., Torres M.D., Sineiro J., Moreira R.	Journal of Applied Phycology	8
1308	2018	Switchable hydrophilicity solvents for carbon dioxide chemical absorption	Carrera M., Gomez-Diaz D., Navaza J.M.	Journal of Industrial and Engineering Chemistry	8

1309	2017	Life cycle assessment of $\beta$ -Galactosidase enzyme production	Feijoo S., Gonzalez-Garcia S., Lema J.M., Moreira M.T.	Journal of Cleaner Production	8
1310	2017	Rheological behaviour of aqueous methylcellulose systems: Effect of concentration, temperature and presence of tragacanth	Moreira R., Chenlo F., Silva C., Torres M.D.	LWT - Food Science and Technology	8
1311	2016	Technologies for the treatment and recovery of nutrients from industrial wastewater	Val del Rio A., Campos Gomez J.L., Mosquera Corral A.	Technologies for the Treatment and Recovery of Nutrients from Industrial Wastewater	8
1312	2016	Ammonia agriculture emissions: From EMEP to a high resolution inventory	Moran M., Ferreira J., Martins H., Monteiro A., Borrego C., Gonzalez J.A.	Atmospheric Pollution Research	8
1313	2016	Comparative life cycle assessment study of three winter wheat production systems in the European union	Cambria D., Vazquez-Rowe I., Gonzalez-Garcia S., Moreira M.T., Feijoo G., Pierangeli D.	Environmental Engineering and Management Journal	8
1314	2016	Sustainable Design of Packaging Materials	Gonzalez-Garcia S., Sanye-Mengual E., Llorach-Masana P., Feijoo G., Gabarrell X., Rieradevall J., Moreira M.T.	Environmental Footprints and Eco-Design of Products and Processes	8
1315	2015	Surface and upper-Air WRF-CALMET simulations assessment over a coastal and complex terrain area	Gonzalez J.A., Hernandez-Garces A., Rodriguez A., Saavedra S., Casares J.J.	International Journal of Environment and Pollution	8
1316	2013	Greenhouse gas emissions from Spanish motorway transport: Key aspects and mitigation solutions	Perez-Lopez P., Gasol C.M., Oliver-Sola J., Huelin S., Moreira M.T., Feijoo G.	Energy Policy	8
1317	2013	Carbon footprint analysis of goose barnacle ( <i>Pollicipes pollicipes</i> ) collection on the Galician coast (NW Spain)	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Fisheries Research	8
1318	2013	Activation of kraft lignin by an enzymatic treatment with a versatile peroxidase from <i>Bjerkandera</i> sp. R1	Taboada-Puig R., Lu-Chau T.A., Moreira M.T., Feijoo G., Lema J.M.	Applied Biochemistry and Biotechnology	8
1319	2013	Removal of pharmaceuticals by membrane bioreactor (MBR) technology	Reif R., Omil F., Lema J.M.	Comprehensive Analytical Chemistry	8
1320	2013	Application of System Dynamics technique to simulate the fate of persistent organic pollutants in soils	Chaves R., Lopez D., Macias F., Casares J., Monterroso C.	Chemosphere	8
1321	2012	Denitrifying activity via nitrite and N <sub>2</sub> O production using acetate and swine wastewater	Belmonte M., Vazquez-Padin J.R., Figueroa M., Campos J.L., Mendez R., Vidal G., Mosquera-Corral A.	Process Biochemistry	8
1322	2012	Trends of rural tropospheric ozone at the Northwest of the Iberian Peninsula	Saavedra S., Rodriguez A., Souto J.A., Casares J.J., Bermudez J.L., Soto B.	The Scientific World Journal	8

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1324	2011	[Wettability study and surface characterization by confocal laser scanning microscopy of rotary-peeled wood veneers, Estudio del mojado y caracterización superficial por microscopía de barrido laser confocal de chapas de madera obtenidas por desenrollo]	Vazquez G., Galinanes C., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	Maderas: Ciencia y Tecnologia	8
1325	2011	Kinetic modelling of the sequential production of lactic acid and xylitol from vine trimming wastes	Garcia-Dieguez C., Salgado J.M., Roca E., Dominguez J.M.	Bioprocess and Biosystems Engineering	8
1326	2010	Fate and removal of pharmaceuticals and personal care products (PPCPs) in a conventional activated sludge treatment process	Suarez S., Omil F., Lema J.M.	WIT Transactions on Ecology and the Environment	8
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1330	2007	Isobaric vapor-liquid equilibria of 1,1-dimethylethoxy-butane + methanol or ethanol + water at 101.32 kPa	Arce A., Arce Jr. A., Martinez-Ageitos J.M., Soto A.	Fluid Phase Equilibria	8
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1340	1997	Acute toxicity of hardboard mill effluents to different bioindicators	Leal H.E., Rocha H.A., Lema J.M.	Environmental Toxicology and Water Quality	8
1341	1997	Phase equilibria of water + methanol + hexy acetate mixtures	Arce A., Blanco A., Soto A., Vidal I.	Fluid Phase Equilibria	8
1342	1995	Hydrolysis of microcrystalline cellulose by cellulolytic complex of <i>Trichoderma reesei</i> in low-moisture media	Sineiro J., Dominguez H., Nunez M.J., Lema J.M.	Enzyme and Microbial Technology	8
1343	1994	Effective interfacial area in the presence of induced turbulence	Vazquez G., Antorrena G., Navaza J.M., Santos V.	International chemical engineering	8
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1346	1989	Analysis and evaluation of a wastewater treatment plant model by stochastic optimization	Casares J.J., Rodriguez J.	Applied Mathematical Modelling	8
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1351	2021	Mainstream anammox reactor performance treating municipal wastewater and batch study of temperature, pH and organic matter concentration cross-effects	Pedrouso A., Val del Rio A., Morales N., Vazquez-Padin J.R., Campos J.L., Mosquera-Corral A.	Process Safety and Environmental Protection	7
1352	2020	Models for estimating daily photosynthetically active radiation in oceanic and mediterranean climates and their improvement by site adaptation techniques	Ferrera-Cobos F., Vindel J.M., Valenzuela R.X., Gonzalez J.A.	Advances in Space Research	7
1353	2019	Extraction and characterization of phlorotannin-enriched fractions from the Atlantic seaweed <i>Bifurcaria bifurcata</i> and evaluation of their cytotoxic activity in murine cell line	Goncalves-Fernandez C., Sineiro J., Moreira R., Gualillo O.	Journal of Applied Phycology	7
1354	2018	Ionic Liquids Derived from Proline: Application as Surfactants	Fernandez-Stefanuto V., Corchero R., Rodriguez-Escontrela I., Soto A., Tojo E.	ChemPhysChem	7
1355	2018	Bottom-up approach in the assessment of environmental impacts and costs of an innovative anammox-based process for nitrogen removal	Arias A., Salim I., Pedrouso A., Morales N., Mosquera-Corral A., Vazquez-Padin J.R., Rogalla F., Feijoo G., Moreira M.T.	Journal of Environmental Management	7
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1360	2016	Production of poly(3-hydroxybutyrate) by simultaneous saccharification and fermentation of cereal mash using <i>Halomonas boliviensis</i>	Garcia-Torreiro M., Lopez-Abelairas M., Lu-Chau T.A., Lema J.M.	Biochemical Engineering Journal	7
1361	2016	Review of lignocellulolytic enzyme activity analyses and scale-down to microplate-based assays	Mansour A.A., Da Costa A., Arnaud T., Lu-Chau T.A., Fdz-Polanco M., Moreira M.T., Cacho Rivero J.A.	Talanta	7
1362	2015	Coupling extraction and enzyme catalysis for the removal of anthracene present in polluted soils	Arca-Ramos A., Eibes G., Feijoo G., Lema J.M., Moreira M.T.	Biochemical Engineering Journal	7
1363	2015	Characterization of MIPA and DIPA aqueous solutions in relation to absorption, speciation and degradation	Lopez A.B., La Rubia M.D., Navaza J.M., Pacheco R., Gomez-Diaz D.	Journal of Industrial and Engineering Chemistry	7

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1365	2013	Static structure, microscopic dynamics and electronic properties of the liquid Bi-Li alloy. An ab initio molecular dynamics study	Souto J., Alemany M.M.G., Gallego L.J., Gonzalez L.E., Gonzalez D.J.	Modelling and Simulation in Materials Science and Engineering	7
1366	2013	pH variation and influence in an autotrophic nitrogen removing biofilm system using an efficient numerical solution strategy	Vangsgaard A.K., Mauricio-Iglesias M., Valverde-Perez B., Gernaey K.V., Sin G.	Water Science and Technology	7
1367	2013	Effects of the cycle distribution on the performance of SBRs with aerobic granular biomass	Val Del Rio A., Morales N., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Environmental Technology (United Kingdom)	7
1368	2013	Refractive indices, excess molar volumes and isentropic compressibilities of the mixture of ethanol + n-hexane + n-nonane in function of the temperature	Blanco A., Gayol A., Gomez D., Navaza J.M.	Physics and Chemistry of Liquids	7
1369	2011	Application of biofilm reactors to improve ammonia oxidation in low nitrogen loaded wastewater	Seca I., Torres R., Val Del Rio A., Mosquera-Corral A., Campos J.L., Mendez R.	Water Science and Technology	7
1370	2009	Regioselective synthesis of monoepoxides from terpenic diolefins over alumina at high temperature and pressure	Uguina M.A., Delgado J.A., Carretero J., Gomez-Diaz D., Rodriguez G.	Industrial and Engineering Chemistry Research	7
1371	2009	Mixing properties of tris(2-hydroxyethyl)methylammonium methylsulfate, water, and methanol at 298.15 K. Data treatment using several correlation equations	Arce A., Soto A., Ortega J., Sabater G.	Journal of Chemical Thermodynamics	7
1372	2008	Influence of mixing and temperature on the rheological properties of carboxymethyl cellulose/ $\kappa$ -carrageenan mixtures	Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.C.	European Food Research and Technology	7
1373	2006	Applicability of NIR spectroscopy to determine oil and other physicochemical parameters in Rosa mosqueta and Chilean hazelnut	Franco D., Nunez M.J., Pinelo M., Sineiro J.	European Food Research and Technology	7
1374	2005	Isobaric vapor-liquid equilibria for systems composed by 2-ethoxy-2-methylbutane, methanol or ethanol and water at 101.32 kPa	Arce A., Arce Jr. A., Rodil E., Soto A.	Fluid Phase Equilibria	7
1375	2005	Conductivity of sodium bis(2-ethylhexyl)sulfosuccinate + isooctane + water microemulsions containing phase-transfer catalysts. 3	Dasilva-Carvalho J., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	7
1376	2003	A novel titrimetric method for monitoring toxicity on nitrifying biofilms	Artiga P., Oyanedel V., Garrido J.M., Mendez R.	Water Science and Technology	7

1377	2002	The ternary system propyl propanoate+hexane+chlorobenzene at 298.15 K excess molar enthalpies	Freire S., Segade L., Garcia-Garabal S., Jimenez de Llano J., Dominguez M., Jimenez E.	Journal of Thermal Analysis and Calorimetry	7
1378	2000	Conductivity of sodium bis(2-ethylhexyl)sulfosuccinate/isooctane/water microemulsions containing phase-transfer catalysts	Alvarez E., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Navaza J.M., Perez-Juste J.	Journal of Chemical and Engineering Data	7
1379	1998	Use of physical properties for compositional analysis of ternary mixtures. Application to mixtures of 2-methoxy-2-methylbutane, methanol, and 2,2,4-trimethylpentane or methylcyclohexane	Arce A., Blanco M., Rodil E., Soto A., Vieitez J.A.	Journal of Solution Chemistry	7
1380	1988	Liquid-liquid equilibria of the system water + acetic acid + methyl propyl ketone	Bianco A., Correa J.M., Arce A., Correa A.	The Canadian Journal of Chemical Engineering	7
1381	2021	Integrating life cycle assessment and life cycle cost: a review of environmental-economic studies	Franca W.T., Barros M.V., Salvador R., de Francisco A.C., Moreira M.T., Piekarski C.M.	International Journal of Life Cycle Assessment	6
1382	2021	Cometabolic removal of organic micropollutants by enriched nitrite-dependent anaerobic methane oxidizing cultures	Martinez-Quintela M., Arias A., Alvarino T., Suarez S., Garrido J.M., Omil F.	Journal of Hazardous Materials	6
1383	2020	Linking organic matter removal and biogas yield in the environmental profile of innovative wastewater treatment technologies	Arias A., Feijoo G., Moreira M.T.	Journal of Cleaner Production	6
1384	2020	Fostering environmental awareness towards responsible food consumption and reduced food waste in chemical engineering students	Feijoo G., Moreira M.T.	Education for Chemical Engineers	6
1385	2020	Recovery of the ionic liquids [C2mim][OAc] or [C2mim][SCN] by distillation from their binary mixtures with methanol or ethanol	Wojtczuk M.K., Caeiro N., Rodriguez H., Rodil E., Soto A.	Separation and Purification Technology	6
1386	2020	Unravelling the environmental and economic impacts of innovative technologies for the enhancement of biogas production and sludge management in wastewater systems	Arias A., Behera C.R., Feijoo G., Sin G., Moreira M.T.	Journal of Environmental Management	6
1387	2020	Glycosyl squaramides, a new class of supramolecular gelators	Ramos J., Arufe S., Martin H., Rooney D., Elmes R.B.P., Erleben A., Moreira R., Velasco-Torrijos T.	Soft Matter	6
1388	2020	Turning waste management into a carbon neutral activity: Practical demonstration in a medium-sized European city	Fernandez-Brana A., Feijoo G., Dias-Ferreira C.	Science of the Total Environment	6
1389	2020	Life cycle assessment of autochthonous varieties of wheat and artisanal bread production in Galicia, Spain	Camara-Salim I., Almeida-Garcia F., Gonzalez-Garcia S., Romero-Rodriguez A., Ruiz-Nogueiras B., Pereira-Lorenzo S., Feijoo G., Moreira M.T.	Science of the Total Environment	6
1390	2019	Modeling and optimizing the solid-liquid extraction of phenolic compounds from lignocellulosic subproducts	Xavier L., Freire M.S., Gonzalez-Alvarez J.	Biomass Conversion and Biorefinery	6

1391	2019	Cross-country comparison on environmental impacts of particleboard production in Brazil and Spain	Gonzalez-Garcia S., Ferro F.S., Lopes Silva D.A., Feijoo G., Lahr F.A.R., Moreira M.T.	Resources, Conservation and Recycling	6
1392	2019	Environmental implications of biohydrogen based energy production from steam reforming of alcoholic waste	Cortes A., Feijoo G., Chica A., Da Costa-Serra J.F., Moreira M.T.	Industrial Crops and Products	6
1393	2018	Environmental Life Cycle Assessment of industrial pine roundwood production in Brazilian forests	Ferro F.S., Silva D.A.L., Icimoto F.H., Lahr F.A.R., Gonzalez-Garcia S.	Science of the Total Environment	6
1394	2018	A novel enzyme catalysis reactor based on superparamagnetic nanoparticles for biotechnological applications	Moldes-Diz Y., Eibes G., Vazquez-Vazquez C., Fondado A., Mira J., Feijoo G., Lema J.M., Moreira M.T.	Journal of Environmental Chemical Engineering	6
1395	2018	Influence of organic co-solvents upon carbon dioxide chemical absorption	Gomez-Diaz D., Lopez M., Navaza J.M., Villarquide L.	Journal of the Taiwan Institute of Chemical Engineers	6
1396	2018	A simplified approach to determine the carbon footprint of a region: Key learning points from a Galician study	Roibas L., Loiseau E., Hospido A.	Journal of Environmental Management	6
1397	2018	Carbon dioxide chemical absorption by solvents based on diamine and amines blend	Cachaza A., Gomez-Diaz D., Montans A., Navaza J.M., Rumbo A.	AIChE Journal	6
1398	2018	The relevance of supply chain characteristics in GHG emissions: The carbon footprint of Maltese juices	Roibas L., Rodriguez-Garcia S., Valdramidis V.P., Hospido A.	Food Research International	6
1399	2017	Fuel consumption and GHG emissions of forest biomass supply chains in Northern Sweden: a comparison analysis between integrated and conventional supply chains	de la Fuente T., Gonzalez-Garcia S., Athanassiadis D., Nordfjell T.	Scandinavian Journal of Forest Research	6
1400	2016	Towards sustainable systems configurations: Application to an existing fish and seafood canning industry	Taboada Gomez M.C., Magan Iglesias A., Torres Lopez R., Bello Bugallo P.M.	Journal of Cleaner Production	6
1401	2016	Correlation of three-liquid-phase equilibria involving ionic liquids	Rodriguez-Escontrela I., Arce A., Soto A., Marcilla A., Olaya M.M., Reyes-Labarta J.A.	Physical Chemistry Chemical Physics	6
1402	2015	Optimizing upflow velocity and calcium precipitation in denitrifying granular systems	Val Del Rio A., Buys B., Campos J.L., Mendez R., Mosquera-Corral A.	Process Biochemistry	6
1403	2014	Optimization of Improvable Flows by combining BAT Analysis and process simulation	Cristobal Andrade L., Bernal Pampin M.A., Taboada Gomez M.C., Bello Bugallo P.M.	Chemical Engineering Research and Design	6
1404	2014	Application of ecodesign methodology in SMEs run according to lean management: The case of a furniture publishing company	Gonzalez-Garcia S., Salinas-Mafias L., Garria-Lozano R., Gabarrell X., Rieradevall J., Feijoo G., Moreira M.T.	Environmental Engineering and Management Journal	6



1405	2014	Simulation of plume dispersion using different stack configurations and meteorological inputs	Souto J.A., Moral C., Rodriguez A., Saavedra S., Casares J.J., Hernandez-Garces A.	International Journal of Environment and Pollution	6
1406	2013	Curing kinetics of diglycidyl ether of bisphenol-A (n = 0) using an iron-containing porphyrin as cross-linking agent	Vazquez E.C., Fraga F., Martinez-Ageitos J.M., Tato J.V.	Journal of Applied Polymer Science	6
1407	2013	Coupling WRF and CALMET Models: Validation During Primary Pollutants glc Episodes in an Atlantic Coastal Region	Hernandez A., Saavedra S., Rodriguez A., Souto J.A., Casares J.J.	NATO Science for Peace and Security Series C: Environmental Security	6
1408	2013	Hydrodynamic and absorption studies of carbon dioxide absorption in aqueous amide solutions using a bubble column contactor	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Brazilian Journal of Chemical Engineering	6
1409	2013	Temperature dependence of thermophysical properties of ethanol + n-hexane + n-heptane	Blanco A., Gayol A., Gomez D., Navaza J.M.	Physics and Chemistry of Liquids	6
1410	2013	Sustainability of port activities within the framework of the fisheries sector: Port of Vigo (NW Spain)	Lopes C., Antelo L.T., Franco-Uria A., Botana C., Alonso A.A.	Ecological Indicators	6
1411	2013	H15-313: Evaluation of the PRESAXIO air quality forecasting system: PBL schemes WRF comparison and air quality modeling validation	Souto J.A., Saavedra S., Rodriguez A., Dios M., Cartelle D., Vellon J.M.	Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013	6
1412	2012	Thermophysical properties of the ternary mixture ethanol + n-hexane + n-octane in function of the temperature	Blanco A., Gayol A., Gomez-Diaz D., Navaza J.M.	Physics and Chemistry of Liquids	6
1413	2012	Use of organic byproducts as binders in the roll compaction of caustic magnesita	Garcia-Trinanes P., Morgeneyer M., Casares J.J., Bao M.	Powder Technology	6
1414	2012	A mixed top-down and bottom-up methodology in spatial segregation of emissions based on GIS tools	Dios M., Souto J.A., Casares J.J., Gallego N., Saez A., Macho M.L., Cartelle D., Vellon J.M.	WIT Transactions on Ecology and the Environment	6
1415	2011	Evaluation of deammonification process by response surface models	Fernandez I., Plaza E., Trela J., Hultman B., Mendez R.	Water, Air, and Soil Pollution	6
1416	2009	Carbon dioxide absorption to rheologically complex liquid phases	Gomez-Diaz D., Navaza J.M.	Chemical Engineering Journal	6
1417	2009	Quantification of eutrophic aerial compounds in Galicia (NW Spain): Part 1 - NH3 inventory	Gallego A., Hospido A., Moreira M.T., Feijoo G.	Atmosfera	6

1418	2009	Comparative study between a hybrid system and a biofilm system for the treatment of ammonia and organic matter in wastewaters	Oyanedel-Craver V., Lazarova V., Garrido J.M., Mendez R.	Journal of Environmental Engineering	6
1419	2009	Population dynamics of nitrite oxidizers in nitrifying granules	Vazquez-Padin J.R., Figueroa M., Mosquera-Corral A., Campos J.L., Mendez R.	Water Science and Technology	6
1420	2008	Treatment of low and medium strength sewage in a lab-scale gradual concentric chambers (GCC) reactor	Mendoza L., Carballa M., Zhang L., Verstraete W.	Water Science and Technology	6
1421	2006	[Membrane bioreactor: An advanced technology for the treatment and reuse of waste waters, Biorreactores de membrana: Una tecnología avanzada para la depuración y reutilización de aguas residuales]	Artiga Acuna P., Garcia-Toriello Romero G., Garrido Fernandez J.M., Mendez Pampin R.	Tecnología del Agua	6
1422	2005	Anaerobic digestion process parameter identification and marginal confidence intervals by multivariate steady state analysis and bootstrap	Ruiz G., Castellano M., Gonzalez W., Roca E., Lema J.M.	Computer Aided Chemical Engineering	6
1423	2003	Effect of composition and temperature upon density, viscosity, surface tension, and refractive index of 2,2,4-trimethylpentane + cyclohexane + decane ternary liquid systems	Gomez-Diaz D., Mejuto J.C., Navaza J.M., Rodriguez-Alvarez A.	Journal of Chemical and Engineering Data	6
1424	2002	Influence of pulsation on start-up of UASB reactors.	Franco A., Gresia G., Roca E., Rozzi A., Lema J.M.	Water science and technology : a journal of the International Association on Water Pollution Research	6
1425	2002	Preliminary studies on TCF bleaching of Pinus pinaster acetosolv pulps	Vazquez G., Gonzalez-Alvarez J., Rodriguez E.M., Freire S., Antorrena G.	Bioresource Technology	6
1426	2001	Thermophysical properties for 1-butanol+ethanol+2-methoxy-2-methylbutane ternary system	Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Fluid Phase Equilibria	6
1427	1998	[Influence of the enzymatic treatment on the quality of vegetable oils, Influencia del tratamiento enzimático en la calidad de aceites vegetales]	Sineiro J., Dominguez H., Nunez M.J.	Grasas y Aceites	6
1428	1997	[Development of sulphidogenic biomass during the anaerobic treatment of water with high content in sulphate in granular sludge anaerobe reactors, Desarrollo de biomasa sulfurogénica durante el tratamiento anaerobio de aguas con alto contenido en sulfato en reactores anaerobios de lodos granulares]	Omil F., Visser A., Hulshoff Pol L.W., Lettinga G.	Afinidad	6

1429	1997	Prediction of the acidity of effluent from fluegas scrubbers using seawater	Baalina A., Rodriguez E., Santaballa J.A., Arce A.	Environmental Technology (United Kingdom)	6
1430	1997	[Viscosity of Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> , Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> -Na <sub>2</sub> SO <sub>4</sub> and Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> -NaCl solutions at different concentrations and temperatures, Viscosidad de disoluciones acuosas de Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> , Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> -Na <sub>2</sub> SO <sub>4</sub> y Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> -NaCl a diferentes concentraciones y temperaturas]	Chenlo F., Moreira R., Pereira G., Vazquez Ma.J.	Afinidad	6
1431	1995	[Aqueous processing of soya beans with enzymatic technology: Oil extraction and production of isolates, Procesado acuoso de soja con tecnología enzimática: Extracción de aceite y producción de aislados]	Dominguez H., Nunez M.J., Lema J.M.	Grasas y Aceites	6
1432	1994	A double-feed anaerobic filter for the treatment of high strength wastewaters	Veiga M.C., Pan M., Blazquez R., Mendez R., Lema J.M.	Biotechnology Techniques	6
1433	1994	Meteorological and atmospheric diffusion modelling for air pollution forecasting	Souto J.A., Perez-Munuzuri V., Ludwig F.L., Casares J.J.	Computer techniques in environmental studies V. Vol. I: pollution modeling	6
1434	1990	Design and operation of anaerobic digesters using multi-objective optimization criteria	Videla S., Chamy R., Navarrete E., Lema J.M.	Journal of Chemical Technology & Biotechnology	6
1435	2022	Understanding phenolic acids inhibition of $\alpha$ -amylase and $\alpha$ -glucosidase and influence of reaction conditions	Aleixandre A., Gil J.V., Sineiro J., Rosell C.M.	Food Chemistry	5
1436	2021	Recent developments in bio-based adhesives from renewable natural resources	Arias A., Gonzalez-Rodriguez S., Vetrone Barros M., Salvador R., de Francisco A.C., Moro Piekarski C., Moreira M.T.	Journal of Cleaner Production	5
1437	2021	Heterotrophic enzymatic biotransformations of organic micropollutants in activated sludge	Kennes-Veiga D.M., Vogler B., Fenner K., Carballa M., Lema J.M.	Science of the Total Environment	5
1438	2021	Environmental benefits of soy-based bio-adhesives as an alternative to formaldehyde-based options	Arias A., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Environmental Science and Pollution Research	5
1439	2021	Pursuing the route to eco-efficiency in dairy production: The case of Galician area	Cortes A., Feijoo G., Fernandez M., Moreira M.T.	Journal of Cleaner Production	5
1440	2021	Steering the conversion of protein residues to volatile fatty acids by adjusting pH	Bevilacqua R., Regueira A., Mauricio-Iglesias M., Lema J.M., Carballa M.	Bioresource Technology	5
1441	2021	Environmental profile of the municipality of Madrid through the methodologies of Urban Metabolism and Life Cycle Analysis	Gonzalez-Garcia S., Caamano M.R., Moreira M.T., Feijoo G.	Sustainable Cities and Society	5

1442	2020	Identification of environmental aspects of citrus waste valorization into D-limonene from a biorefinery approach	Santiago B., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Biomass and Bioenergy	5
1443	2020	Separation of Linalool from Limonene via Extractive Distillation with 1-Butyl-3-methylimidazolium Acetate as Entrainer	Ganem F., Mattedi S., Rodil E., Soto A.	Industrial and Engineering Chemistry Research	5
1444	2020	Analysis of spatial and temporal variability of the PAR/GHI ratio and PAR modeling based on two satellite estimates	Ferrera-Cobos F., Vindel J.M., Valenzuela R.X., Gonzalez J.A.	Remote Sensing	5
1445	2019	Looking beyond the banning of lightweight bags: analysing the role of plastic (and fuel) impacts in waste collection at a Portuguese city	Fernandez-Brana A., Feijoo-Costa G., Dias-Ferreira C.	Environmental Science and Pollution Research	5
1446	2019	Effect of copper and different carbon and nitrogen sources on the decolorization of an industrial dye mixture under solid-state fermentation	Merino A., Eibes G., Hormaza A.	Journal of Cleaner Production	5
1447	2019	Carbon dioxide chemical absorption in non-aqueous solvents by the presence of water	Brea U., Gomez-Diaz D., Navaza J.M., Rumbo A.	Journal of the Taiwan Institute of Chemical Engineers	5
1448	2019	Determination of thermal transitions of gluten-free chestnut flour doughs enriched with brown seaweed powders and antioxidant properties of baked cookies	Arufe S., Sineiro J., Moreira R.	Heliyon	5
1449	2019	An optimised control system to steer the transition from anaerobic mono- to co-digestion in full-scale plants	Taboada-Santos A., Carballa M., Morales N., Vazquez-Padin J.R., Gutierrez R., Lema J.M.	Environmental Science: Water Research and Technology	5
1450	2019	Development of a novel magnetic reactor based on nanostructured Fe <sub>3</sub> O <sub>4</sub> @PAA as heterogenous fenton catalyst	Gamallo M., Fernandez L., Vazquez-Vazquez C., Fondado A., Mira J., Feijoo G., Moreira M.T.	Catalysts	5
1451	2019	Potential impact on the recruitment of chemical engineering graduates due to the industrial internship	Feijoo G., Arce A., Bello P., Carballa M., Freire M.S., Garrido J.M., Gomez-Diaz D., Gonzalez-Alvarez J., Gonzalez-Garcia S., Mauricio M., Mendez R., Moreira M.T., Mosquera-Corral A., Navaza J.M., Palacios M.C., Roca E., Rodil E., Rodriguez H., Rodriguez O., Sineiro J., Soto A., Torres M.D., Moreira R.	Education for Chemical Engineers	5
1452	2018	Density, Speed of Sound, Viscosity, and Surface Tension of Hexamethylenetetramine Aqueous Solutions from T = (293.15 to 323.15) K	Gomez-Diaz D., Navaza J.M., Rumbo A.	Journal of Chemical and Engineering Data	5
1453	2018	Feasible microbial accumulation of triacylglycerides from crude glycerol	Fra-Vazquez A., Pedrouso A., Palmeiro-Sanchez T., Moralejo-Garate H., Mosquera-Corral A.	Journal of Chemical Technology and Biotechnology	5
1454	2018	Education of chemical engineering in Spain: A global picture	Feijoo G., Ibanez R., Herguido J., Partal P., Tobajas M., Sempere J., Lopez-Perez M.F., Rivero M.J.	Education for Chemical Engineers	5

1455	2018	Evaluation of a low-cost magnesium product for phosphorus recovery by struvite crystallization	Crutchik D., Rodrigues S., Ruddle D., Garrido J.M.	Journal of Chemical Technology and Biotechnology	5
1456	2018	Development of a Superparamagnetic Laccase Nanobiocatalyst for the Enzymatic Biotransformation of Xenobiotics	Moldes-Diz Y., Gamallo M., Eibes G., Vargás-Osorio Z., Vázquez-Vázquez C., Feijoo G., Lema J.M., Moreira M.T.	Journal of Environmental Engineering (United States)	5
1457	2018	Performance of a hybrid membrane bioreactor treating a low strength and alkalinity wastewater	Silva-Teira A., Vázquez-Padin J.R., Weiler R., Fernández-González R., Rogalla F., Garrido J.M.	Process Biochemistry	5
1458	2018	Simultaneous valorization and detoxification of the hemicellulose rich liquor from the organosolv fractionation	García-Torreiro M., Martínez-Patino J.C., Gullón B., Lu-Chau T.A., Moreira M.T., Lema J.M., Eibes G.	International Biodeterioration and Biodegradation	5
1459	2018	Air drying modelling of <i>Mastocarpus stellatus</i> seaweed a source of hybrid carrageenan	Arufe S., Torres M.D., Chenlo F., Moreira R.	Heat and Mass Transfer/Waerme- und Stoffuebertragung	5
1460	2017	Recovery of Phenolic Compounds from Eucalyptus globulus Wood Wastes using PEG/phosphate Aqueous Two-Phase Systems	Xavier L., Freire M.S., Vidal-Tato I., González-Alvarez J.	Waste and Biomass Valorization	5
1461	2017	Application of flow cytometry for monitoring the production of poly(3-hydroxybutyrate) by <i>Halomonas boliviensis</i>	García-Torreiro M., López-Abelairas M., Lu-Chau T.A., Lema J.M.	Biotechnology Progress	5
1462	2016	Selective aliphatic/aromatic organogelation controlled by the side chain of serine amphiphiles	Ramos J., Arufe S., O'Flaherty R., Rooney D., Moreira R., Velasco-Torrijos T.	RSC Advances	5
1463	2015	UV protection effects of phenolic extracts from chestnut fruit and forest industries residues	Galinanes C., Freire M.S., González-Alvarez J.	European Journal of Wood and Wood Products	5
1464	2015	Rheology and modelling of aqueous gum solutions commonly used in the food industry	Torres M.D., Vázquez-Vila M.J., Pereira-González G.	International Journal of Food Science and Technology	5
1465	2015	Strategies to minimize the release of endotoxins in effluents from sewage treatment plants	Barcon T., Alvarino T., Gómez M., Omil F.	Environmental Progress and Sustainable Energy	5
1466	2015	Membrane reactors for bioethanol production and processing	Hai F.I., Fattah K.P., Saroj D.P., Moreira M.T.	Membrane Reactors for Energy Applications and Basic Chemical Production	5
1467	2015	State Estimation in Fermentation of Lignocellulosic Ethanol. Focus on the Use of pH Measurements	Mauricio-Iglesias M., Gernaey K.V., Huusom J.K.	Computer Aided Chemical Engineering	5

1468	2013	Operational strategies for producing bioethanol in a continuous single-stage reactor	Lopez-Abelairas M., Pena R., Fleischhacker L., Lu-Chau T.A., Lema J.M.	Bioprocess and Biosystems Engineering	5
1469	2013	Oxygen absorption in polymer+surfactant aqueous solutions	Garcia-Abuin A., Gomez-Diaz D., Losada M., Navaza J.M.	Chemical Engineering Journal	5
1470	2012	Density, speed of sound, and viscosity of n -methyl-2-pyrrolidone + ethanolamine + water from T = (293.15 to 323.15) K	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	5
1471	2010	Towards sustainable industrial food production using Life Cycle Assessment approaches	Sonesson U., Berlin J., Hospido A.	Environmental Assessment and Management in the Food Industry: Life Cycle Assessment and Related Approaches	5
1472	2009	Treatment of low strength sewage with high suspended organic matter content in an anaerobic sequencing batch reactor and modeling application	Donoso-Bravo A., Carballa M., Ruiz-Filippi G., Chamy R.	Electronic Journal of Biotechnology	5
1473	2009	Quantification of eutrophic aerial compounds in Galicia (NW Spain): Part 2 - NOx inventory	Gallego A., Hospido A., Moreira M.T., Feijoo G.	Atmosfera	5
1474	2009	Evaluation of in-situ sludge reduction technologies for wastewater treatment plants	Campos J.L., Figueroa M., Vazquez-Padin J.R., Mosquera-Corral A., Roca E., Mendez R.	Sludge: Types, Treatment Processes and Disposal	5
1475	2009	[Dehydration kinetics of carrots ( <i>Daucus carota</i> L.) in osmotic and air convective drying processes, Cinéticas de la deshidratación de zanahorias ( <i>Daucus carota</i> L.) en procesos osmóticos y de secado convectivo con aire]	Vazquez-Vila M.J., Chenlo-Romero F., Moreira-Martinez R., Pacios-Penelas B.	Spanish Journal of Agricultural Research	5
1476	2009	Saga: A decision support system for air pollution management around a coal-fired power plant	Souto J.A., Hermida M., Casares J.J., Bermudez J.L.	International Journal of Environment and Pollution	5
1477	2007	Physical properties of (propyl propanoate + hexane + toluene) at 298.15 K	Freire S., Segade L., Cabeza O., Jimenez E.	Journal of Chemical Thermodynamics	5
1478	2007	Comparative study of the physical aging of the epoxy systems BADGE n = 0/m-XDA and BADGE n = 0/m-XDA/PEI	Fraga F., Payo P., Rodriguez-Nunez E., Martinez-Ageitos J.M., Castro-Diaz C.	Journal of Applied Polymer Science	5
1479	2006	Effect of formulation variables on the prediction of release from microparticles with experimental design	Luzardo-Alvarez A., Almeida-Prieto S., Fraga-Lopez F., Otero-Espinar F., Rodriguez-Nunez E., Martinez-Ageitos J., Blanco-Mendez J.	Journal of Applied Polymer Science	5
1480	2005	Gas/liquid mass transfer processes in a carbon dioxide/alkane system	Gomez-Diaz D., Navaza J.M.	Journal of Chemical Technology and Biotechnology	5

1481	2005	Kinetic analysis of relaxation process for the epoxy network diglycidyl ether of bisphenol A/m-xylylenediamine	Fraga F., Castro-Diaz C., Rodriguez-Nunez E., Martinez-Ageitos J.M.	Journal of Applied Polymer Science	5
1482	2005	Viscosimetric study of aqueous solutions of glucosamine and its mixtures with glucose	Gomez-Diaz D., Navaza J.M.	Journal of Food Engineering	5
1483	2004	Physicochemical, functional and structural characterization of fibre from defatted Rosa rubiginosa and Gevuina avellana seeds	Moure A., Dourado F., Sineiro J., Gama F.M., Dominguez H.	Journal of the Science of Food and Agriculture	5
1484	2004	Control of solids uptake by convective drying prior to osmotic processing of foods	Moreira R., Sereno A.M.	Drying Technology	5
1485	2004	Anaerobic and aerobic continuous cultures of Saccharomyces cerevisiae: Comparison of plasmid stability and EXG1 gene expression	Lu-Chau T.A., Guillan A., Nunez M.J., Roca E., Lema J.M.	Bioprocess and Biosystems Engineering	5
1486	2003	The effect of the limited availability of H2O2 in the competitive deposition of sulfur and oxidized nitrogen	Mendez M.R., Souto J.A., Casares J.J., Lucas T., Carmichael G.R.	Chemosphere	5
1487	2003	Tannery wastewater treatment: Comparison between SBR and MSBR	Martinez J.M., Goitara A., Mendez R.	Water Science and Technology: Water Supply	5
1488	2003	Improvement of the properties of granular sludge in UASB reactors by flow pulsation	Franco A., Roca E., Lema J.M.	Water Science and Technology	5
1489	2002	[Effect of Co <sup>2+</sup> in the delignification of Kraft paste by Phanerochaete chrysosporium, Efecto del Co <sup>2+</sup> en la delignificación de pasta Kraft por Phanerochaete chrysosporium]	Feijoo G., Moreira M.T., Lema J.M.	Afinidad	5
1490	2002	Effect of heavy metals on the degradative activity by wood-rotting fungi	Yonni F., Fasoli H.J., Roca E., Feijoo G.	Bulletin of Environmental Contamination and Toxicology	5
1491	2002	Characterization of Eucalyptus globulus and Pinus pinaster acetosolv pulps prebleached with O <sub>2</sub> by FTIR and DRIFT spectroscopy	Vazquez G., Gonzalez J., Freire S., Antorrena G.	Holz als Roh - und Werkstoff	5
1492	2002	Development of a limited-area model for operational weather forecasting around a power plant: The need for specialized forecasts	Balseiro C.F., Souto M.J., Penabad E., Souto J.A., Perez-Munuzuri V.	Journal of Applied Meteorology	5
1493	2001	Theoretical prediction of the mass transfer coefficients in bubble columns operating in churn-turbulent flow regime. Study in Newtonian and non-Newtonian fluids under different operation conditions	Alvarez E., Correa J.M., Navaza J.M., Riverol C.	Heat and Mass Transfer/Waerme- und Stoffuebertragung	5
1494	2001	Conductivity of sodium bis(2-ethylhexyl)sulfosuccinate/isooctane/water microemulsions containing phase-transfer catalysts. 2	Alvarez E., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	5

1495	2000	[Development of a combined system for the elimination of carbon and nitrogen from waste waters in the fish industry, Desarrollo de un sistema combinado para la eliminación de carbono y nitrógeno de aguas residuales de la industria de conservas de pescado]	Corral A.M., Pampin R.M., Lema J.M.	Afinidad	5
1496	2000	Experimental analysis of a mechanically stirred spouted bed dryer	Reyes A., Vidal I.	Drying Technology	5
1497	2000	Injection of steam into the mashing process as alternative method for the temperature control and low-cost of production	Alvarez E., Correa J.M., Navaza J.M., Riverol C.	Journal of Food Engineering	5
1498	2000	Treatment of methanol in a dry biofilm reactor using tubular carrier	Thalasso F., Omil F., Otero J.O., Lema J.M.	Water Science and Technology	5
1499	1999	Effect of temperature on the electrical conductivity of sodium bis(2-ethylhexyl)sulfosuccinate + 2,2,4-trimethylpentane + water microemulsions. Influence of alkylamines	Alvarez E., Garcia-Rio L., Mejuto J.C., Navaza J.M., Perez-Juste J., Rodriguez-Dafonte P.	Journal of Chemical and Engineering Data	5
1500	1998	Viscosities of aqueous solutions of Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> containing NaNO <sub>3</sub> , KNO <sub>3</sub> , NaBr, or KBr from 293.1 to 323.1 K	Chenlo F., Moreira R., Pereira G., Vazquez M.J.	Journal of Chemical and Engineering Data	5
1501	1997	[Influence of concentration and temperature in the viscosity of aqueous solutions of Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> + KCl and Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> + K <sub>2</sub> SO <sub>4</sub> , Influencia de la concentración y de la temperatura en la viscosidad de disoluciones acuosas de Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> + KCl y Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> + K <sub>2</sub> SO <sub>4</sub> ]	Chenlo F., Moreira R., Pereira G., Vazquez M.J.	Afinidad	5
1502	1997	Organic matter removal in boiler feed water treatment of a power plant with ozone	Rico B., Perez D., Lema J.M., Lucas T.	Ozone: Science and Engineering	5
1503	1996	Application of short and 24 hours air pollution forecasting around a power plant	Souto J.A., Perez-Munuzuri V., de Castro M., Casares J.J., Abadia J.	International Conference on Air Pollution - Proceedings	5
1504	1996	Acidity of effluent from inert gas systems using seawater scrubbing	Baalina A., Rodriguez E., Santaballa J.A., Arce A.	Environmental Technology (United Kingdom)	5
1505	1996	Terrain-induced focusing of wind fields in the mesoscale	Perez-Munuzuri V., Souto M.J., Casares J., Perez-Villar V.	Chaos, Solitons and Fractals	5
1506	1990	The ethanol tolerance of pichia stipitis Y-7124 studied by microcalorimetry	Regueira L.- N., Gomez-Orellana I., Pena N.B., Chamy R., Lema J.M.	Thermochimica Acta	5
1507	1986	Ion-Exchange Equilibria: Study of the Na <sup>+</sup> /Mn <sup>2+</sup> , Na <sup>+</sup> /Ni <sup>2+</sup> , and Na <sup>+</sup> /Cu <sup>2+</sup> Exchanges on Several Lewatit Cation Exchangers	Vazquez G., Arce A., Mendez R., Blazquez R.	Journal of Chemical and Engineering Data	5



1508	2021	Validation of a quantitative image analysis methodology for the assessment of the morphology and structure of aerobic granular sludge in the presence of pharmaceutically active compounds	Leal C., Val del Rio A., Ferreira E.C., Mesquita D., Amaral A.L.	Environmental Technology and Innovation	4
1509	2021	Assessment of an aerobic granular sludge system in the presence of pharmaceutically active compounds by quantitative image analysis and chemometric techniques	Leal C.S., Lopes M., Val del Rio A., Quintelas C., Castro P.M.L., Ferreira E.C., Amaral A.L., Mesquita D.P.	Journal of Environmental Management	4
1510	2021	Evaluating the carbon footprint of a Spanish city through environmentally extended input output analysis and comparison with life cycle assessment	Rama M., Entrena-Barbero E., Dias A.C., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Science of the Total Environment	4
1511	2021	Kinetic and stoichiometric model for the computer-aided design of protein fermentation into volatile fatty acids	Regueira A., Bevilacqua R., Mauricio-Iglesias M., Carballa M., Lema J.M.	Chemical Engineering Journal	4
1512	2021	Is the ammonia stripping pre-treatment suitable for the nitrogen removal via partial nitrification-anammox of OFMSW digestate?	Pichel A., Fra A., Morales N., Campos J.L., Mendez R., Mosquera-Corral A., Val del Rio A.	Journal of Hazardous Materials	4
1513	2021	Reusable $Fe_3O_4/Sb_2S_3$ nanocomposite as an efficient photo-Fenton catalyst for the removal of sulfamethoxazole and orange II	Gonzalez-Rodriguez J., Fernandez L., Vargas-Osorio Z., Vazquez-Vazquez C., Pineiro Y., Rivas J., Feijoo G., Moreira M.T.	Nanomaterials	4
1514	2021	Resource allocation explains lactic acid production in mixed-culture anaerobic fermentations	Regueira A., Rombouts J.L., Wahl S.A., Mauricio-Iglesias M., Lema J.M., Kleerebezem R.	Biotechnology and Bioengineering	4
1515	2021	Benchmarking environmental and economic indicators of sludge management alternatives aimed at enhanced energy efficiency and nutrient recovery	Arias A., Feijoo G., Moreira M.T.	Journal of Environmental Management	4
1516	2021	Recovery of lactose and proteins from cheese whey with poly(ethylene)glycol/sulfate aqueous two-phase systems	Gonzalez-Amado M., Tavares A.P.M., Freire M.G., Soto A., Rodriguez O.	Separation and Purification Technology	4
1517	2021	Environmental and nutritional profile of food consumption patterns in the different climatic zones of Spain	Esteve-Llorens X., Van Dooren C., Alvarez M., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Journal of Cleaner Production	4
1518	2021	Diamine versus amines blend for CO <sub>2</sub> chemical absorption	Gomez-Diaz D., Muniz-Mouro A., Navaza J.M., Rumbo A.	AIChE Journal	4
1519	2020	Iron oxide-mediated photo-Fenton catalysis in the inactivation of enteric bacteria present in wastewater effluents at neutral pH	Fernandez L., Gonzalez-Rodriguez J., Gamallo M., Vargas-Osorio Z., Vazquez-Vazquez C., Pineiro Y., Rivas J., Feijoo G., Moreira M.T.	Environmental Pollution	4
1520	2020	Unraveling the environmental impacts of bioactive compounds and organic amendment from grape marc	Cortes A., Moreira M.T., Dominguez J., Loes M., Feijoo G.	Journal of Environmental Management	4
1521	2020	Tracking the environmental footprints of institutional restaurant service in nursery schools	Gonzalez-Garcia S., Gonzalez-Garcia R., Gonzalez Vazquez L., Moreira M.T., Leis R.	Science of the Total Environment	4
1522	2020	Phase equilibrium for polymer/ionic liquid aqueous two-phase systems	Jimenez Y.P., Freijeiro C.R., Soto A., Rodriguez O.	Fluid Phase Equilibria	4

1523	2020	Environmental profile of decentralized wastewater treatment strategies based on membrane technologies	Arias A., Feijoo G., Moreira M.T.	Current Developments in Biotechnology and Bioengineering: Advanced Membrane Separation Processes for Sustainable Water and Wastewater Management - Case Studies and Sustainability Analysis	4
1524	2020	Digested blackwater treatment in a partial nitrification-anammox reactor under repeated starvation and reactivation periods	Pedrouso A., Tocco G., Val del Rio A., Carucci A., Morales N., Campos J.L., Milia S., Mosquera-Corral A.	Journal of Cleaner Production	4
1525	2020	Optimization of the extraction of bioactive compounds from walnut ( <i>Juglans major</i> 209 x <i>juglans regia</i> ) leaves: Antioxidant capacity and phenolic profile	Fernandez-Agullo A., Castro-Iglesias A., Freire M.S., Gonzalez-Alvarez J.	Antioxidants	4
1526	2019	Oxidation of flame retardant tetrabromobisphenol a by a biocatalytic nanofiber of chloroperoxidase	Garcia-Zamora J.L., Santacruz-Vazquez V., Valera-Perez M.A., Moreira M.T., Cardenas-Chavez D.L., Tapia-Salazar M., Torres E.	International Journal of Environmental Research and Public Health	4
1527	2019	Modelling the ex situ bioremediation of diesel-contaminated soil in a slurry bioreactor using a hydrocarbon-degrading inoculant	Balseiro-Romero M., Monterroso C., Kidd P.S., Lu-Chau T.A., Gkorezis P., Vangronsveld J., Casares J.J.	Journal of Environmental Management	4
1528	2019	Opportunities for rotating belt filters in novel wastewater treatment plant configurations	Taboada-Santos A., Lema J.M., Carballa M.	Environmental Science: Water Research and Technology	4
1529	2019	Phase equilibria of 1-hexyl-3-methylimidazolium acetate with water and oil	Corchero R., Rodriguez-Escontrela I., Rodriguez O., Soto A.	Fluid Phase Equilibria	4
1530	2019	Production of hydrogels with different mechanical properties by starch roasting: A valorization of industrial chestnut by-products	Torres M.D., Moreira R.	Industrial Crops and Products	4
1531	2018	Novel system configuration with activated sludge like-geometry to develop aerobic granular biomass under continuous flow	Cofre C., Campos J.L., Valenzuela-Heredia D., Pavissich J.P., Camus N., Belmonte M., Pedrouso A., Carrera P., Mosquera-Corral A., Val del Rio A.	Bioresource Technology	4
1532	2018	Using water scarcity footprint to choose the most suitable location for forest carbon sinks: A case study	Roibas L., Cuevas A., Vazquez M.E., Vilas M., Hospido A.	Sustainable Production and Consumption	4

1533	2017	Crown ethers as new curing agents for epoxy resins	Fraga Lopez F., Vazquez Barreiro E.C., Jover A., Martinez Ageitos J.M., Rodriguez E., Vazquez Tato J.	Polymer International	4
1534	2017	Enhancement effect on apparent viscosity of aqueous tragacanth gum dispersions promoted by sugars	Silva C., Torres M.D., Moreira R., Chenlo F.	International Journal of Food Science and Technology	4
1535	2017	Integrative health risk assessment of air pollution in the northwest of Spain	Garcia-Santiago X., Gallego-Fernandez N., Muniategui-Lorenzo S., Pineiro-Iglesias M., Lopez-Mahia P., Franco-Uria A.	Environmental Science and Pollution Research	4
1536	2017	Carbon dioxide chemical absorption using methylpiperidines aqueous solutions	Castro M., Gomez-Diaz D., Navaza J.M.	Fuel	4
1537	2016	Gelling characteristics and rheology of kappa/iota-hybrid carrageenans extracted from Mastocarpus stellatus dried at different temperatures	Moreira R., Chenlo F., Torres M.D.	Journal of Applied Phycology	4
1538	2016	Operation of an innovative WWTP with environmental objectives. A model-based analysis	Mauricio-Iglesias M., Garrido J.M., Lema J.M.	IFAC-PapersOnLine	4
1539	2016	Air emissions from a sludge thickener: Dynamic data for air quality models	Carrera-Chapela F., Donoso-Bravo A., Gonzalez J.A., Ruiz-Filippi G.	Chemical Engineering Transactions	4
1540	2015	1-Amine-2-propanol + Triethanolamine Aqueous Blends for Carbon Dioxide Absorption in a Bubble Reactor	Lopez A.B., La Rubia M.D., Navaza J.M., Pacheco R., Gomez-Diaz D.	Energy and Fuels	4
1541	2015	Air drying of chopped chestnuts at several conditions: Effect on colour and chemical characteristics of chestnut flour	Moreira R., Chenlo F., Torres M.D., Rama B., Arufe S.	International Food Research Journal	4
1542	2012	Peroxidase biocatalysis in water-soluble ionic liquids: Activity, kinetic and thermal stability	Tavares A.P.M., Rodriguez O., MacEdo E.A.	Biocatalysis and Biotransformation	4
1543	2011	Surface characterization of eucalyptus and ash wood veneers by XPS, TOF-SIMS, optic profilometry and contact angle measurements	Vazquez G., Rios R., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	WIT Transactions on Engineering Sciences	4
1544	2011	Promoting an optimal networking of fishing actors to organize a responsible, optimal and sustainable exploitation of marine resources: The FAROS initiative	Antelo L.T., Ordonez T., Franco-Uria A., Gomez-Gesteira J.L., Fernandez-Canamero M.L., Perez N., Castro J., Bellido J.M., Landeira F., Alonso A.A.	OCEANS 2011 IEEE - Spain	4
1545	2011	Influence of surfactants upon calcium carbonate production by means of a gas-liquid reaction	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Sanjurjo B., Vidal-Tato I.	Industrial and Engineering Chemistry Research	4
1546	2010	Effects of storage conditions on sugars and moisture content of whole chestnut fruits	Chenlo F., Moreira R., Chaguri L., Torres M.D.	Journal of Food Processing and Preservation	4
1547	2010	Gas-liquid interfacial area in the oxygen absorption to oil-in-water emulsions in an airlift reactor	Gomez-Diaz D., Gomes N., Teixeira J.A., Belo I.	Canadian Journal of Chemical Engineering	4

1548	2010	Control of re-startup of anaerobic USBF reactors after short stops	Garcia-Dieguez C., Molina F., Fernandez E., Roca E.	Industrial and Engineering Chemistry Research	4
1549	2010	Chestnut bur extracts as antioxidants: Optimization of the extraction stage	Vazquez G., Fernandez-Agullo A., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	WIT Transactions on Ecology and the Environment	4
1550	2009	Service oriented fast prototyping environment for UAS missions	Royo P., Lopez J., Tristancho J., Lema J.M., Lopez B., Pastor E.	47th AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition	4
1551	2009	Prediction of heavy metals mobility and bioavailability in contaminated soil using sequential extraction and biosensors	Almendras M.-L., Carballa M., Diels L., Vanbroekhoven K., Chamy R.	Journal of Environmental Engineering	4
1552	2008	Dual nature of polyethylene glycol-based aqueous biphasic extraction chromatographic (ABEC) resins: Uptakes of perchlorate versus mercury(II)	Dilip M., Griffin S.T., Spear S.K., Rijkssen C., Rodriguez H., Rogers R.D.	Industrial and Engineering Chemistry Research	4
1553	2008	[Ecological footprint of production processes as indicator of sustainability, La huella ecológica de procesos productivos como indicador de sostenibilidad]	Herva M., Franco A., Fdez-Carrasco E., Roca E.	Ingenieria Quimica	4
1554	2008	Biofiltration of a methanol containing air stream in a dry tubular biofilm reactor using ceramic rings as carrier	Omil F., Rojas H., Thalasso F., Lema J.M.	Environmental Progress	4
1555	2007	Rheological properties of chestnuts processed by osmotic dehydration and convective drying	Chenlo F., Moreira R., Torres M.D.	Food Science and Technology International	4
1556	2007	Kinematic viscosity of ternary aqueous solutions of ethanol and sucrose	Moreira R., Chenlo F., Correia G.R.	International Journal of Food Properties	4
1557	2006	Effect of bubbling nitrogen and pulsed flow on the antiradical activity of grape residues	Pinelo M., Rubilar M., Sineiro J., Nunez M.J.	Journal of Food Engineering	4
1558	2005	Gas/liquid mass transfer in carbon dioxide-alkanes mixtures	Gomez-Diaz D., Navaza J.M.	Chemical Engineering Journal	4
1559	2005	[Tannin modified phenol-urea-formaldehyde adhesives for exterior grade plywood, Adhesivos Fenol-Urea-Formaldehído Modificados con Taninos para Contrachapados de Uso Exterior]	Vazquez G., Lopez-Suevos F., Gonzalez-Alvarez J., Antorrena G.	Informacion Tecnologica	4
1560	2004	Environmental engineering education in Spain	Rodriguez-Roda I., Castells F., Flotats X., Lema J., Tejero I.	Water Science and Technology	4

1561	2002	A comparison of Lagrangian dispersion models coupled to a meteorological model for high stack air pollution forecast	Penabad E., Perez-Munuzuri V., Souto J.A., Casares J.J., Bermudez J.L., Ludwig F.L.	Advances in Air Pollution	4
1562	2001	Property changes of mixing for the 1-butanol + methanol + 2-methoxy-2-methylbutane system at 298.15 K and atmospheric pressure	Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	4
1563	2000	Experimental determination of the vapor-liquid equilibrium at 101.32 kPa of the ternary system 1-butanol+methanol+TAME	Arce A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	4
1564	1999	Control of chemical processes using neural networks: Implementation in a plant for xylose production	Alvarez E., Riverol C., Navaza J.M.	ISA Transactions	4
1565	1998	Liquid extraction equilibria of type 2: (tert-amyl methyl ether + 1-octonal + water) at T = (298.15 and 308.15) K	Arce A., Blanco M.	Journal of Chemical Thermodynamics	4
1566	1998	Evaluation of the manganese requirement for biobleaching by white rot fungi	Moreira M.Teresa, Sierra-Alvarez Reyes, Feijoo Gumersindo, Field Jim A.	Proceedings of the International Conference on Biotechnology in the Pulp and Paper Industry	4
1567	1996	Physical properties of aqueous solutions of NaHCO <sub>3</sub> , Na <sub>2</sub> CO <sub>3</sub> and Na <sub>2</sub> CO <sub>3</sub> -NaHCO <sub>3</sub> in the presence of sucrose and glucose	Vazquez G., Varela R., Cancela A., Alvarez E., Navaza J.M.	Afinidad	4
1568	1996	Device for Research into Falling Film Wave Structures under Shear Stress	Talens-Alesson F.I., Pereira-Goncalves G., Chenlo-Romero F., Vazquez-Una G.	AIChE Journal	4
1569	1990	Vapor-Liquid Equilibrium of the System Methanol + Benzene + Cyclohexane at 760 mmHg	Arce A., Dominguez A., Tojo J.	Journal of Chemical and Engineering Data	4
1570	1988	Prediction and experimental determination of vapour-liquid equilibria for benzene + Cyclohexane + 1-Butanol mixtures at 101.325 kPa	Arce A., Bunco A., Correa A., Tojo J.	The Canadian Journal of Chemical Engineering	4
1571	2021	Exploiting the potential of supported magnetic nanomaterials as fenton-like catalysts for environmental applications	Gonzalez-Rodriguez J., Gamallo M., Conde J.J., Vargas-Osorio Z., Vazquez-Vazquez C., Pineiro Y., Rivas J., Feijoo G., Moreira M.T.	Nanomaterials	3
1572	2021	Evaluation of starch as an environmental-friendly bioresource for the development of wood bioadhesives	Arias A., Feijoo G., Moreira M.T.	Molecules	3
1573	2021	Sequencing versus continuous granular sludge reactor for the treatment of freshwater aquaculture effluents	Santorio S., Couto A.T., Amorim C.L., Val del Rio A., Arregui L., Mosquera-Corral A., Castro P.M.L.	Water Research	3
1574	2021	Strategies for the valorisation of a protein-rich saline waste stream into polyhydroxyalkanoates (PHA)	Roibas-Rozas A., Val del Rio A., Hospido A., Mosquera-Corral A.	Bioresource Technology	3

1575	2021	Inventory review and environmental evaluation of first- and second-generation sugars through life cycle assessment	Bello S., Salim I., Feijoo G., Moreira M.T.	Environmental Science and Pollution Research	3
1576	2021	Eco-efficiency of a marine biorefinery for valorization of cartilaginous fish biomass	Garcia-Santiago X., Franco-Uria A., Antelo L.T., Vazquez J.A., Perez-Martin R., Moreira M.T., Feijoo G.	Journal of Industrial Ecology	3
1577	2021	Feeding composition and sludge retention time both affect (co-)metabolic biotransformation of pharmaceutical compounds in activated sludge systems	Gonzalez-Gil L., Fernandez-Fontaina E., Singh R.R., Lema J.M., Carballa M., Aga D.S.	Journal of Environmental Chemical Engineering	3
1578	2021	Screening the environmental sustainability of microbial production of butyric acid produced from lignocellulosic waste streams	Camara-Salim I., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Industrial Crops and Products	3
1579	2021	Early-stage sustainability assessment of enzyme production in the framework of lignocellulosic biorefinery	Bello S., Perez N., Kiebig J., Scheibner K., Sanchez Ruiz M.I., Serrano A., Martinez A.T., Feijoo G., Moreira M.T.	Journal of Cleaner Production	3
1580	2021	Carbon Dioxide Capture by Chemical Solvents Based on Amino Acids: Absorption and Regeneration	Castro M., Gomez-Diaz D., Navaza J.M., Rumbo A.	Chemical Engineering and Technology	3
1581	2021	Microbial invasions in sludge anaerobic digesters	Fernandez-Gonzalez N., Braz G.H.R., Regueiro L., Lema J.M., Carballa M.	Applied Microbiology and Biotechnology	3
1582	2020	Recovery of polyhydroxyalkanoates from cooked mussel processing wastewater at high salinity and acidic conditions	Pedrouso A., Fra-Vazquez A., Del Rio A.V., Mosquera-Corral A.	Sustainability (Switzerland)	3
1583	2020	Energy requirements and economics of acetone–butanol–ethanol (ABE) extractive fermentation: a solvent-based comparative assessment	Gonzalez-Penas H., Lu-Chau T.A., Eibes G., Lema J.M.	Bioprocess and Biosystems Engineering	3
1584	2020	Green and sustainable synthesis of oligorutin using an enzymatic membrane reactor: Process optimization	Muniz-Mouro A., Gullon B., Lu-Chau T.A., Eibes G.	Food and Bioprocess Processing	3
1585	2020	Limits of the anammox process in granular systems to remove nitrogen at low temperature and nitrogen concentration	Diaz C., Belmonte M., Campos J.L., Franchi O., Faundez M., Vidal G., Argiz L., Pedrouso A., Val del Rio A., Mosquera-Corral A.	Process Safety and Environmental Protection	3
1586	2020	Simultaneous nitrogen and dissolved methane removal from an upflow anaerobic sludge blanket reactor effluent using an integrated fixed-film activated sludge system	Allegue T., Carballo-Costa M.N., Fernandez-Gonzalez N., Garrido J.M.	Journal of Environmental Management	3
1587	2020	Aqueous Two-Phase Systems: A Correlation Analysis	Gonzalez-Amado M., Rodriguez O., Soto A., Carbonell-Hermida P., Olaya M.D.M., Marcilla A.	Industrial and Engineering Chemistry Research	3
1588	2020	Altered Clostridia response in extractive ABE fermentation with solvents of different nature	Gonzalez-Penas H., Eibes G., Lu-Chau T.A., Moreira M.T., Lema J.M.	Biochemical Engineering Journal	3

1589	2019	High-Yield Synthesis of Poly(3-hydroxybutyrate- co-3-hydroxyvalerate) Copolymers in a Mixed Microbial Culture: Effect of Substrate Switching and F/M Ratio	Palmeiro-Sanchez T., Val Del Rio A., Fra-Vazquez A., Luis Campos J., Mosquera-Corral A.	Industrial and Engineering Chemistry Research	3
1590	2019	Regionalizing eco-toxicity characterization factors for copper soil emissions considering edaphic information for Northern Spain and Portuguese vineyards	Villanueva-Rey P., Vazquez-Rowe I., Quinteiro P., Rafael S., Goncalves C., Moreira M.T., Feijoo G., Arroja L., Dias A.C.	Science of the Total Environment	3
1591	2019	Pulsed aeration enhances aerobic granular biomass properties	Carrera P., Mosquera-Corral A., Mendez R., Campos J.L., Val del Rio A.	Biochemical Engineering Journal	3
1592	2019	Thermo-Rheology of a Proline-Based Surface-Active Ionic Liquid: Mixtures with Water and n-Octane	Torres M.D., Corchero R., Rodriguez-Escontrela I., Soto A., Moreira R.	Chemical Engineering and Technology	3
1593	2019	Water Footprint of a Decentralised Wastewater Treatment Strategy Based on Membrane Technology	Arias A., Vallina I., Lorenzo Y., Komesli O.T., Katsou E., Feijoo G., Moreira M.T.	Environmental Footprints and Eco-Design of Products and Processes	3
1594	2018	Polyethylene glycol (1500 or 600) – potassium tartrate aqueous two-phase systems	Gonzalez-Amado M., Rodil E., Arce A., Soto A., Rodriguez O.	Fluid Phase Equilibria	3
1595	2018	On the feasibility and interest of applying territorial Life Cycle Assessment to determine subnational normalisation factors	Roibas L., Loiseau E., Hospido A.	Science of the Total Environment	3
1596	2018	Viscoelastic and textural characteristics of gels obtained from potato starch roasted under several temperature-time conditions	Torres M.D., Chenlo F., Moreira R.	International Journal of Polymer Science	3
1597	2018	Lessons learned from the treatment of organosolv pulp with ligninolytic enzymes and chemical delignification agents	Garcia-Torreiro M., Lu-Chau T.A., Gullon B., Moreira M.T., Lema J.M., Eibes G.	Cellulose	3
1598	2017	CO2 Absorption and Regeneration Using Amines with Different Degrees of Steric Hindrance	Gomez-Diaz D., Navaza J.M., Rodriguez P., Vega R.	Chemical Engineering and Technology	3
1599	2017	Effects of inoculum type and aeration flowrate on the performance of aerobic granular sbrs	Jungles M.K., del Rio A.V., Mosquera-Corral A., Campos J.L., Mendez R., Costa R.H.R.	Processes	3
1600	2017	Short- and long-term orange dye effects on ammonium oxidizing and anammox bacteria activities	Val Del Rio A., Stachurski A., Mendez R., Campos J.L., Surmacz-Gorska J., Mosquera-Corral A.	Water Science and Technology	3
1601	2017	Adding Value to Bioethanol through a Purification Process Revamp	Bisgaard T., Mauricio-Iglesias M., Huusom J.K., Gernaey K.V., Dohrup J., Petersen M.A., Abildskov J.	Industrial and Engineering Chemistry Research	3
1602	2017	Measuring energy demand and efficiency at WWTPS: An econometric approach	Longo S., Lema J.M., Mauricio-Iglesias M., Hospido A.	Lecture Notes in Civil Engineering	3

1603	2016	Carbon dioxide absorption by aqueous mixtures of diisopropanolamine and triethanolamine	Lopez A.B., La Rubia M.D., Pacheco R., Sanchez S., Navaza J.M., Gomez-Diaz D.	Chemical Engineering and Processing: Process Intensification	3
1604	2016	Nutrients pollution in water bodies: Related legislation in Europe and the United States	Val Del Rio A., FernAndez P.C., Campos Gomez J.L., Mosquera-Corral A.	Technologies for the Treatment and Recovery of Nutrients from Industrial Wastewater	3
1605	2016	CO2 continuous removal using ion exchange as regeneration process	Gomez-Diaz D., Navaza J.M.	Fuel	3
1606	2016	Waste to bioplastic conversion by the moderate halophilic bacterium halomonas boliviensis	Garcia-Torreiro M., Lu-Chau T.A., Steinbuchel A., Lemaa J.M.	Chemical Engineering Transactions	3
1607	2015	Characterization and biological abatement of diffuse methane emissions and odour in an innovative wastewater treatment plant	Barcon T., Hernandez J., Gomez-Cuervo S., Garrido J.M., Omil F.	Environmental Technology (United Kingdom)	3
1608	2014	Physicochemical characterization of aqueous two phase systems containing Triton X-102 and sodium salts in the range of temperature from 288.15 k to 318.15 k	Blanco A., Gayol A., Gomez-Diaz D., Navaza J.M.	Journal of Molecular Liquids	3
1609	2014	Physicochemical characterization of aqueous two-phase systems containing Tween20 and sodium salts from T = (288.15 to 318.15) K	Alvarez E., Blanco A., Gayol A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	3
1610	2014	Water desorption isotherms of raw and osmotically dehydrated garlic	Vazquez M.J., Chenlo F., Moreira R., Pacios B., Mayor L.	Journal of Agricultural Science and Technology	3
1611	2013	Carbon dioxide mass transfer into solvents in a zeolite hybrid device	Gomez-Diaz D., Navaza J.M.	Chemical Engineering and Technology	3
1612	2013	Doping efficiency in n-type InP nanowires	Besteiro L.V., Tortajada L., Souto J., Gallego L.J., Chelikowsky J.R., Alemany M.M.G.	Physical Review B - Condensed Matter and Materials Physics	3
1613	2013	Control assessment for heat integrated systems. An industrial case study for ethanol recovery	Mauricio-Iglesias M., Huusom J.K., Sin G.	Chemical Engineering and Processing: Process Intensification	3
1614	2013	Influence of Chitosan and Chitosan Derivatives on Hydrodynamics and Mass Transfer in a Bubble Contactor	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Chemical Engineering and Technology	3
1615	2012	Use of white-rot fungi for valorization of stillage from bioethanol production	Pena R., Lu-Chau T.A., Lema J.M.	Waste and Biomass Valorization	3



1616	2012	Carbon dioxide mass transfer in gas-liquid-liquid system	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Industrial and Engineering Chemistry Research	3
1617	2012	Mass transfer enhancement by the addition of surfactant in a Two Phase Partitioning Bioreactor for the degradation of anthracene by laccase	Arca-Ramos A., Eibes G., Moreira M.T., Feijoo G., Lema J.M.	Chemical Engineering Transactions	3
1618	2011	Tertiary membrane filtration of an industrial wastewater using granular or flocculent biomass sequencing batch reactors	Sanchez A., Garrido J.M., Mendez R.	Journal of Membrane Science	3
1619	2011	Viscosity and percolative phenomena in AOT based microemulsions	Cid A., Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Tenside, Surfactants, Detergents	3
1620	2010	Reactor engineering	Lema J.M., Lopez C., Eibes G., Taboada-Puig R., Moreira M.T., Feijoo G.	Biocatalysis Based on Heme Peroxidases: Peroxidases as Potential Industrial Biocatalysts	3
1621	2010	Analysis of moisture desorption isotherms of eggplant (solanum melongena)	Moreira R., Chenlo F., Torres M.D., Vallejo N.	Food Science and Technology International	3
1622	2010	Emissions inventory analysis for an urban (industrial)-rural (agricultural) environment	Dios M., Souto J.A., Casares J.J.	WIT Transactions on Ecology and the Environment	3
1623	2009	Study of the physical aging of the epoxy system BADGE n = 0/m-XDA/CaCo <sub>3</sub>	Fraga F., Lopez M., Tellini V.H.S., Rodriguez-Nunez E., Martinez-Ageitos J.M., Miragaya J.	Journal of Applied Polymer Science	3
1624	2007	Densities, viscosities, surface tensions, and speeds of sound of aqueous solutions of piperidine + Pyrrolidine + Water	Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Journal of Chemical and Engineering Data	3
1625	2006	Density, speed of sound, surface tension, and refractive index of AOT + 2,2,4-trimethylpentane + water mixtures from (5 to 60) °C	Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	3
1626	2005	Excess thermodynamics properties of propyl propanoate+hexane+cyclohexane at 298.15 K	Freire S., Casas H., Rilo E., Segade L., Cabeza O., Jimenez E.	Journal of Thermal Analysis and Calorimetry	3
1627	2004	Selective removal of gallium (III) from aqueous solutions containing zinc or aluminum using sodium di-(n-octyl) phosphinate	Dumortier R., Rodil E., Weber M.E., Vera J.H.	Water Research	3
1628	2000	Testing of an adaptive puff model for regulatory purposes around As Pontes power plant	Souto J.A., De Castro M., Casares J.J., Souto M.J., Perez-Munuzuri V., Bermudez J.L.	International Journal of Environment and Pollution	3

1629	1999	Effects of temperature on the conductivity of sodium bis(2-ethylhexyl) sulfosuccinate + 2,2,4-trimethylpentane + water microemulsions. Influence of amides and ethylene glycol	Alvarez E., Garcia-Rio L., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	3
1630	1999	The dehydration of garlic. 2. The effects of pretreatments on drying kinetics	Vazquez G., Chenlo F., Moreira R., Costoyas A.	Drying Technology	3
1631	1999	Enhancement of the absorption of CO <sub>2</sub> in alkaline buffer solutions: Joint action of two enhancers	Vazquez G., Chenlo F., Pereira G., Vazquez P.	Industrial and Engineering Chemistry Research	3
1632	1997	[Kraft paste bleaching with ligninolytic fungi, Blanqueo de pasta kraft con hongos ligninolíticos]	Feijoo G., Moreira M.T., Sierra-Alvarez R., Field J.A., Lema J.M.	Afinidad	3
1633	1997	[Aerobic degradation of 2,4,6-trichlorophenol in bleaching effluents of cellulose stuff, Dergadación aerobica del 2,4,6-triclorofenol en enfluentes de blanqueo de pulpa de celulosa]	Vidal G., Kennes C., Mendez R., Lema J.M.	Afinidad	3
1634	1997	Vapour-liquid equilibrium data for the recovery of 1-octanol from ternary mixtures with methanol and water	Arce A., Perez J.C., Soto A.	Fluid Phase Equilibria	3
1635	1997	Dispersion and transformation of nitrogen oxides emitted from a point source	Mendez M.R., Souto J.A., Vila-Guerau de Arellano J., Lucas T., Casares J.J.	International Conference on Measurements and Modelling in Environmental Pollution, MMPEP, Proceedings	3
1636	1997	Longitudinal permeability of sapele ( <i>Entandrophragma cylindricum</i> ) to air	Vazquez G., Chenlo F., Moreira R., Arnaud G.	Holzforschung	3
1637	1996	Continuous fermentation by conventional and recombinant <i>Saccharomyces cerevisiae</i> immobilized in Ca-alginate beads hardened with trivalent ion	Roca E., Meinander N., Nunez M.J., Hahn-Hagerdal B., Lema J.M.	Progress in Biotechnology	3
1638	1995	Isobaric Vapor-Liquid Equilibria of Water + Ethanol + Hexyl Acetate	Arce A., Soto A., Orge B., Tojo J.	Journal of Chemical and Engineering Data	3
1639	1992	Rule-based system for the synthesis of heat exchanger networks	Souto J.A., Casares J.J., Rodriguez A.	Expert Systems With Applications	3
1640	1986	RESIDUAL-OIL UPGRADING - AN OVERVIEW OF AVAILABLE TECHNOLOGIES.	Hadley-Coates L., Casares Long J.J.	Arabian Journal for Science and Engineering	3
1641	1985	Thermophilic anaerobic treatment of an industrial wastewater: Startup and stability studies	Vicent T., Paris J.M., Lema J.M., Ibanez E.	Biotechnology Bioengineering Symposium	3

1642	2022	Techno-economic risk assessment, life cycle analysis and life cycle costing for poly(butylene succinate) and poly(lactic acid) production using renewable resources	Ioannidou S.M., Ladakis D., Moutousidi E., Dheskali E., Kookos I.K., Camara-Salim I., Moreira M.T., Koutinas A.	Science of the Total Environment	2
1643	2022	A customizable 3D printed device for enzymatic removal of drugs in water	Xu X., Pose-Boirazian T., Eibes G., McCoubrey L.E., Martinez-Costas J., Gaisford S., Goyanes A., Basit A.W.	Water Research	2
1644	2021	Estimation of viscosity and hydrolysis kinetics of corn starch gels based on microstructural features using a simplified model	Santamaria M., Garzon R., Moreira R., Rosell C.M.	Carbohydrate Polymers	2
1645	2021	Impact of drying on the sodium alginate obtained after polyphenols ultrasound-assisted extraction from <i>Ascophyllum nodosum</i> seaweeds	Montes L., Gisbert M., Hinojosa I., Sineiro J., Moreira R.	Carbohydrate Polymers	2
1646	2021	In vitro digestibility of gels from different starches: Relationship between kinetic parameters and microstructure	Aleixandre A., Benavent-Gil Y., Moreira R., Rosell C.M.	Food Hydrocolloids	2
1647	2021	Features of aerobic granular sludge formation treating fluctuating industrial saline wastewater at pilot scale	Carrera P., Casero-Diaz T., Castro-Barros C.M., Mendez R., Val del Rio A., Mosquera-Corral A.	Journal of Environmental Management	2
1648	2021	Understanding the effect of trace elements supplementation on volatile fatty acids production from proteins	Bevilacqua R., Regueira A., Mauricio-Iglesias M., Lema J.M., Carballa M.	Journal of Environmental Chemical Engineering	2
1649	2021	Is the Paleo diet safe for health and the environment?	Cambeses-Franco C., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Science of the Total Environment	2
1650	2021	Integrated Biocatalytic Platform Based on Aqueous Biphasic Systems for the Sustainable Oligomerization of Rutin	Muniz-Mouro A., Ferreira A.M., Coutinho J.A.P., Freire M.G., Tavares A.P.M., Gullon P., Gonzalez-Garcia S., Eibes G.	ACS Sustainable Chemistry and Engineering	2
1651	2021	Defining a procedure to identify key sustainability indicators in Spanish urban systems: Development and application	Rama M., Andrade E., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Sustainable Cities and Society	2
1652	2021	Designing a functional rice muffin formulated with prebiotic oligosaccharides and sugar reduction	Amorim C., Cardoso B.B., Silverio S.C., Silva J.C., Alves J.I., Pereira M.A., Moreira R., Rodrigues L.R.	Food Bioscience	2
1653	2021	Could the economic crisis explain the reduction in the carbon footprint of food? Evidence from Spain in the last decade	Esteve-Llorens X., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Science of the Total Environment	2
1654	2021	Microbial inefficient substrate use through the perspective of resource allocation models	Regueira A., Lema J.M., Mauricio-Iglesias M.	Current Opinion in Biotechnology	2
1655	2021	Understanding the microbial trends in a nitrification reactor fed with primary settled municipal wastewater	Pedrouso A., Correa-Galeote D., Maza-Marquez P., Juarez-Jimenez B., Gonzalez-Lopez J., Rodelas B., Campos J.L., Mosquera-Corral A., Val del Rio A.	Separation and Purification Technology	2
1656	2021	Analysing the interaction between the dairy sector and climate change from a life cycle perspective: A review	Guzman-Luna P., Mauricio-Iglesias M., Flysjo A., Hospido A.	Trends in Food Science and Technology	2

1657	2020	Evaluating the Portuguese diet in the pursuit of a lower carbon and healthier consumption pattern	Esteve-Llorens X., Dias A.C., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Climatic Change	2
1658	2020	Assessment of a fast method to predict the biochemical methane potential based on biodegradable COD obtained by fractionation respirometric tests	Argiz L., Reyes C., Belmonte M., Franchi O., Campo R., Fra-Vazquez A., Val del Rio A., Mosquera-Corral A., Campos J.L.	Journal of Environmental Management	2
1659	2020	Valorization of horse chestnut burs to produce simultaneously valuable compounds under a green integrated biorefinery approach	Gullon P., Gullon B., Muniz-Mouro A., Lu-Chau T.A., Eibes G.	Science of the Total Environment	2
1660	2020	Assessment of the fate of organic micropollutants in novel wastewater treatment plant configurations through an empirical mechanistic model	Taboada-Santos A., Behera C.R., Sin G., Gernaey K.V., Mauricio-Iglesias M., Carballa M., Lema J.M.	Science of the Total Environment	2
1661	2020	A new decentralized biological treatment process based on activated carbon targeting organic micropollutant removal from hospital wastewaters	Alvarino T., Garcia-Sanda E., Gutierrez-Prada I., Lema J., Omil F., Suarez S.	Environmental Science and Pollution Research	2
1662	2019	Transformation of organic contamination from wastewater into bioplastics (polyhydroxyalkanoate) by microorganisms	Fra-Vazquez A., Palmeiro-Sanchez T., Del Rio A., Mosquera-Corral A.	Wastewater Treatment Residues as Resources for Biorefinery Products and Biofuels	2
1663	2019	Bio-compounds production from agri-food wastes under a biorefinery approach: Exploring environmental and social sustainability	Gonzalez-Garcia S., Gullon P., Gullon B.	Environmental Footprints and Eco-Design of Products and Processes	2
1664	2019	Quantitative tools for sustainable food and energy in the food chain	Cummins E., Hospido A., Van Impe J.F.M.	Food Research International	2
1665	2018	Characterization of an Epoxy Network with Gold Nanoparticles Using Dielectric Analysis	Fraga F., Torres C., Rodriguez-Nunez E., Martinez-Ageitos J.M., Vazquez-Barreiro E.C., Suarez-Pereiro F., Miragaya J.	Advances in Polymer Technology	2
1666	2018	Manufacture of nutraceutical compounds from chestnut shells by hydrothermal processing	Gullon P., Eibes G., Davila I., Moreira M.T., Labidi J., Gullon B.	Chemical Engineering Transactions	2
1667	2018	Polymerization of coniferyl alcohol by Mn <sup>3+</sup> -mediated (enzymatic) oxidation: Effects of H <sub>2</sub> O <sub>2</sub> concentration, aqueous organic solvents, and pH	Taboada-Puig R., Lu-Chau T.A., Moreira M.T., Feijoo G., Lema J.M., Fagerstedt K., Ohra-Aho T., Liitia T., Heikkinen H., Ropponen J., Tamminen T.	Biotechnology Progress	2
1668	2017	Biomass aggregation influences NaNO <sub>3</sub> short-term effects on anammox bacteria activity	Pedrouso A., Val Del Rio A., Campos J.L., Mendez R., Mosquera-Corral A.	Water Science and Technology	2
1669	2017	The environmental impact of magnetic nanoparticles under the perspective of carbon footprint	Feijoo S., Gonzalez-Garcia S., Moldes-Diz Y., Vazquez-Vazquez C., Feijoo G., Moreira M.T.	Environmental Carbon Footprints: Industrial Case Studies	2

1670	2017	Effect of Free Ammonia, Free Nitrous Acid, and Alkalinity on the Partial Nitrification of Pretreated Pig Slurry, Using an Alternating Oxidic/Anoxic SBR	Belmonte M., Hsieh C.-F., Campos J.L., Guerrero L., Mendez R., Mosquera-Corral A., Vidal G.	BioMed Research International	2
1671	2016	Autotrophic denitrification processes	Belmonte M., Fajardo C., Toledo-Alarcon J.B., Heredia D.V., Jorquera L., Mendez R., Tapia-Venegas E., Ruiz-Filippi G.	Technologies for the Treatment and Recovery of Nutrients from Industrial Wastewater	2
1672	2016	Anammox process: Technologies and application to industrial effluents	Val Del Rio A., Fuentes A.P., Giustinianovich E.A., Campos Gomez J.L., Mosquera-Corral A.	Technologies for the Treatment and Recovery of Nutrients from Industrial Wastewater	2
1673	2016	Carbon Dioxide and n-Hexane Absorption Using a Gas-Liquid-Liquid Reactor	Gomez-Diaz D., Lopez-Rivas D., Navaza J.M., Couvert A.	Chemical Engineering and Technology	2
1674	2016	PrOlor: A modelling approach for environmental odor forecast	Cartelle D., Vell'n J.M., Rodr'iguez A., Vali'o D., Gonzalez J.A., Casas C., Carrera-Chapela F.	Chemical Engineering Transactions	2
1675	2015	Influence of surfactant upon SO <sub>2</sub> absorption with and without chemical reaction	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Sanjurjo B.	Indian Journal of Chemical Technology	2
1676	2015	Ecological footprints in the textile industry	Roca E., Herva D.M.	Handbook of Life Cycle Assessment (LCA) of Textiles and Clothing	2
1677	2014	Enzymatic Reactors Applied for the Biotransformation of Endocrine Disrupting Chemicals	Lema Rodicio J.M., Teresa Moreira M., Eibes G., Lu-Chau T.A., Lloret L., Taboada R., Arca-Ramos A., Feijoo G.	Transformation Products of Emerging Contaminants in the Environment: Analysis, Processes, Occurrence, Effects and Risks	2
1678	2014	PRTRval: A software tool for the validation of E-PRTR emissions data	Dios M., Moran M., Carrera F., Pombo C., Souto J.A., Casares J.J., Diaz A., Saez A.	International Journal of Environment and Pollution	2
1679	2013	Density, speed of sound, and viscosity of monoethanolamine + water + n -ethyl-2-pyrrolidone from T = (293.15 to 323.15) K	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	2

1680	2013	Chemical reaction effect upon gas-liquid interfacial area in a bubble column reactor	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	International Journal of Chemical Reactor Engineering	2
1681	2013	Control of a biological nitrogen removal process in an intensified single reactor configuration	Vangsgaard A.K., Mauricio-Iglesias M., Germaey K.V., Smets B.F., Sin G.	Computer Aided Chemical Engineering	2
1682	2012	An ensemble-in-time forecast of solar irradiance	Diaz D., Souto J.A., Rodriguez A., Saavedra S., Casares J.J.	Renewable Energy and Power Quality Journal	2
1683	2012	Treatment of primary settled municipal wastewater in a pilot scale MBR	Iglesias-Obelleiro A., Fernandez-Gonzalez R., Garrido-Fernandez J.M.	Desalination and Water Treatment	2
1684	2011	UAS architecture for forest fire remote sensing	Royo P., Pastor E., Sole M., Lema J.M., Lopez J., Barrado C.	34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring	2
1685	2011	Antioxidant activity of pine bark procyanidins in bulk corn oil and corn oil-in-water emulsions	Jerez M., Deive F.J., Sineiro J., Nunez M.J.	European Journal of Lipid Science and Technology	2
1686	2010	Investigation of fivefold symmetry at the liquid Pb/Si(001) interface: An ab initio molecular dynamics study	Souto J., Alemany M.M.G., Longo R.C., Gallego L.J., Gonzalez L.E., Gonzalez D.J.	Physical Review B - Condensed Matter and Materials Physics	2
1687	2010	Influence of pre-treatment methods on the adsorption of cadmium ions by chestnut shell	Vazquez G., Mosquera O., Freire M.S., Antorrena G., Gonzalez-Alvarez J.	WIT Transactions on Ecology and the Environment	2
1688	2008	Anaerobic treatment of low-strength synthetic TCF effluents and biomass adhesion in fixed-bed systems	Mosquera-Corral A., Belmar A., Decap J., Sossa K., Urrutia H., Vidal G.	Bioprocess and Biosystems Engineering	2
1689	2008	[Applications of ecological footprint, Aplicaciones de la huella ecológica]	Herva M., Franco A., Roca E., Ferreiro S.	Ingenieria Quimica	2
1690	2008	[Osmotic dehydration of chestnut using static and dynamic media of salt, sucrose and glucose, Deshidratación osmótica de castaña en medios estáticos y dinámicos de sal, sacarosa y glucosa]	Chenlo F., Moreira R., Torres M.D., Ferra J.	Ciencia y Tecnologia Alimentaria	2
1691	2007	[New absorbent for CO2 removal, Nuevo absorbente para la eliminación de CO2]	Gomez-Diaz D., Navaza J.M., Sanjurjo B., Vazquez-Orgeira L.	Afinidad	2
1692	2007	[Technologies for the treatment of effluents from textile industries, Tecnologías para el tratamiento de efluentes de industrias textiles]	Lopez C., Moreira M.T., Feijoo G., Lema J.M.	Afinidad	2

1693	2007	Assessing the degradation of ochratoxin a using a bioassay: The case of contaminated winery wastewater	Nogueira R., Estevinho I., Abrunhosa L., Mendonca C., Machado P., Carballa M., Brito A.G., Venancio A.	Water Science and Technology	2
1694	2005	Fractionation and characterization of proteins from Gevuina avellana and Rosa rubiginosa seeds	Moure A., Rua M.L., Sineiro J., Dominguez H.	JAOCS, Journal of the American Oil Chemists' Society	2
1695	2005	[Development of an adsorbent based on tannins from Pinus pinaster bark, Desarrollo de un Adsorbente Basado en Taninos de Corteza de Pinus pinaster]	Vazquez G., Gonzalez-Alvarez J., Freire S., Antorrena G.	Informacion Tecnologica	2
1696	2003	Nuevos biorreactores híbridos para el tratamiento de aguas residuales	Oyanedel V., Garrido J.M., Mendez R.	Ingenieria Quimica	2
1697	2002	Proceso de fabricación de bioetanol (y III)	Hospido Quintana A., Diaz Ramos A.M., Moreira Vilar M.T., Feijoo Costa G.	Ingenieria Quimica	2
1698	2002	Adsorption of sodium on O2-bleached eucalyptus globulus kraft pulp	Vazquez G., Lopez M., Gonzalez J., Antorrena G.	Tappi Journal	2
1699	2001	Physical properties and their changes on mixing at 298.15 K and atmospheric pressure for the 2-ethoxy-2-methylbutane + methanol + water system	Arce A., Arce Jr. A., Rodil E., Soto A.	Journal of Chemical and Engineering Data	2
1700	2000	Some proposals about the vector and parallel implementations of STEM-II	Singh D.E., Arenaz M., Rivera F.F., Bruguera J.D., Tourino J., Doallo R., Mendez M.R., Souto J.A., Casares J.J.	Environmental Studies	2
1701	2000	Courseware for remote learning in environmental engineering	Engel C., Souto J.A., Bello P.M., Casares J.J.	Environmental Progress	2
1702	1998	[Biobleaching of kaolins with Aspergillus Niger, Bioblanqueo de caolines con aspergillus niger]	Cameselle C., Nunez M.J., Lema J.M.	Afinidad	2
1703	1998	Plasmid stability in recombinant Saccharomyces cerevisiae expressing the EXG1 gene in free and immobilized cultures	Guillan A., Lu Chau T., Roca E., Nunez M.J., Lema J.M.	Progress in Biotechnology	2
1704	1998	In vitro degradation of the dye Poly R-478 by crude and semipurified manganese peroxidase	Palma C., Moreira M.T., Feijoo G., Lema J.M.	Proceedings of the International Conference on Biotechnology in the Pulp and Paper Industry	2
1705	1997	[Dynamic simulation of the competition between methane-producing bacteria and sulphate-reducing bacteria in anaerobic reactors from granular sludges, Simulación dinámica de la competición entre bacterias productoras de metano y bacterias sulfato reductoras en reactores anaerobios de lodos granulares]	Omil F., Visser A., Hulshoff Pol L.W., Lettinga G.	Afinidad	2

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1707	1996	Effect of pulsation on morphology of <i>Aspergillus niger</i> and <i>Phanerochaete chrysosporium</i> in a fluidized-bed reactor	Moreira M.T., Feijoo G., Sanroman A., Lema J.M.	Progress in Biotechnology	2
1708	1996	La industria de pasta celulosa y papel: (I) Procesos productivos y generacion de efluentes	Vidal G., Mendez R., Lema J.M., Soto M.	Ingenieria Quimica	2
1709	1995	Analysis of the relationship between ternary mixtures and their binary subsystems as represented by the uniuquac and nrtl models	Arce A., Blanco M., Martinez-Ageitos J., Vidal I.	Thermochimica Acta	2
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1711	1994	A simple flow meter for bioreactors applicable to oscillating feed systems	Roca E., Flores J., Fernandez J.M., Lema J.M.	Biotechnology Techniques	2
1712	1989	The D-xylose fermenting capacities of immobilized <i>Pichia stipitis</i> and <i>Pachysolen tannophilus</i>	Nunez M.J., Sanroman A., Lopez E., Vazquez G., Lema J.M.	Biotechnology Letters	2
1713	1989	Effect of C/N/P ratio on the performance of a downflow stationary fixed film reactor (DSFFR) working at low organic loading rates	Mendez R., Pan L.M., Lema J.M.	Water Science and Technology	2
1714	1987	INFLUENCE OF VISCOSITY ON THE DISTRIBUTION OF SURFACE VELOCITIES.	Vazquez G., Antorrena G.M., Navaza J.M., Vega J.L.	International chemical engineering	2
1715	1986	Vapour-liquid equilibrium of the system benzene + cyclohexane + 1-propanol at 760 mm Hg	Arce A., Blanco A., Tojo T.	Fluid Phase Equilibria	2
1716	2021	Revealing the dissimilar structure of microbial communities in different WWTPs that treat fish-canning wastewater with different NaCl content	Correa-Galeote D., Roibas-Rozas A., Mosquera-Corral A., Juarez-Jimenez B., Gonzalez-Lopez J., Rodelas B.	Journal of Water Process Engineering	1
1717	2021	Hydrothermal treatment of avocado peel waste for the simultaneous recovery of oligosaccharides and antioxidant phenolics	Del Castillo-Llamosas A., Rodriguez-Martinez B., del Rio P.G., Eibes G., Garrote G., Gullon B.	Bioresource Technology	1
1718	2021	Chemical and thermal stabilization of CotA laccase via a novel one-step expression and immobilization in muNS-Mi nanospheres	Pose-Boirazian T., Eibes G., Barreiro-Pineiro N., Diaz-Jullien C., Lema J.M., Martinez-Costas J.	Scientific Reports	1
1719	2021	Eco-efficiency assessment of shrimp aquaculture production in Mexico	Cortes A., Casillas-Hernandez R., Cambeses-Franco C., Borquez-Lopez R., Magallon-Barajas F., Quadros-Seiffert W., Feijoo G., Moreira M.T.	Aquaculture	1
1720	2021	Multi-product strategy to enhance the environmental profile of the canning industry towards circular economy	Cortes A., Esteve-Llorens X., Gonzalez-Garcia S., Moreira M.T., Feijoo G.	Science of the Total Environment	1
1721	2021	Process and environmental simulation in the validation of the biotechnological production of nisin from waste	Arias A., Feijoo G., Moreira M.T.	Biochemical Engineering Journal	1



1722	2021	Salinity is the major driver of the global eukaryotic community structure in fish-canning wastewater treatment plants	Correa-Galeote D., Roibas A., Mosquera-Corral A., Juarez-Jimenez B., Gonzalez-Lopez J., Rodelas B.	Journal of Environmental Management	1
1723	2021	Bacterial inactivation, photoreactivation and dark repair post flow-through pulsed UV disinfection	Fitzhenry K., Clifford E., Rowan N., Val del Rio A.	Journal of Water Process Engineering	1
1724	2021	Environmental consequences of wheat-based crop rotation in potato farming systems in Galicia, Spain	Camara-Salim I., Almeida-Garcia F., Feijoo G., Moreira M.T., Gonzalez-Garcia S.	Journal of Environmental Management	1
1725	2021	Environmental assessment of menus for toddlers serviced at nursery canteen following the Atlantic diet recommendations	Gonzalez-Garcia S., Esteve-Llorens X., Gonzalez-Garcia R., Gonzalez L., Feijoo G., Moreira M.T., Leis R.	Science of the Total Environment	1
1726	2021	Evaluating the environmental profiles of winter wheat rotation systems under different management strategies	Gonzalez-Garcia S., Almeida F., Moreira M.T., Brandao M.	Science of the Total Environment	1
1727	2021	Tetrabutylphosphonium acetate and its eutectic mixtures with common-cation halides as solvents for carbon dioxide capture	Pena C.A., Soto A., Rodriguez H.	Chemical Engineering Journal	1
1728	2021	Nanomaterial synthesis in ionic liquids and their use on the photocatalytic degradation of emerging pollutants	Corchero R., Rodil R., Soto A., Rodil E.	Nanomaterials	1
1729	2021	How should ecotoxicity of micropollutants in wastewater be gauged? Using bioassays to profile alternative tertiary treatments	Papa M., Paredes L., Ferretti D., Viola G., Mazzoleni G., Steimberg N., Pedrazzani R., Lema J., Omil F., Carballa M.	Environmental Engineering Research	1
1730	2021	Evaluation of the environmental sustainability of the inshore great scallop ( <i>Pecten maximus</i> ) fishery in Galicia	Cortes A., Gonzalez-Garcia S., Franco-Uria A., Moreira M.T., Feijoo G.	Journal of Industrial Ecology	1
1731	2020	"Who Cares?": The Acceptance of Decentralized Wastewater Systems in Regions without Water Problems	Gomez-Roman C., Lima L., Vila-Tojo S., Correa-Chica A., Lema J., Sabucedo J.-M.	International Journal of Environmental Research and Public Health	1
1732	2020	Density, Speed of Sound, Viscosity, and Surface Tension of Tetramethylethylenediamine Aqueous Solutions from T = 293.15 to 323.15 K	Gomez-Diaz D., Navaza J.M.	ACS Applied Materials and Interfaces	1
1733	2019	Effect of brown seaweed addition and starch gelatinization on gluten-free chestnut flour doughs and cookies	Arufe S., Chenlo F., Sineiro J., Moreira R.	Journal of Food Measurement and Characterization	1

1734	2019	Environmental concerns on the production of value-added bioproducts from residual renewable sources	Gonzalez-Garcia S., Gullon B., Feijoo G., Moreira M.T.	Advances in Feedstock Conversion Technologies for Alternative Fuels and Bioproducts: New Technologies, Challenges and Opportunities	1
1735	2019	Addressing environmental criteria and energy footprint in the selection of feedstocks for bioenergy production	Salim I., Lijo L., Moreira M.T., Feijoo G.	Environmental Footprints and Eco-Design of Products and Processes	1
1736	2019	Energy footprint of biorefinery schemes	Bello S., Feijoo G., Moreira M.T.	Environmental Footprints and Eco-Design of Products and Processes	1
1737	2019	Predicting Accumulation of Intermediate Compounds in Nitrification and Autotrophic Denitrification Processes: A Chemical Approach	Campos J.L., Dumais J., Pavissich J.P., Franchi O., Crutchik D., Belmonte M., Faundez M., Jorquera L., Pedrouso A., Mosquera-Corral A., Val Del Rio A.	BioMed Research International	1
1738	2018	CO2 absorption with tri-n-butylamine in GL and GLL systems	Gomez-Diaz D., Grueiro J., Navaza J.M., Noval C.	Energy	1
1739	2017	Implementation of linear programming and life cycle approach in an Excel application to determine ecoefficiency	Feijoo G., Sanmartin S., Moreira M.T.	Computer Aided Chemical Engineering	1
1740	2017	Fish-canning wastewater treatment by means of aerobic granular sludge for C, N and P removal	Campo R., Carrera-Fernandez P., Di Bella G., Mosquera-Corral A., Val del Rio A.	Lecture Notes in Civil Engineering	1
1741	2016	Modelling and control of nitrogen and phosphorus removing systems	Valverde-Perez B., Flores-Alsina X., Vangsgaard A.K., Mauricio-Iglesias M.	Technologies for the Treatment and Recovery of Nutrients from Industrial Wastewater	1
1742	2016	Pollutant levels in discarded fish species by Spanish trawlers operating in the Great Sole Bank and the Atlantic coast of the Iberian Peninsula	Antelo L.T., Ordonez-del Pazo T., Lopes C., Franco-Uria A., Perez-Martin R.I., Alonso A.A.	Marine Pollution Bulletin	1
1743	2016	Use of New Regeneration Processes for Thermolabile Amines	Gomez-Diaz D.	International Journal of Chemical Reactor Engineering	1

1744	2016	Effect of the terrain features on the accuracy of calmet. A complex terrain case study	Hernandez A., Gonzalez J.A., Casares J.J.	HARMO 2016 - 17th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	1
1745	2015	Studies of Absorption in Sanitary Protective Gloves	Fraga F., Rodriguez-Nunez E., Diaz De Freijo S., Martinez-Ageitos J.M., Suarez-Pereiro F.	Journal of Testing and Evaluation	1
1746	2015	Testing new ensemble forecasts of solar irradiance	Botana J.M., Rodriguez A., Gonzalez J.A.	Renewable Energy and Power Quality Journal	1
1747	2014	Regional assessment of a regional bottom-up cattle air pollutants emissions inventory against European emissions inventories	Moran M., Gonzalez J.A., Dios M.	HARMO 2014 - 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	1
1748	2014	PRESAXIO regional air quality modelling system: Validation and applications	Souto J.A., Saavedra S., Rodriguez A., Dios M., Lopez J., Hernandez-Garces A., Cartelle D., Vellon J.M., Gallego N., Macho M.L.	International Journal of Environment and Pollution	1
1749	2013	Validation of WRF Model During O3 Episodes in an Atlantic Coastal Region	Vazquez S.S., Lopez A.R., Souto J.A., Casares J.J.	NATO Science for Peace and Security Series C: Environmental Security	1
1750	2013	[Use of activated carbon for the removal of pharmaceutical and personal care micropollutants in biological reactors, Uso de carbon activo para la eliminación de microcontaminantes farmacéuticos y cosméticos en reactores biológicos de tratamiento de aguas]	Serrano D., Suarez S., Lema J.M., Omil Y.F.	Afinidad	1
1751	2013	Application of a three-compartment model as a tool to understand the partition of 17 $\alpha$ -ethinylestradiol in mixed liquor systems	Serrano D., Omil F., Lema J.M., Patureau D.	Environmental Progress and Sustainable Energy	1

1752	2013	$\Delta G$ (CH <sub>2</sub> ) in biphasic systems of water and bis(trifluoromethylsulfonyl)imide-based ionic liquids	Maia F.M., Rodriguez O., Macedo E.A.	Journal of Chemical and Engineering Data	1
1753	2013	H15-112: Prtrval: A software tool for the validation of European Pollutant Release and Transfer Register emissions data	Dios M., Moran M., Carrera F., Pombo C., Souto J.A., Casares J.J., Diaz A., Saez A.	Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013	1
1754	2013	H15-310: Regional air quality management assessment by using CHIMERE air quality model	Souto J.A., Saavedra S., Rodriguez A., Dios M., Lopez J., Cartelle D., Vellon J.M., Gallego N., Macho M.L.	Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013	1
1755	2013	Influence of a second liquid phase upon carbon dioxide chemical absorption	Couvert A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Rodriguez-Dafonte P.	International Journal of Chemical Reactor Engineering	1
1756	2013	A fuzzy-logic based diagnosis and control of a reactor performing complete autotrophic nitrogen removal	Mauricio-Iglesias M., Vangsgaard A.K., Germaey K.V., Sin G.	IFAC Proceedings Volumes (IFAC-PapersOnline)	1
1757	2012	NMR studies in carbon dioxide - Amine chemical absorption	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Rumbo A.	CHISA 2012 - 20th International Congress of Chemical and Process Engineering and PRES 2012 - 15th Conference PRES	1
1758	2012	Dynamic multi-criteria decision analysis of electricity generation mix choices for future sustainability	Del Riego D.G., Souto J.A., Casares J.J.	Proceedings of the IASTED International Conference on Power and Energy Systems, EuroPES 2012	1

1759	2012	Valorization of organic wastes as fertilizer: Environmental concerns of composting and anaerobic digestion technologies	Lopes C., Herva M., Garcia-Dieguez C., Roca E.	Organic Fertilizers: Types, Production and Environmental Impact	1
1760	2012	Integration of SAA Capabilities into a UAS Distributed Architecture for Civil Applications	Royo P., Santamaria E., Lema J.M., Pastor E., Barrado C.	Sense and Avoid in UAS: Research and Applications	1
1761	2012	Controlled power distributed photovoltaic system using solar energy forecast	Diaz D., Souto J.A., Rodriguez A., Saavedra S., Casares J.J., Garcia-Loureiro A., Varela R., Rodriguez-Legarreta M.J., Rodriguez-Aneiros J.	Renewable Energy and Power Quality Journal	1
1762	2012	Gases separation by ZSM-5 based membranes	Lopez A.B., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Procedia Engineering	1
1763	2012	Study of the antioxidant potential of forestry biomass waste	Fernandez-Agullo A., Gomez-Castro C., Soto L., Freire M.S., Gonzalez-Alvarez J.	WIT Transactions on Ecology and the Environment	1
1764	2012	A systematic methodology for controller tuning in wastewater treatment plants	Mauricio-Iglesias M., Jorgensen S.B., Sin G.	IFAC Proceedings Volumes (IFAC-PapersOnline)	1
1765	2012	Evaluation of the E-PRTR emissions inventory: The Galician case	Dios M., Moran M., Carrera F., Sout J.A., Casares J.J., Diaz A., Macho M.L.	WIT Transactions on Ecology and the Environment	1
1766	2012	EDITORIAL - SS&T Special Issue on Ionic Liquids for Separations	Chen J., Rodriguez H., Rogers R.D.	Separation Science and Technology	1
1767	2011	Apparent viscosity model for hydrocollids blends	Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	Electronic Journal of Environmental, Agricultural and Food Chemistry	1
1768	2011	Novel biological nitrogen-removal processes: Applications and perspectives	Campos J.L., Vazquez-Padin J.R., Figueroa M., Fajardo C., Mosquera-Corral A., Mendez R.	Fluid Waste Disposal	1
1769	2011	Organic waste valorization in agriculture and its environmental risk implications	Lopes C., Herva M., Franco-Uria A., Roca E.	Pollution Control: Management, Technology and Regulations	1
1770	2010	Theoretical determination of sorption isotherms applied to process chestnut with osmotic pre-treatments based on its chemical composition	Chenlo F., Moreira R., Torres M.D.	Acta Horticulturae	1
1771	2010	Erratum: A review of methodological issues affecting LCA of novel food products (International Journal of Life Cycle Assessment (2010) 15 (44-52) DOI: 10.1007/s11367-009-0130-4)	Hospido A., Davis J., Berlin J., Sonesson U.	International Journal of Life Cycle Assessment	1

1772	2010	[Identification of microorganisms involved in nitrogen removal from wastewater treatment systems by means of molecular biology techniques, Identificación de microorganismos implicados en la eliminación de nitrógeno en sistemas de tratamiento de aguas residuales mediante técnicas de biología molecular]	Figuroa M., Alonso-Gutierrez J., Campos J.L., Mendez R., Mosquera-Corral A.	Tecnologia del Agua	1
1773	2010	An evaluation of road traffic emissions	Dios M., Castro M.S., Souto J.A., Casares J.J.	WIT Transactions on Ecology and the Environment	1
1774	2009	Surface characterization of rotary-peeled eucalyptus veneers by confocal laser scanning microscopy and surface free energy and contact angle determination	Vazquez G., Gonzalez-Alvarez J., Freire M.S., Santos J., Uceira R., Antorrena G.	WIT Transactions on Engineering Sciences	1
1775	2009	Kinematic viscosity of aqueous solutions of ethanol and glucose in the range of temperatures from 20 to 45°C	Moreira R., Chenlo F., Saint-Olympe A.	International Journal of Food Properties	1
1776	2009	Erratum: Measurement of ion activity coefficients in aqueous solutions of mixed electrolyte with a common ion: NaNO <sub>3</sub> + KNO <sub>3</sub> , NaCl + KCl and NaBr + NaCl (Journal of Chemical and Engineering Data (2009) 54 (345-350))	Rodil E., Arce A., Wilczek-Vera G., Vera J.H.	Journal of Chemical and Engineering Data	1
1777	2009	Ionic liquids: Growth of a field through the eyes of the I&EC division	Rodriguez H., Gurau G., Rogers R.D.	ACS Symposium Series	1
1778	2009	Alkaline pre-extracted chestnut shell as a natural adsorbent: Optimization of phenol removal	Vazquez G., Gonzalez-Alvarez J., Freire M.S., Calvo M., Antorrena G.	Chemical Engineering Transactions	1
1779	2008	[Identification of nitrogen removing microorganisms from wastewater treatment systems by FISH technique, Identificación de microorganismos implicados en la eliminación de nitrógeno en sistemas de tratamiento de aguas residuales mediante la técnica FISH]	Figuroa M., Vazquez-Padin J.R., Corral A.M., Campos J.L., Sanz J.L., Mendez R.	Tecnologia del Agua	1
1780	2008	Carbon dioxide mass transfer to non-linear alkanes	Gomez-Diaz D., Navaza J.M.	Canadian Journal of Chemical Engineering	1
1781	2008	Explaining the enhanced performance of pulsed bioreactors by mechanistic modeling	Franco A., Garcia C., Carrasco E.F., Roca E.	AIChE Journal	1
1782	2008	Modelling the impact of best available techniques for industrial emissions control in air quality: Setting up inventories and establishing projections	Rodriguez R., Maceira P., Souto J.A., Casares-Long J., Saez A., Costoya M.	NATO Science for Peace and Security Series C: Environmental Security	1

1783	2008	Colour changes during hot air-drying of chestnuts osmotically pre-treated with sodium chloride solutions	Moreira R., Chenlo F., Chaguri L.	Acta Horticulturae	1
1784	2008	Mass transfer analysis during osmotic dehydration of eggplant using binary solutions of sucrose and sodium chloride	Moreira R., Chenlo F., Vallejo N., Gerbet L.	Defect and Diffusion Forum	1
1785	2007	Solubility issues in environmental pollution	Arce A., Soto A.	Thermodynamics, Solubility and Environmental Issues	1
1786	2007	[Granular biomass reactors: More capacity in less space, Reactores de biomasa granular: Más capacidad en menos espacio]	Arrojo B., Padin J.R.V., Figueroa M., Corral A.M., Campos J.L., Mendez R.	Tecnologia del Agua	1
1787	2006	Effect of temperature upon electrical conductivity of sodium bis(2-ethylhexyl) sulfosuccinate + 2,2,4-trimethylpentane + water + phase transfer catalyst	Dasilva-Carvalho J., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C., Navaza J.M.	Journal of Chemical and Engineering Data	1
1788	2006	Effective diffusion coefficients during osmotic dehydration of vegetables with different initial porosity	Mayor L., Moreira R., Chenlo F., Sereno A.M.	Defect and Diffusion Forum	1
1789	2006	Mass transfer analysis during osmotic dehydration of pumpkin fruits using binary and ternary aqueous solutions of sucrose and sodium chloride	Mayor L., Moreira R., Chenlo F., Sereno A.M.	Defect and Diffusion Forum	1
1790	2005	Kinetics of the enthalpy relaxation process for an epoxy network as determined with a peak shift model	Fraga F., Castro-Diaz C., Rodriguez-Nunez E., Martinez-Ageitos J.M.	Journal of Applied Polymer Science	1
1791	2004	Evaluation of air pollution modelling tools as environmental engineering courseware	Souto Gonzalez J.A., Bello Bugalio P.M., Casares Long J.J.	Water Science and Technology	1
1792	2003	Experimental and theoretical study of excess molar enthalpies for the ternary mixture: Butyl butyrate + 1-octanol + octane at 298.15 K	Garcia-Garabal S., Jimenez E., Segade L., Franjo C., Freire S., Jimenez De Llano J.	Fluid Phase Equilibria	1
1793	2003	Tratamiento de los efluentes de producción de tableros de fibra	Fernandez-Peteiro A., Omil F., Lema J.M., Perez D., Fernandez J.M.	Ingenieria Quimica	1
1794	2002	[Optimization of chemical processes by means of direct search methods, Optimización de procesos químicos mediante métodos de búsqueda directa]	Rodriguez J., Carrasco E.	Afinidad	1
1795	2002	Proceso de fabricación de bioetanol (I)	Lopez-Silva A.B., Moreira Vilar M.T., Lopez-Facal X., Feijoo Costa G.	Ingenieria Quimica	1
1796	2001	Simulación del proceso de síntesis del ETBE	Arias Vazquez J., Moreira Vilar M.T., Feijoo Costa G.	Ingenieria Quimica	1
1797	1999	[Prediction of kinematic viscosity of aqueous solutions of sodium or potassium carbonate and bicarbonate, Predicción de la viscosidad cinemática de disoluciones acuosas de carbonato y bicarbonato sódicos o potásicos]	Pereira G., Vazquez M.J., Moreira R., Chenlo F.	Afinidad	1

1798	1998	Isobaric (vapour + liquid) equilibrium of (ethanol + methanol + 2-methoxy-2-methylbutane)	Arce A., Martinez-Ageitos J., Rodil E., Soto A.	Journal of Chemical Thermodynamics	1
1799	1998	Decolorization of the dye Poly R478 by Phanerochaete chrysosporium in a continuous packed-bed bioreactor	Mielgo I., Palma C., Moreira M.T., Feijoo G., Lema J.M.	Proceedings of the International Conference on Biotechnology in the Pulp and Paper Industry	1
1800	1996	La industria de pasta celulosa y papel: (y II) tratamiento externo de los efluentes residuales	Vidal G., Mendez R., Lema J.M., Soto M.	Ingenieria Quimica	1
1801	1996	Knowledge based control applied to fixed bed pulsed bioreactors	Roca E., Flores J., Rodriguez I., Cameselle C., Nunez M.J., Lema J.M.	Bioprocess Engineering	1
1802	1996	Influence of preparation procedure on pine tannin-based cold-set glulam adhesives	Gonzalez J., Pizzi A.	Holz als Roh - und Werkstoff	1
1803	1996	[Improvement in the production of citric acid by means of immobilized A. niger, Mejora en la producción de ácido cítrico por efecto de la inmovilización de a. niger]	Cameselle C., Bisping B., Nunez M.J., Rehm H.J., Lema J.M.	Afinidad	1
1804	1995	Analysis of the relationship between ternary mixtures and their binary sub-systems as represented by the uniquac and nrtl models	Arce A., Blanco M., Martinez-Ageitos J., Vidal I.	Thermochimica Acta	1
1805	2022	Effect of the addition of different sodium alginates on viscoelastic, structural features and hydrolysis kinetics of corn starch gels	Montes L., Santamaria M., Garzon R., Rosell C.M., Moreira R.	Food Bioscience	0
1806	2022	Acetone + 1-ethyl-3-methylimidazolium acetate phase diagram: A correlation challenge	Marcilla A., Olaya M.D.M., Carbonell-Hermida P., Wojtczuk M.K., Rodriguez H., Rodil E., Soto A.	Fluid Phase Equilibria	0
1807	2022	Waste biorefinery towards a sustainable biotechnological production of pediocin: Synergy between process simulation and environmental assessment	Arias A., Barreiro D., Feijoo G., Moreira M.T.	Environmental Technology and Innovation	0
1808	2022	Fostering the valorization of organic wastes into carboxylates by a computer-aided design tool	Saavedra del Oso M., Regueira A., Hospido A., Mauricio-Iglesias M.	Waste Management	0
1809	2022	Environmental comparison of banana waste valorisation strategies under a biorefinery approach	Santiago B., Moreira M.T., Feijoo G., Gonzalez-Garcia S.	Waste Management	0
1810	2022	Benchmarking tertiary water treatments for the removal of micropollutants and pathogens based on operational and sustainability criteria	de Boer S., Gonzalez-Rodriguez J., Conde J.J., Moreira M.T.	Journal of Water Process Engineering	0
1811	2022	Pilot-scale continuous flow granular reactor for the treatment of extremely low-strength recirculating aquaculture system wastewater	Santorio S., Val del Rio A., Amorim C.L., Arregui L., Castro P.M.L., Mosquera-Corral A.	Journal of Environmental Chemical Engineering	0



1812	2022	How decentralized treatment can contribute to the symbiosis between environmental protection and resource recovery	Estevez S., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Science of the Total Environment	0
1813	2022	Optimization of Nutritional and Operational Conditions for Producing PHA by the Halophilic Bacterium Halomonas boliviensis from Oil Palm Empty Fruit Bunch and Gluten Hydrolysates	Arcila-Echavarria D.C., Lu-Chau T.A., Gomez-Vanegas N.A., Penuela-Vasquez M., Marsiglia-Lopez D.E.	Waste and Biomass Valorization	0
1814	2022	Driving commitment to sustainable food policies within the framework of American and European dietary guidelines	Cambeses-Franco C., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Science of the Total Environment	0
1815	2022	Valorization of lipid-rich wastewaters: A theoretical analysis to tackle the competition between polyhydroxyalkanoate and triacylglyceride-storing populations	Argiz L., Correa-Galeote D., Val del Rio A., Mosquera-Corral A., Gonzalez-Cabaleiro R.	Science of the Total Environment	0
1816	2022	Bundling the removal of emerging contaminants with the production of ligninolytic enzymes from residual streams	Gonzalez-Rodriguez S., Lu-Chau T.A., Trueba-Santiso A., Eibes G., Moreira M.T.	Applied Microbiology and Biotechnology	0
1817	2022	Sustainable non-isocyanate polyurethanes bio-adhesives for engineered wood panels are revealed as promising candidates to move from formaldehyde-based alternatives	Arias A., Entrena-Barbero E., Feijoo G., Moreira M.T.	Journal of Environmental Chemical Engineering	0
1818	2022	Chain elongation may occur in protein mixed-culture fermentation without supplementing electron donor compounds	Bevilacqua R., Regueira A., Mauricio-Iglesias M., Lema J.M., Carballa M.	Journal of Environmental Chemical Engineering	0
1819	2022	Environmental assessment of the production of itaconic acid from wheat straw under a biorefinery approach	Rebolledo-Leiva R., Moreira M.T., Gonzalez-Garcia S.	Bioresource Technology	0
1820	2022	Design and performance analysis of a formulation based on SDBS and ionic liquid for EOR in carbonate reservoirs	Somoza A., Tafur N., Arce A., Soto A.	Journal of Petroleum Science and Engineering	0
1821	2022	General guidelines for a successful joint determination of the diffusion and the partition coefficients in polymeric food contact materials based on optimal experimental design	Martinez-Lopez B., Mauricio-Iglesias M.	Journal of Applied Polymer Science	0
1822	2022	Cultivable microalgae diversity from a freshwater aquaculture filtering system and its potential for polishing aquaculture-derived water streams	Couto A.T., Cardador M., Santorio S., Arregui L., Sicuro B., Mosquera-Corral A., Castro P.M.L., Amorim C.L.	Journal of Applied Microbiology	0
1823	2022	Performance of a two-stage partial nitrification-anammox system treating the supernatant of a sludge anaerobic digester pretreated by a thermal hydrolysis process	Valenzuela-Heredia D., Panatt C., Belmonte M., Franchi O., Crutchik D., Dumais J., Vazquez-Padin J.R., Lesty Y., Pedrouso A., Val del Rio A., Mosquera-Corral A., Campos J.L.	Chemical Engineering Journal	0

1824	2022	Modeling the Impact of Salinity Variations on Aquatic Environments: Including Negative and Positive Effects in Life Cycle Assessment	Roibas-Rozas A., Nunez M., Mosquera-Corral A., Hospido A.	Environmental Science and Technology	0
1825	2022	Recovery of dialkylimidazolium-based ionic liquids from their mixtures with acetone or water by flash distillation	Caeiro N., Wojtczuk M.K., Rodriguez H., Rodil E., Soto A.	Journal of Molecular Liquids	0
1826	2022	Renewable carbon opportunities in the production of succinic acid applying attributional and consequential modelling	Bello S., Ladakis D., Gonzalez-Garcia S., Feijoo G., Koutinas A., Moreira M.T.	Chemical Engineering Journal	0
1827	2022	Revising Concepts on Liquid–Liquid Extraction: Data Treatment and Data Reliability	Arce A., Arce A., Rodriguez O.	Journal of Chemical and Engineering Data	0
1828	2022	Analgesic and antiinflammatory effects of <i>Nigella orientalis</i> L. seeds fixed oil: Pharmacological potentials and molecular mechanisms	Ait Eldjoudi D., Ruiz-Fernandez C., Gonzalez-Rodriguez M., Ait Atmane S., Cordero-Barreal A., Farrag Y., Pino J., Sineiro J., Lago F., Conde-Aranda J., Khettal B., Gualillo O.	Phytotherapy Research	0
1829	2022	Towards industrial application of fungal pretreatment in 2G biorefinery: scale-up of solid-state fermentation of wheat straw	Pallin M.A., Gonzalez-Rodriguez S., Eibes G., Lopez-Abelairas M., Moreira M.T., Lema J.M., Lu-Chau T.A.	Biomass Conversion and Biorefinery	0
1830	2022	Enzymatic cometabolic biotransformation of organic micropollutants in wastewater treatment plants: A review	Kennes-Veiga D.M., Gonzalez-Gil L., Carballa M., Lema J.M.	Bioresource Technology	0
1831	2022	Monitoring morphological changes from activated sludge to aerobic granular sludge under distinct organic loading rates and increasing minimal imposed sludge settling velocities through quantitative image analysis	Silva S.A., Val del Rio A., Amaral A.L., Ferreira E.C., Madalena Alves M., Mesquita D.P.	Chemosphere	0
1832	2021	Encompassing health and nutrition with the adherence to the environmentally sustainable New Nordic Diet in Southern Europe	Cambeses-Franco C., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Journal of Cleaner Production	0
1833	2021	Corrigendum to “A novel strategy for triacylglycerides and polyhydroxyalkanoates productions using waste lipids” [Sci. Total Environ. 763 (2021) 14944] (Science of the Total Environment (2021) 763, (S0048969720364743), (10.1016/j.scitotenv.2020.142944))	Argiz L., Gonzalez-Cabaleiro R., Val del Rio A., Gonzalez-Lopez J., Mosquera-Corral A.	Science of the Total Environment	0
1834	2021	Bioconversion of organic pollutants in fish-canning wastewater into volatile fatty acids and polyhydroxyalkanoate	Palmeiro-Sanchez T., Campos J.L., Mosquera-Corral A.	International Journal of Environmental Research and Public Health	0
1835	2021	Aqueous extracts characteristics obtained by ultrasound-assisted extraction from <i>Ascophyllum nodosum</i> seaweeds: effect of operation conditions	Gisbert M., Barcala M., Rosell C.M., Sineiro J., Moreira R.	Journal of Applied Phycology	0

1836	2021	Solid-liquid phase behavior of mixtures of 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)amides involving long alkyl side chains	Stolarska O., Pawlowska-Zygarowicz A., Rodriguez H., Frydrych-Tomczak E., Smiglak M.	Journal of Molecular Liquids	0
1837	2021	Kinetics, absorption and regeneration of biphasic solvent with ethylpiperidine for carbon dioxide absorption	Gomez-Diaz D., Parajo M., Richoux O., La Rubia M.D., Rumbo A.	Fuel	0
1838	2021	Wastewater valorization: Practice around the world at pilot- and full-scale	Duque A.F., Campo R., Rio A.V., Amorim C.L.	International Journal of Environmental Research and Public Health	0
1839	2021	Identifying the sustainability route of asparagus co-product extraction: From waste to bioactive compounds	Santiago B., Feijoo G., Moreira M.T., Gonzalez-Garcia S.	Food and Bioproducts Processing	0
1840	2021	Aot + polyethylene glycol eutectics for enhanced oil recovery	Gallego C., Somoza A., Rodriguez H., Soto A.	Applied Sciences (Switzerland)	0
1841	2021	Open-culture biotechnological process for triacylglycerides and polyhydroxyalkanoates recovery from industrial waste fish oil under saline conditions	Argiz L., Gonzalez-Cabaleiro R., Correa-Galeote D., Val del Rio A., Mosquera-Corral A.	Separation and Purification Technology	0
1842	2021	Editorial overview: Sustainable solutions for renewable wastes	Gonzalez-Garcia S., Gullon B.	Current Opinion in Green and Sustainable Chemistry	0
1843	2021	Density, Speed of Sound, Viscosity, and Surface Tension of Hexamethylenetetramine + Water + Ethanol Ternary Mixtures from T = 293.15 to 323.15 K	Gomez-Diaz D., Navaza J.M.	Journal of Chemical and Engineering Data	0
1844	2021	Characterization of alkanolamine blends for carbon dioxide absorption. Corrosion and regeneration studies	Sanchez-Bautista A., Palmero E.M., Moya A.J., Gomez-Diaz D., La Rubia M.D.	Sustainability (Switzerland)	0
1845	2021	Monitoring the stability of aerobic granular sludge using fractal dimension analysis	Pavissich J.P., Camus N., Campos J.L., Franchi O., Pedrouso A., Carrera P., Val Del Rio A., Mosquera-Corral A.	Environmental Science: Water Research and Technology	0
1846	2021	Highly viscous fluid displaced by a chemically controlled reactive interface	Tafur N., Escala D.M., Soto A., Munuzuri A.P.	Chaos	0
1847	2021	Surface Tension of N-Methyldiethanolamine in Methanol or in Methanol Aqueous Solutions as a Solvent at Temperatures from 293.15 to 323.15 K	Alvarez E., Cerdeira F., Navaza J.M., Tamajon F.J.	Journal of Chemical and Engineering Data	0
1848	2021	Environmental footprint of critical agro-export products in the Peruvian hyper-arid coast: A case study for green asparagus and avocado	Esteve-Llorens X., Ita-Nagy D., Parodi E., Gonzalez-Garcia S., Moreira M.T., Feijoo G., Vazquez-Rowe I.	Science of the Total Environment	0

1849	2021	Tannin-based bio-adhesives for the wood panel industry as sustainable alternatives to petrochemical resins	Arias A., Gonzalez-Garcia S., Feijoo G., Moreira M.T.	Journal of Industrial Ecology	0
1850	2021	Establishing the multi-criteria roadmap and metrics for the evaluation of active films for food packaging	Arias A., Feijoo G., Moreira M.T.	Current Research in Green and Sustainable Chemistry	0
1851	2021	Analysis of curing of diglycidyl ether of bisphenol A (BADGE n = 0) with 2-adamantylethanamine	Fraga Lopez F., Valcarcel J., Soto V.H., Martinez Ageitos J.M., Rodriguez E., Vazquez Tato J.	Polymers for Advanced Technologies	0
1852	2020	Influence of the amine alkyl-chain upon carbon dioxide absorption in G-L-L reactor	Gomez-Diaz D., Brea U., Navaza J.M.	International Journal of Chemical Reactor Engineering	0
1853	2020	Environmental Implications of Discarding Fish in Northern Spanish Coastal Bottom Otter Trawl Fisheries	Garcia-Santiago X., Franco-Uria A., Antelo L.T., Moreira M.T., Feijoo G., Perez-Martin R.I.	Fisheries	0
1854	2020	[Granular aerobic systems: Viable technology for wastewater treatment and its reuse for chilean condominium, Sistemas granulares aerobios para el tratamiento descentralizado de aguas servidas y su reutilización en condominios en Chile]	Araneda N., Valenzuela-Heredia D., Campos J.L., Carrera P., Belmonte M., Mosquera-Corral A., Val de Rio A.	Ingeniare	0
1855	2020	Design and Characterization of Naphthalene Ionic Liquids	Fernandez-Stefanuto V., Somoza A., Corchero R., Tojo E., Soto A.	Frontiers in Chemistry	0
1856	2020	Assessment of a combined UASB and MBR process for treating wastewater from a seafood factory at different temperatures	Silva-Teira A., Vazquez-Padin J.R., Reif R., Arias A., Rogalla F., Garrido J.M.	Desalination and Water Treatment	0
1857	2020	Modeling future scenarios within the life cycle assessment framework under climate change conditions: Dairy sector as a study case	Guzman-Luna P., Mauricio-Iglesias M., Hospido A., Flysjo A.	11th International Conference on Simulation and Modelling in the Food and Bio-Industry, FOODSIM 2020	0
1858	2020	Chapter 2: Upstream Environmental Assessment	Camara-Salim I., Feijoo G., Moreira M.T.	RSC Green Chemistry	0
1859	2019	Technoeconomic analysis, life cycle assessment and economic analysis of wastewater and sludge treatment systems	Arias A., Feijoo G., Moreira M.T.	Wastewater Treatment Residues as Resources for Biorefinery Products and Biofuels	0
1860	2019	[Review about methodological characteristics and efficacy of interventions oriented to reduce water consuming, Revisión sobre las características metodológicas y la eficacia de intervenciones orientadas a reducir el consumo de agua]	Vila-Tojo S., Andrade E., Sabucedo J.M., Gonzalez-Garcia S., Moreira M.T., Feijoo G.	Universitas Psychologica	0

1861	2019	Targeted conversion of protein and glucose waste streams to volatile fatty acids by metabolic models	Regueira A., Bevilacqua R., Lema J.M., Carballa M., Mauricio-Iglesias M.	IFAC-PapersOnLine	0
1862	2019	Biodegradation of micropollutants and prospects for water and wastewater biotreatment	Forrez I., Boon N., Verstraete W., Carballa M.	Comprehensive Biotechnology Environmental	0
1863	2019	Water Footprint of Livestock Farming	Noya I., Lijo L., Pineiro O., Lopez-Carracelas R., Omil B., Barral M.T., Merino A., Feijoo G., Moreira M.T.	Footprints and Eco-Design of Products and Processes	0
1864	2019	Reprint of: Education of chemical engineering in Spain: A global picture	Feijoo G., Ibanez R., Herguido J., Partal P., Tobajas M., Sempere J., Lopez-Perez M.F., Rivero M.J.	Education for Chemical Engineers	0
1865	2019	Organosolv pretreated beech wood as a substrate for acetone butanol ethanol extractive fermentation	Gonzalez-Penas H., Lu-Chau T.A., Botana N., Moreira M.T., Lema J.M., Eibes G.	Holzforschung	0
1866	2018	Physico-Chemical Characterization of Two Epoxy Systems Using Porphyrins as Curing Agents	Fraga F., Vazquez Barreiro E.C., Jover A., Meijide F., Martinez Ageitos J.M., Vazquez Tato J.	Polymer Science - Series B	0
1867	2018	Preface	Pereira J.F.B., Ribeiro M.C.C., Soto A.	Fluid Phase Equilibria	0
1868	2018	Corrigendum to "Electron bifurcation mechanism and homoacetogenesis explain products yields in mixed culture anaerobic fermentations"[Water Res. 141(2018) 349–356] (S0043135418303750) (10.1016/j.watres.2018.05.013))	Regueira A., Gonzalez-Cabaleiro R., Ofiteru I.D., Rodriguez J., Lema J.M.	Water Research	0
1869	2018	Towards sustainable mobile systems configurations: Application to a tuna purse seiner	Garcia Rellan A., Vazquez Brea C., Bello Bugallo P.M.	Science of the Total Environment	0
1870	2018	Corrigendum to Biochem. Eng. J., 17 (2004) 91–97 by Y.O. Shin, E. Rodil and J.H. Vera (S1369703X0300144X) (10.1016/S1369-703X(03)00144-X))	Wilczek-Vera G., Dumortier Shin Y., Rodil E., Vera J.H.	Biochemical Engineering Journal	0
1871	2018	Erratum to: Reverse Micellar Extraction and Precipitation of Lysozyme Using Sodium Di(2-ethylhexyl) Sulfosuccinate (Biotechnology Progress, (2003), 19, 3, (928-935), 10.1021/bp025789r)	Wilczek-Vera G., Dumortier Shin Y.O., Rodil E., Vera J.H.	Biotechnology Progress	0

1872	2018	Manufacture of nutraceuticals from chestnut shells using environmentally friendly technologies	Gullon P., Eibes G., Davila I., Moreira M.T., Labidi J., Gullon B.	23rd International Congress of Chemical and Process Engineering, CHISA 2018 and 21st Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2018	0
1873	2018	Integral valorization of chestnut shells under a sustainable development approach	Morales A., Davila I., Eibes G., Gullon B., Gullon P., Labidi J.	23rd International Congress of Chemical and Process Engineering, CHISA 2018 and 21st Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2018	0
1874	2018	Equilibrium in electrolyte systems	Rodriguez O., Gomez E., Calvar N., Macedo E.A.	Thermodynamics of Phase Equilibria in Food Engineering	0
1875	2018	Ozone episodes over the southeast Iberian coast: Origin and recycling between two seas	Lopez-Munoz P., Rodriguez A., Cartelle D., Vellon J.M., Gonzalez J.A., Casares J.J.	WIT Transactions on Ecology and the Environment	0
1876	2018	Mussel shells' thermal valorisation and odour emissions	Bello Bugallo P.M., Rellan A.G., Frieiro C.B., Andrade L.C.	Mussels: Characteristics, Biology and Conservation	0
1877	2017	[Case study in jagua bay at south of Cuba using a coupling WRF/calmet, Caso de estudio en la bahía de jagua al sur de Cuba mediante un acoplamiento WRF/CALMET]	Hernandez-Garcés A., Gonzalez J.A., Casares J., Turtos L., Alvarez L., Jauregui-Haza U.	Revista Brasileira de Meteorologia	0
1878	2017	Ab initio study of intrinsic profiles of liquid metals and their reflectivity	Del Rio B.G., Souto J., Alemany M.M.G., Gonzalez L.E.	EPJ Web of Conferences	0

1879	2017	The Effect of Hybrid Carrageenan on the Thermo-rheological Properties of Gluten-Free Flour Doughs Using a Modified Kneading Protocol	Moreira R., Chenlo F., Torres M.D., Romani A.	Food and Bioprocess Technology	0
1880	2017	[The impact of endocrine disrupting chemicals on the environmental and their potential biotransformation by white-rot fungi and their oxidative enzymes, El impacto de los compuestos disruptores endocrinos sobre el medio ambiente y su potencial biotransformacion por hongos de pudricion blanca y sus enzimas oxidativas]	Taboada-Puig R., Moreira M.T., Agathos S.N., Lema J.M.	Revista Bionatura	0
1881	2016	Influence of hydraulic retention time on the psychrophilic hydrolysis/acidogenesis of proteins	Poirrier P., Schiappacasse M.C., Carballa M., Lema J.M.	Water Science and Technology	0
1882	2016	Temperature dependence of the properties of ternary systems ethanol + water + an aliphatic alkane (C6-C9)	Blanco A., Gayol A., Gomez-Diaz D., Navaza J.M.	Physics and Chemistry of Liquids	0
1883	2016	Wrf surface and upper air validation over central Chile during la niña-el niño transition	Carrera-Chapela F., Ruiz-Filippi G., Gonzalez J.A., Yarwood G., Johnson J.	HARMO 2016 - 17th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	0
1884	2016	Estimation of short odor events by using chemically reactive odorants atmospheric dispersion modelling around a pulp paper mill	Cartelle D., Vellon J.M., Rodriguez A., Valino D., Gonzalez J.A., Bao M., Casas C.	HARMO 2016 - 17th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	0
1885	2016	Q-safe erasmus training programme-teaching and student learning experiences	Cummins E., Membre J.-M., Vanimpe J., Koutsoumanis K., Bakalis S., Hospido A., Lede I.M., Valdramidis V.	9th International Conference on Simulation and Modelling in the Food and Bio-Industry 2016, FOODSIM 2016	0
1886	2016	Optimal experimental design in the evaluation of food packaging compliance with safety regulations	Mauricio-Iglesias M.	IFAC-PapersOnLine	0

1887	2016	Transformations, treatment, and prevention of water pollutants	Campos J.L., Mosquera-Corral A., Del Rio A.V., Belmonte M.	Journal of Chemistry	0
1888	2015	[Chemical precipitation of struvite: Nutrients recovery in conic fluidized bed reactor using a low-cost industrial magnesia compound, Precipitação química de estruvita: Recuperação de nutrientes em reator cônico de leito fluidizado utilizando magnésia industrial de baixo custo]	Castro S.R., Crutchik D., Garrido J.M., Lange L.C.	Engenharia Sanitaria e Ambiental	0
1889	2015	Toluene biodegradation in a solid/liquid system involving immobilized activated sludge and silicone oil as pollutant reservoir	Diz Castro M., Gomez-Diaz D., Amrane A., Couvert A.	Environmental Technology (United Kingdom)	0
1890	2014	Air pollutants emissions from cattle in Galicia, Spain	Moran M., Souto-Gonzalez J.A., Dios M.	WIT Transactions on Ecology and the Environment	0
1891	2014	Reduction of the Anaerobic Digestion Model No1 for an industrial wastewater treatment plant by principal component analysis	Dieguez C.G., Roca E., Bernard O.	2009 European Control Conference, ECC 2009	0
1892	2014	Coupling WRF and CALMET models: Evaluation during 15-day case study in a caribbean bay, Cuba	Gonzalez J.A., Hernandez-Garces A., Rodriguez A., Saavedra S., Casares J.J., Turtos L., Fonseca Y., Alvarez L.	HARMO 2014 - 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	0
1893	2014	A comparison of different WRF-CALMET simulations against surface and PBL rawinsonde data	Gonzalez J.A., Hernandez-Garces A., Rodriguez A., Saavedra S., Casares J.J.	HARMO 2014 - 16th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Proceedings	0
1894	2014	Thermal performance of a propylene glycol/alumina nanofluid under internal developing laminar flow	Farinas Alvarino P., Saiz Jabardo J.M., Garcia Del Valle J., Soto A.	Proceedings of the 15th International Heat Transfer Conference, IHTC 2014	0



1895	2013	Evaluating the Influence of Regional Gridded Emissions Distribution on Air Quality Simulation	Rodriguez A., Dios M., Saavedra S., Souto J.A.S., Casares J.J., Cartelle D., Vellon J.M., Borrego C., Miranda A.I., Ferreira J., Monteiro A., Gallego N., Saez A., Macho M.L.	NATO Science for Peace and Security Series C: Environmental Security	0
1896	2013	H15-105: Stack configuration and meteorological influences on the simulation of a large power plant plume	Souto J.A., Moral C., Hernandez-Garces A., Rodriguez A., Saavedra S., Casares J.J.	Proceedings of the 15th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, HARMO 2013	0
1897	2013	Self-optimising control of sewer systems	Mauricio-Iglesias M., Montero-Castro I., Mollerup A.L., Sin G.	IFAC Proceedings Volumes (IFAC-PapersOnline)	0
1898	2013	Application of fuzzy logic reasoning in environmental systems	Carrasco E.F., Garcia-Dieguez C., Herva M., Roca E.	Fuzzy Logic: Applications, Systems and Technologies	0
1899	2013	[Gases membrane permeable of zeolite ZSM-5 Permeabilitat de gasos en membranes de zeolita ZSM-5, Permeabilidad de gases en membranas de zeolita ZSM-5 Gases permeability un ZSM-5 membranes]	Garcia-Abuin A., Gomez-Diaz D., Lopez A.B., Navaza J.M.	Afinidad	0
1900	2012	Industrial energetic optimization methodology combining bat analysis and process simulation	Bello Bugallo P.M., Bernal Pampin M.A., Andrade L.C.	World Renewable Energy Forum, WREF 2012, Including World Renewable Energy Congress XII and Colorado Renewable Energy Society (CRES) Annual Conferen	0

1901	2012	Natural resources and human conflicts: Energy and evolution of the security concept	Bello Bugallo P.M., Del Carmen Taboada Gomez M., Prieto G.R., Andrade L.C.	World Renewable Energy Forum, WREF 2012, Including World Renewable Energy Congress XII and Colorado Renewable Energy Society (CRES) Annual Conferen	0
1902	2012	Biocatalysis in ionic liquids: Degradation of phenol by laccase	Tavares A.P.M., Pinho B., Rodriguez O., Macedo E.A.	CHISA 2012 - 20th International Congress of Chemical and Process Engineering and PRES 2012 - 15th Conference PRES	0
1903	2012	Gases separation by ZSM-5 based membranes	Lopez A.B., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M.	CHISA 2012 - 20th International Congress of Chemical and Process Engineering and PRES 2012 - 15th Conference PRES	0
1904	2012	Reply to response regarding "Multicorrelation models and uptake factors to estimate extractable metal concentrations from soil and metal in plants in pasturelands fertilized with manure" by Lopes et al. (2012)	Roca E.	Environmental Pollution	0
1905	2012	Reply to comment on "Multicorrelation models and uptake factors to estimate extractable metal concentrations from soil and metal in plants in pasturelands fertilized with manure" by Lopes et al. (2012)	Roca E.	Environmental Pollution	0
1906	2012	Corrigendum to: "Life Cycle Assessment of fresh Hake fillets captured by the Galician fleet in the Northern Stock" [Fish. Res. 110 (2011) 128-135]	Vazquez-Rowe I., Moreira M.T., Feijoo G.	Fisheries Research	0
1907	2012	Extraction and bioactive properties of grapeseed polyphenols	Sineiro J., Sanchez M., Nunez M.J.	Grapes: Cultivation, Varieties and Nutritional Uses	0

1908	2012	Aerobic granulation process for waste treatment	Figuerola M., Campos J.L., Mosquera-Corral A., Mendez R., Hung Y.-T.	Handbook of Environment and Waste Management: Air and Water Pollution Control	0
1909	2012	Potential therapeutic applications of common agro-food byproducts and chilean wild plants	Sineiro J., Rubilar M., Cascante M., Alvarez E., Sanchez M., Nunez M.J.	ACS Symposium Series	0
1910	2012	Improved start-up of OLAND sequencing batch reactors by means of hydraulic strategies.	Schaubroeck T., Bagchi S., De Clippeleir H., Carballa M., Verstraete W., Vlaeminck S.E.	Communications in agricultural and applied biological sciences	0
1911	2011	A systematic methodology for the assessment and troubleshooting of control strategies and operational problems in distillation systems	Mauricio-Iglesias M., Johansen K., Jrgensen S.B., Sin G.	11AIChE - 2011 AIChE Annual Meeting, Conference Proceedings	0
1912	2011	A systematic framework for optimisation of bioprocess operation under uncertainty: A lignocellulosic ethanol production case study	Morales-Rodriguez R., Mauricio-Iglesias M., Meyer A.S., Gernaey K.V., Sin G.	11AIChE - 2011 AIChE Annual Meeting, Conference Proceedings	0
1913	2011	Ionic liquids for improved liquid-liquid extraction processes	Rodriguez H., Lago S., Francisco M., Earle M.J., Holbrey J.D., Seddon K.R., Rogers R.D., Soto A., Arce A.	ACS National Meeting Book of Abstracts	0
1914	2011	Erratum to: A new strain of Bjerkandera sp. production, purification and characterization of versatile peroxidase (World J Microbiol Biotechnol, (2011), 27, 1, (115-122), 10.1007/s11274-010-0435-2)	Taboada-Puig R., Lu-Chau T., Moreira M.T., Feijoo G., Martinez M.J., Lema J.M.	World Journal of Microbiology and Biotechnology	0
1915	2011	Apparent viscosity of binary and ternary systems of tragacanth, guar gum and methylcellulose at semidilute range of concentration	Chenlo F., Moreira R., Pereira G., Silva C.	Journal of Food Process Engineering	0
1916	2011	A systematic framework for optimisation of bioprocess operation under uncertainty: A lignocellulosic ethanol production case study	Morales-Rodriguez R., Mauricio-Iglesias M., Meyer A.S., Gernaey K.V., Sin G.	Sustainable Engineering Forum: Core Programming Topic at the 2011 AIChE Annual Meeting	0

1917	2011	A systematic methodology for the assessment and troubleshooting of control strategies and operational problems in distillation systems	Mauricio-Iglesias M., Johansen K., Jrgensen S.B., Sin G.	Computing and Systems Technology Division - Core Programming Topic at the 2011 AIChE Annual Meeting	0
1918	2011	Air quality simulations for North America within Aqmeii initiative	Ferreira J., Rodriguez A., Monteiro A., Miranda A.I., Dios M., Souto J.A., Yarwood G., Nopmongcol U., Borrego C.	HARMO 2011 - Proceedings of the 14th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes	0
1919	2010	Viscosimetric behaviour of peg6000 aqueous solutions with and without low molecular weight alcohols	Garcia-Abuin A., Gomez-Diaz D., Regueiro L.	Electronic Journal of Environmental, Agricultural and Food Chemistry	0
1920	2010	Irtual autopilot system for helicopters UAV missions	Lema J.M., Royo P., Pastor E.	27th Congress of the International Council of the Aeronautical Sciences 2010, ICAS 2010	0
1921	2010	Hazardous materials evaporation rates after accidental release calculated with mass transfer models	Garcia-Abuin A., Vidal-Tato I., Gomez-Diaz D., Navaza-Dafonte J.M., Fernandez-Tobio S.	19th International Congress of Chemical and Process Engineering, CHISA 2010 and 7th European Congress of Chemical Engineering, ECCE-7	0
1922	2010	VIII Ibero-American conference on phase equilibria and fluid properties for process design	Arce A., Brignole E.A., Macedo E.A., de Loos T.W.	Fluid Phase Equilibria	0
1923	2010	Characterization of baking properties of chestnut dough	Chenlo F., Moreira R., Torres M.D.	Acta Horticulturae	0
1924	2010	Treatment of sanitary landfill leachates in a lab-scale Gradual Concentric Chamber (GCC) reactor	Mendoza L., Verstraete W., Carballa M.	Applied Biochemistry and Biotechnology	0
1925	2010	In vitro enzymatic generation of Mn(III)-malonate as a chemical oxidant of Orange II	Taboada-Puig R., Lu-Chau T., Moreira M.T., Feijoo G., Lema J.M.	Chemical Engineering Transactions	0

1926	2009	Well-to-wheel analysis of bioethanol production from flax shives	Gonzalez-Garcia S., Moreira M.T., Feijoo C., Luo L., Huppés C.	8th World Congress of Chemical Engineering: Incorporating the 59th Canadian Chemical Engineering Conference and the 24th Interamerican Congress of Chemical Engineering	0
1927	2009	[Absorption of CO <sub>2</sub> in bubble column reaction with alcalis, Absorción de CO <sub>2</sub> en columna de burbujeo por reacción con álcalis]	Blanco A., Garcia-Abuin A., Gomez-Diaz D., Navaza J.M., Sanjurjo B., Vidal-Tato I.	Afinidad	0
1928	2009	Conference report: Lake constance turns green	Adamova G., Ferguson J.L., Ng S., Puga A.V., Rodriguez H., Rountree S.M., Seddon K.R., Tomaszowska A.A.	Green Chemistry	0
1929	2008	A multi-compartmental model for estimating metal bioaccumulation in fish	Otero-Muras I., Franco A., Balsa-Canto E., Roca E., Alonso A.A.	Acta Horticulturae	0
1930	2008	[Determination of atmospheric parameters from spectral irradiance measurements for its application in air quality models, Determinación de parámetros atmosféricos procedentes de medidas de irradiancia espectral para su aplicación en modelos de calidad del aire]	Pettazzi A., Gonzalez J.A.S.	Afinidad	0
1931	2008	Surface tension of aqueous binary mixtures of 2-(methylamino)ethanol and 2-(ethylamino)ethanol and aqueous ternary mixtures of these amines with triethanolamine or N-methyldiethanolamine from (293.15 to 323.15) K (Journal of Chemical and Engineering Data (2008) 53 (318-321))	Alvarez E., Gomez-Diaz D., La Rubia M.D., Navaza J.M.	Journal of Chemical and Engineering Data	0
1932	2008	Influence of polyethylene glycols and polyethylene glycol dimethyl ethers upon the internal dynamics of water in oil microemulsions	Cid A., Garcia-Rio L., Gomez-Diaz D., Mejuto J.C.	Microemulsions: Properties and Applications	0
1933	2008	Regional transport of tropospheric ozone: A case study in the northwest coast of Iberian Peninsula	Saavedra S., Mendez M.R., Souto J.A., Bermudez J.L., Vellon M., Costoya M.	NATO Science for Peace and Security Series C: Environmental Security	0
1934	2008	Modelling of the rheological behaviour of the ternary systems of tragacanth, guar and methylcellulose as a function of concentration and temperature	Silva C., Chenlo F., Moreira R., Pereira G.	Gums and Stabilisers for the Food Industry 14	0

1935	2008	Maximum removal rate of propionic acid as sole carbon source in UASB reactors by macro and micro nutrients stimulation.	Ma J., Mungoni L.J., Carballa M., Verstraete W.	Communications in agricultural and applied biological sciences	0
1936	2008	Fluorescence in situ hybridization (FISH) to elucidate structure and diversity in granular biomass for the treatment of nitrogenous wastewater.	Vlaeminck S.E., Terada A., Carballa M., De Clippeleir H., Boon N., Smets B.F., Verstraete W.	Communications in agricultural and applied biological sciences	0
1937	2008	Rehydration kinetics of hot-air dried chestnuts	Moreira R., Chenlo F., Chaguri L., Fernandes C.	Acta Horticulturae	0
1938	2008	Diffusion of water in chestnut fruits during drying and rehydration processes at different temperatures	Moreira R., Chenlo F., Chaguri L., Fernandes C.	Defect and Diffusion Forum	0
1939	2007	Poster 25 Impact of meteorological factors on turbulent dispersion over complex terrain	Saavedra S., Souto J.A., Vila-Guerau de Arellano J.	Developments in Environmental Science	0
1940	2007	[Pilot-scale extraction of polyphenolic antioxidants from grape pomace, vars.Albariño and Mencía, Extracción a escala planta piloto de antioxidantes polifenólicos de bagazo de uva, variedades Albariño y Mencía]	Sanchez M., Sineiro J., Nunez M.J.	Afinidad	0
1941	2007	[Anaerobic treatment of fibreboard manufacturing wastewater: Comparison between an UASB reactor and an anaerobic filter, Tratamiento anaerobio de los efluentes generados durante la fabricación de tableros de fibra: Comparación de un reactor UASB y un filtro anaerobio]	Fernandez J.M., Carballa M., Omil F., Lema J.M.	Afinidad	0
1942	2007	[Application of the pollution prevention and control policy in Galicia: Integrated environmental permit, Aplicación de la legislación de prevención y control integrados de la contaminación en Galicia: Autorización Ambiental Integrada]	Bello P.M., Torres M.T., Barros M.C., Valino S., Casares J.J.	Afinidad	0
1943	2007	[Complex rheological fluids in absorption processes, Fluidos reológicamente complejos en procesos de absorción]	Gomez-Diaz D., Navaza J.M.	Ingenieria Quimica	0
1944	2007	PV generation of hydrogen for operational rawinsonde usage: Design and economic analysis	Pettazzi A., Torres C.M., Souto J.A., Bello P.	Renewable Energy and Power Quality Journal	0
1945	2007	[Life cycle assessment (and III): Practical case, Análisis de ciclo de vida (Y III): Caso práctico]	Feijoo Costa G., Gonzalez Garcia S., Gallego Schmid A., Hospido Quintana A., Moreira Vilar M.T.	Ingenieria Quimica	0

1946	2006	Analysis of pharmaceutical compound in residual water of a hospital	Gomez M., Vazquez M.J., Tejeiro A., Carballa M., Omil F.	American Water Works Association - Water Quality Technology Conference and Exposition 2006: Taking Water Quality to New Heights	0
1947	2006	Energy and material flow analysis: Application to the storage stage of clay in the roof tile manufacture	Torres M.T., Bello P.M., Casares J.J., Rodriguez-Blas J.M.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1948	2006	Integrated pollution prevention and control in the surface treatment industries in Galicia (NW Spain)	Barros M.C., Torres M.T., Bello P.M., Roca E., Casares J.J.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1949	2006	Textural analysis of dried and defrost chestnuts	Moreira R., Chenlo F., Abelenda N., Vazquez M.J.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1950	2006	Effect of chain length upon physical properties of aqueous solutions of surfactants	Gomez-Diaz D., Navaza J.M., Sanjurjo B., Vazquez-Orgeira L.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1951	2006	Convective drying rate curves of pre-treated chestnuts by means of osmotic processes	Moreira R., Chenlo F., Chaguri L.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1952	2006	Rheology of hydrocolloids blends (carboxymethyl cellulose + $\kappa$ -carrageenan + water)	Gomez-Diaz D., Navaza J.M., Quintans-Riveiro L.	CHISA 2006 - 17th International Congress of Chemical and Process Engineering	0
1953	2006	Calorimetric study of the system clorhydrate of chitosan/glutaraldehyde(1, 5-pentanedial)	Fraga F., Blanco J., Luzardo A., Leira L., Rodriguez-Nunez E., Martinez-Ageitos J.M., Castro-Diaz C.	Journal of Applied Polymer Science	0

1954	2006	[Treatment of effluents from a laboratory of dairy products assays for reusing the treated wastewater in the irrigation of green recreational zones, Tratamiento de las aguas residuales de un laboratorio de ensayos lácteos para su reuso en el riego de zonas verdes recreativas]	Rico I.R., Uria A.F., Carrasco E.F., Bordello E.R.	Afinidad	0
1955	2006	[Influence of the operating conditions in a municipal waste water treatment plant on biomass sedimentability characteristics. 2. Biomass study, Influencia de las condiciones de operación de una EDAR municipal en las características de sedimentabilidad de la biomasa 2. Estudio morfológico y estructural de la biomasa]	Moron L.M., Laino H., Omil F.	Tecnología del Agua	0
1956	2006	[Influence of the operating conditions in a municipal waste water treatment plant on biomass sedimentability characteristics. 1. Description and analysis of the operation of the waste water treatment plant, Influencia de las condiciones de operación de una EDAR municipal en las características de sedimentabilidad de la biomasa. 1. Descripción y análisis de la operación de la EDAR]	Moron L.M., Laino H., Omil F.	Tecnología del Agua	0
1957	2006	Risk analysis in the chemical industry: An urea-formaldehyde resins case	Quintana A., Lopez-Doval L., Rodriguez R., Souto J.A., Casares J.J.	WIT Transactions on Ecology and the Environment	0
1958	2006	[Commissioning ANAMMOX reactors using sewage plant sludge, Puesta en marcha de reactores ANAMMOX a partir de lodos de depuradoras]	Dapena-Mora A., Mosquera-Corral A., Campos J.L., Mendez R.	Tecnología del Agua	0
1959	2005	Optimization under fuzzy if-then rules using stochastic algorithms	Rodriguez J.R., Mendez M.R., Carrasco E.F.	Computer Aided Chemical Engineering	0
1960	2005	Screening of white-rot fungal strains in a saline slurry system: Bioremediation of PAHs	Valentin L., Feijoo G., Moreira M.T., Lema J.M.	Proceedings of the 8th International In Situ and On-Site Bioremediation Symposium	0
1961	2005	Time course degradation of PAHs by three potential white-rot fungi under saline conditions	Valentin L., Feijoo G., Moreira M.T., Lema J.M.	Proceedings of the 8th International In Situ and On-Site Bioremediation Symposium	0



1962	2005	Bioremediation of a beach affected by the prestige	Garrido-Fernandez J.M., Fernandez-Alvarez P., Lema J.M., Vila J., Grifoll M.	Proceedings of the 8th International In Situ and On-Site Bioremediation Symposium	0
1963	2005	Use of neural networks to predict densities and viscosities of ternary aqueous mixtures of alkanolamines	Cancela M.A., Garcia-Rosello E., La Rubia M.D., Navaza J.M.	7th World Congress of Chemical Engineering, GLASGOW2005, incorporating the 5th European Congress of Chemical Engineering	0
1964	2005	Operation of a continuous enzymatic reactor for the degradation of anthracene in media containing an organic solvent	Feijoo G., Eibes G.M., Moreira M.T., Lema J.M.	7th World Congress of Chemical Engineering, GLASGOW2005, incorporating the 5th European Congress of Chemical Engineering	0
1965	2005	[Multimedia modelling as a tool of environmental impact management (II), Modelización multimedio como herramienta para la gestión de impactos ambientales (II)]	Silva Gomez A., Roget Salgado F., Bello Bugallo P.M., Casares Long J.J.	Afinidad	0
1966	2005	Drying kinetics of chestnut (castanea sativa miller): Dependency of the variety and experimental conditions	Chenlo F., Moreira R., Chaguri L., Santos F.	Acta Horticulturae	0
1967	2005	Temperature effect on sugar concentration and moisture profiles during osmotic dehydration of chestnut fruits	Chenlo F., Moreira R., Fernandez-Herrero C.	Acta Horticulturae	0
1968	2005	[Multimedia modeling as a tool of environmental impact management (I), Modelización multimedio como herramienta para la gestión de impactos ambientales (I)]	Silva Gomez A., Roget Salgado F., Bello Bugallo P.M., Casares Long J.J.	Afinidad	0
1969	2004	Transient state detection and prediction of organic overload in anaerobic digestion process using statistical tools	Ruiz G., Castellano M., Gonzalez W., Roca E., Lema J.M.	IFAC Proceedings Volumes (IFAC-PapersOnline)	0
1970	2003	Evaluación ambiental de las diferentes vías de obtención del ETBE	Hospido A., Moreira M.T., Feijoo G.	Ingenieria Quimica	0
1971	2002	Modelling the episodic pollutants deposition over the EMEP 17,6 cell	Souto J.A., Mendez M.R., Casares J.J., Lucas T., Carmichael G.R.	Advances in Air Pollution	0

1972	2002	[Adsorption of sodium on O2-prebleached Eucalyptus globulus kraft pulp, Adsorção de sódio em celulose kraft de Eucalyptus globulus, pré-branqueada com O2]	Vazquez G., Lopez M., Gonzalez J., Antorrena G.	O Papel (Brazil)	0
1973	2002	Proceso de fabricación de bioetanol (II)	Lopez Silva A.B., Lopez Facal X., Feijoo Costa G.	Ingenieria Quimica	0
1974	2002	Oxygen delignification as a pretreatment for acetosolv pulps bleaching	Vazquez G., Freire S., Gonzalez J., Antorrena G.	Tappi Journal	0
1975	2002	[Kraft pulp bleaching of Eucalyptus globulus by Phanerochaete chrysosporium, Blanqueo de pasta Kraft de Eucalyptus globulus por Phanerochaete chrysosporium]	Moreira M.T., Maceiras A., Lema J.M., Feijoo G.	Afinidad	0
1976	2002	Eliminación de pesticidas en aguas residuales	Rivera Arias A., Moreira Vilar M.T., Feijoo Costa G.	Ingenieria Quimica	0
1977	2002	Viscosities of binary and ternary aqueous solutions of 2-amino-2-methylpropan-1-ol, 2-amino-2-methylpropane-1,3-diol, and 2-amino-2-methylpropan-1-ol hydrochloride	Chenlo F., Moreira R., Pereira G., Vazquez M.-J.	Collection of Czechoslovak Chemical Communications	0
1978	2001	[Life cycle analysis as a tool for assessing new waste water treatment systems. A case study of textile industry effluent, Análisis del ciclo de vida como herramienta de evaluación de nuevos sistemas de depuración de aguas residuales. Caso práctico: Efluentes de la industria textil]	Hospido A., Novo E., Feijoo M.T.M.G.	Tecnologia del Agua	0
1979	2001	[Densities of binary and ternary aqueous solutions of monoethanolamine, diethanolamine and 2-amine-2-methyl-1-propanol, Densidades de disoluciones acuosas binarias y ternarias que incluyen monoetanolamina, dietanolamina y 2-amino-2 metil-1-propanol]	Chenlo F., Moreira R., Pereira G., Vazquez M.J.	Informacion Tecnologica	0
1980	2000	A comparison of three different dry deposition velocities in STEM-II applied around as Pontes Power Plant	Filla M., Mendez M.R., Souto J.A., Casares J.J., Lucas T., Carmichael G.R.	Advances in Air Pollution	0
1981	2000	[Development and application of a control gauss plume model to estimate thermal impact of an emission in the atmosphere, Desarrollo y aplicación de un modelo de penacho gaussiano regulatorio para la estimación del impacto térmico de una emisión a la atmósfera]	Souto J.A., De Castro M.C.	Afinidad	0
1982	2000	[Preliminary analysis of the mobilization/deposition of heavy metals in the river Eume-dam: Application with reference to manganese, Análisis preliminar de la movilización/deposición de metales pesados en el sistema río Eume-embalse: Aplicación al manganeso]	Bello Bugallo P.M., Souto Gonzalez J.A., Casares Long J.J., Lucas Domiguez T.	Afinidad	0

1983	2000	[Influence of surface tension on interfacial area and mass transfer coefficient in a bubble column, Efecto de la tensión superficial sobre el área interfacial y el coeficiente de transferencia de materia en una columna de burbujeo]	Vazquez G., Cancela M.A., Alvarez E., Navaza J.M.	Afinidad	0
1984	2000	Rebuttal to comments on 'design of a combined mixing rule for the prediction of vapor-liquid equilibria using neural networks' [2]	Alvarez E., Cottea J.M., Navaza J.M., Riverol C.	Industrial and Engineering Chemistry Research	0
1985	1999	Application of a fuzzy controller for the isomerized hop pellets production	Alvarez Estrella, Navaza J.M., Riverol Carmen	Proceedings of the American Control Conference	0
1986	1999	An approach to control of bioreactors. Application of the gain-scheduling method	Alvarez E., Riverol C., Correa J.M., Navaza J.M.	Journal of Automated Methods and Management in Chemistry	0
1987	1998	[Coagulation dosage control using flow potential, Control de la dosificación de coagulante mediante el potencial de flujo]	Moreira M.T., Lucas T., Lema J.M.	Tecnologia del Agua	0
1988	1998	Pulp biobleaching and MnP production by the white rot fungus Bjerkandera BOS55 in the absence of manganese	Feijoo Gumersindo, Mester Tunde, Field Jim A., Moreira M.Teresa, Alvarez Reyes Sierra	Proceedings of the International Conference on Biotechnology in the Pulp and Paper Industry	0
1989	1997	[Psychrophilic anaerobic treatment (10-12°C) of low strength wastewaters. Study of an expanded granular sludge bed (EGSB) reactor, Tratamiento anaerobio de aguas residuales de baja carga en condiciones psicrófilas (10-12°C). Estudio en un reactor de lodos granulares de lecho expandido (EGSB)]	Rebac S., Omil F., Van Lier J.B., Lettinga G.	Tecnologia del Agua	0
1990	1997	Stochastic algorithms for the optimal control of complex bioprocesses	Banga J.R., Carrasco E.F.	ECC 1997 - European Control Conference	0
1991	1997	Vapor-liquid equilibria of 2-methoxy-2-methylbutane + methanol + water at 101.32 kPa	Arce A., Blanco A., Martinez-Ageitos J., Soto A.	Journal of Chemical and Engineering Data	0
1992	1997	Computational cost of the simulation of chemical reactions in a Lagrangian puff model	Souto J.A., Mendez M.R., Casares J.J., Lucas T.	International Series on Advances in High Performance Computing	0
1993	1996	Modelo meteorológico de micro-escala para la predicción de la inmisión de una Central Térmica	Perez-Munuzuri V., Miguez G., Souto M.J., Souto J.A., Casares J.J.	Anales de Fisica (Spain)	0

1994	1996	Dynamic model for the chemistry of Manganese at River Eume	Bello P., Souto J.A., Casares J.J., Lucas T.	Proceedings of the International Conference on Development and Application of Computer Techniques to Environmental Studies	0
1995	1996	Efluentes en el proceso kraft. Biodegradabilidad anaerobia y toxicidad	Vidal G., Mendez R., Lema J.M., Soto M.	Ingenieria Quimica	0
1996	1991	Diseño de redes de intercambiadores de calor con utilidades multiples por programacion lineal	Rodriguez A., Souto J.A., Casares J.J.	Trabajos de Investigacion Operativa	0
1997	1988	Effect of various schemes in a multicomponent distillation system	Long J.J.C., Burney A.H.	Chemical Engineering and Processing	0
1998	1987	Dynamic simulation of an air-water wetted wall column: Comparison of experimental and numerical results	Videla S., Sola C., Lema J.M.	Computers and Chemical Engineering	0
1999	1986	PREDICTION OF VAPOR-LIQUID EQUILIBRIA IN BINARY SYSTEMS USING THE UNIFAC METHOD. COMPARISON BETWEEN THE OH AND THE CCOH GROUPS IN ALCOHOLS.	Arce A., Blanco A., Tojo J.	International chemical engineering	0