

Inmaculada Ortiz

List of Publications by Year in descending order

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404
papers

16,224
citations

18436

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28224

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409
all docs

409
docs citations

409
times ranked

14232
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art and review on the treatment technologies of water reverse osmosis concentrates. <i>Water Research</i> , 2012, 46, 267-283.	5.3	606
2	Pharmaceutical Industry Wastewater: Review of the Technologies for Water Treatment and Reuse. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11571-11592.	1.8	586
3	Contributions of electrochemical oxidation to waste-water treatment: fundamentals and review of applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1747-1755.	1.6	484
4	Arsenic and fluoride contaminated groundwaters: A review of current technologies for contaminants removal. <i>Journal of Environmental Management</i> , 2015, 162, 306-325.	3.8	427
5	State-of-the-art and perspectives of the catalytic and electrocatalytic reduction of aqueous nitrates. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 42-59.	10.8	354
6	Recent progress and future challenges on the use of high performance magnetic nano-adsorbents in environmental applications. <i>Chemical Engineering Journal</i> , 2014, 256, 187-204.	6.6	325
7	Review and perspectives on the use of magnetic nanophotocatalysts (MNPCs) in water treatment. <i>Chemical Engineering Journal</i> , 2017, 310, 407-427.	6.6	247
8	Progress in the use of ionic liquids as electrolyte membranes in fuel cells. <i>Journal of Membrane Science</i> , 2014, 469, 379-396.	4.1	244
9	Liquid membrane technology: fundamentals and review of its applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 2-10.	1.6	196
10	Electro-oxidation of reverse osmosis concentrates generated in tertiary water treatment. <i>Water Research</i> , 2010, 44, 2763-2772.	5.3	193
11	Removal of pharmaceuticals from a WWTP secondary effluent by ultrafiltration/reverse osmosis followed by electrochemical oxidation of the RO concentrate. <i>Desalination</i> , 2013, 331, 26-34.	4.0	186
12	Boron-doped diamond anodic treatment of landfill leachate: Evaluation of operating variables and formation of oxidation by-products. <i>Water Research</i> , 2011, 45, 828-838.	5.3	179
13	Insight on the fundamentals of advanced oxidation processes. Role and review of the determination methods of reactive oxygen species. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 796-820.	1.6	176
14	Photo-Fenton process as an efficient alternative to the treatment of landfill leachates. <i>Journal of Hazardous Materials</i> , 2008, 153, 834-842.	6.5	173
15	Photocatalytic degradation and mineralization of perfluorooctanoic acid (PFOA) using a composite TiO ₂ /rGO catalyst. <i>Journal of Hazardous Materials</i> , 2018, 344, 950-957.	6.5	159
16	Global diagnosis of nitrate pollution in groundwater and review of removal technologies. <i>Science of the Total Environment</i> , 2022, 810, 152233.	3.9	158
17	Pilot Scale Performance of the Electro-Oxidation of Landfill Leachate at Boron-Doped Diamond Anodes. <i>Environmental Science & Technology</i> , 2009, 43, 2035-2040.	4.6	157
18	Kinetics of electro-oxidation of ammonia-N, nitrites and COD from a recirculating aquaculture saline water system using BDD anodes. <i>Water Research</i> , 2011, 45, 125-134.	5.3	149

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19	Recent progress in development of high performance polymeric membranes and materials for metal plating wastewater treatment: A review. <i>Journal of Water Process Engineering</i> , 2016, 9, 78-110.	2.6	143
20	Ammonium removal from landfill leachate by anodic oxidation. <i>Journal of Hazardous Materials</i> , 2007, 144, 715-719.	6.5	141
21	Comprehensive review and future perspectives on the photocatalytic hydrogen production. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3049-3063.	1.6	136
22	A novel group contribution method in the development of a QSAR for predicting the toxicity (Vibrio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	134
23	Assessment of the formation of inorganic oxidation by-products during the electrocatalytic treatment of ammonium from landfill leachates. <i>Water Research</i> , 2012, 46, 2579-2590.	5.3	133
24	Nanofiltration separation of polyvalent and monovalent anions in desalination brines. <i>Journal of Membrane Science</i> , 2015, 473, 16-27.	4.1	131
25	Mixed gas separation study for the hydrogen recovery from H ₂ /CO/N ₂ /CO ₂ post combustion mixtures using a Matrimid membrane. <i>Journal of Membrane Science</i> , 2011, 378, 359-368.	4.1	127
26	Laboratory and pilot plant scale study on the electrochemical oxidation of landfill leachate. <i>Journal of Hazardous Materials</i> , 2010, 181, 729-735.	6.5	123
27	Removal and recovery of Cr(VI) from polluted ground waters: A comparative study of ion-exchange technologies. <i>Water Research</i> , 2005, 39, 4317-4324.	5.3	122
28	Membrane-based photocatalytic systems for process intensification. <i>Chemical Engineering Journal</i> , 2016, 305, 136-148.	6.6	120
29	Electrochemical Treatment of Landfill Leachates Using a Boron-Doped Diamond Anode. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1439-1446.	1.8	116
30	Role of reactive oxygen species on the activity of noble metal-doped TiO ₂ photocatalysts. <i>Journal of Hazardous Materials</i> , 2019, 372, 45-51.	6.5	113
31	Membrane Reactors for <i>in Situ</i> Water Removal: A Review of Applications. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10342-10354.	1.8	109
32	Significance, evolution and recent advances in adsorption technology, materials and processes for desalination, water softening and salt removal. <i>Journal of Environmental Management</i> , 2018, 215, 324-344.	3.8	108
33	Overview of the PCDD/Fs degradation potential and formation risk in the application of advanced oxidation processes (AOPs) to wastewater treatment. <i>Chemosphere</i> , 2015, 118, 44-56.	4.2	102
34	Challenges and prospects of renewable hydrogen-based strategies for full decarbonization of stationary power applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111628.	8.2	100
35	Pervaporative dehydration of industrial solvents using a zeolite NaA commercial membrane. <i>Separation and Purification Technology</i> , 2003, 32, 207-213.	3.9	93
36	Room temperature ionic liquid with silver salt as efficient reaction media for propylene/propane separation: Absorption equilibrium. <i>Separation and Purification Technology</i> , 2008, 63, 311-318.	3.9	91

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37	Extraction of Cr(VI) with aliquat 336 in hollow fiber contactors: mass transfer analysis and modeling. <i>Chemical Engineering Science</i> , 1994, 49, 901-909.	1.9	89
38	Kinetic study of the simultaneous electrochemical removal of aqueous nitrogen compounds using BDD electrodes. <i>Chemical Engineering Journal</i> , 2012, 197, 475-482.	6.6	86
39	Equilibrium and kinetics of chromium(VI) extraction with Aliquat 336. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1516-1522.	1.8	84
40	Acid and base recovery from softened reverse osmosis (RO) brines. Experimental assessment using model concentrates. <i>Desalination</i> , 2013, 309, 165-170.	4.0	83
41	Fabrication, tuning and optimization of poly (acrylonitrile) nanofiltration membranes for effective nickel and chromium removal from electroplating wastewater. <i>Separation and Purification Technology</i> , 2017, 187, 46-59.	3.9	82
42	Kinetic Analysis of the Simultaneous Nondispersive Extraction and Back-Extraction of Chromium(VI). <i>Industrial & Engineering Chemistry Research</i> , 1996, 35, 1369-1377.	1.8	81
43	Conductivity Mechanism in Polymerized Imidazolium-Based Protic Ionic Liquid [HSO ₃ â€“BVIIm][OTf]: Dielectric Relaxation Studies. <i>Macromolecules</i> , 2014, 47, 4056-4065.	2.2	81
44	Kinetics of the electrochemical mineralization of perfluorooctanoic acid on ultrananocrystalline boron doped conductive diamond electrodes. <i>Chemosphere</i> , 2015, 129, 20-26.	4.2	81
45	Integrated treatment of landfill leachates including electrooxidation at pilot plant scale. <i>Journal of Hazardous Materials</i> , 2009, 166, 1530-1534.	6.5	80
46	Kinetics of the separation-concentration of chromium(VI) with emulsion liquid membranes. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1523-1529.	1.8	76
47	Vacuum membrane distillation of the main pear aroma compound: Experimental study and mass transfer modeling. <i>Journal of Membrane Science</i> , 2009, 326, 64-75.	4.1	75
48	Copper(I)-containing supported ionic liquid membranes for carbon monoxide/nitrogen separation. <i>Journal of Membrane Science</i> , 2013, 438, 38-45.	4.1	74
49	Influence of the membrane properties on the catalytic production of dimethyl ether with in situ water removal for the successful capture of CO ₂ . <i>Chemical Engineering Journal</i> , 2013, 234, 140-148.	6.6	74
50	Experimental and Theoretical Analysis of a Nondispersive Solvent Extraction Pilot Plant for the Removal of Cr(VI) from a Galvanic Process Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1666-1675.	1.8	73
51	Experimental study of the separation of propane/propylene mixtures by supported ionic liquid membranes containing Ag+â€“RTILs as carrier. <i>Separation and Purification Technology</i> , 2012, 97, 83-89.	3.9	73
52	Reactive Ionic Liquid Media for the Separation of Propylene/Propane Gaseous Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7227-7233.	1.8	72
53	TiO ₂ structures doped with noble metals and/or graphene oxide to improve the photocatalytic degradation of dichloroacetic acid. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12628-12637.	2.7	72
54	Nitrate removal from electro-oxidized landfill leachate by ion exchange. <i>Journal of Hazardous Materials</i> , 2009, 164, 389-393.	6.5	69

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55	Polymer-ionic liquid composite membranes for propane/propylene separation by facilitated transport. <i>Journal of Membrane Science</i> , 2013, 444, 164-172.	4.1	68
56	Photocatalytic oxidation of grey water over titanium dioxide suspensions. <i>Desalination</i> , 2010, 262, 141-146.	4.0	67
57	Advanced technologies for water treatment and reuse. <i>AIChE Journal</i> , 2015, 61, 3146-3158.	1.8	67
58	Synthesis and gas separation properties of poly(ionic liquid)-ionic liquid composite membranes containing a copper salt. <i>Journal of Membrane Science</i> , 2016, 515, 109-114.	4.1	66
59	A Perspective of Solutions for Membrane Instabilities in Olefin/Paraffin Separations: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10071-10085.	1.8	66
60	An overview of the mathematical modelling of liquid membrane separation processes in hollow fibre contactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1583-1614.	1.6	65
61	Screening of RTILs for propane/propylene separation using COSMO-RS methodology. <i>Chemical Engineering Journal</i> , 2013, 220, 284-293.	6.6	65
62	Modeling and Optimization of an Emulsion Pertraction Process for Removal and Concentration of Cr(VI). <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5891-5899.	1.8	64
63	Characterisation and management of incinerator wastes. <i>Journal of Hazardous Materials</i> , 2000, 79, 215-227.	6.5	63
64	Supported liquid membranes for the separation-concentration of phenol. 1. Viability and mass-transfer evaluation. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 877-886.	1.8	62
65	Kinetics of ultrasound-enhanced electrochemical oxidation of diuron on boron-doped diamond electrodes. <i>Chemical Engineering Journal</i> , 2011, 172, 1016-1022.	6.6	62
66	Hydrogen separation from multicomponent gas mixtures containing CO, N ₂ and CO ₂ using Matrimid® asymmetric hollow fiber membranes. <i>Journal of Membrane Science</i> , 2012, 419-420, 49-56.	4.1	62
67	Analysis of separators for magnetic beads recovery: From large systems to multifunctional microdevices. <i>Separation and Purification Technology</i> , 2017, 172, 16-31.	3.9	61
68	Membrane mass transport coefficient for the recovery of Cr(VI) in hollow fiber extraction and back-extraction modules. <i>Journal of Membrane Science</i> , 1996, 118, 213-221.	4.1	60
69	Comparative performance of Salinity Gradient Power-Reverse Electrodialysis under different operating conditions. <i>Desalination</i> , 2019, 457, 8-21.	4.0	60
70	Extraction of Anions with Aliquat 336: Chemical Equilibrium Modeling. <i>Industrial & Engineering Chemistry Research</i> , 1994, 33, 1765-1770.	1.8	59
71	Comparison of liquid membrane processes for the removal of cadmium from wet phosphoric acid. <i>Journal of Membrane Science</i> , 2000, 164, 229-240.	4.1	59
72	An Integrated Process, Fenton Reaction~Ultrafiltration, for the Treatment of Landfill Leachate:~ Pilot Plant Operation and Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 946-952.	1.8	59

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73	Remediation of wastewaters containing tetrahydrofuran. Study of the electrochemical mineralization on BDD electrodes. <i>Chemical Engineering Journal</i> , 2014, 239, 341-350.	6.6	59
74	Functionalized magnetic nanoparticles as new adsorption materials for arsenic removal from polluted waters. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 909-918.	1.6	59
75	Performance of PEMFC with new polyvinyl-ionic liquids based membranes as electrolytes. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3970-3977.	3.8	58
76	Comparative study of the separation of methanol-methyl acetate mixtures by pervaporation and vapor permeation using a commercial membrane. <i>Journal of Membrane Science</i> , 2006, 280, 582-593.	4.1	57
77	Electrochemical oxidation of landfill leachates at pilot scale: evaluation of energy needs. <i>Water Science and Technology</i> , 2010, 61, 2211-2217.	1.2	57
78	PSA purification of waste hydrogen from ammonia plants to fuel cell grade. <i>Separation and Purification Technology</i> , 2020, 240, 116334.	3.9	57
79	Selective membrane alternative to the recovery of zinc from hot-dip galvanizing effluents. <i>Journal of Membrane Science</i> , 2009, 326, 672-680.	4.1	56
80	LCA of greywater management within a water circular economy restorative thinking framework. <i>Science of the Total Environment</i> , 2018, 621, 1047-1056.	3.9	56
81	Membrane contactors for the recovery of metallic compounds. <i>Journal of Membrane Science</i> , 2005, 257, 161-170.	4.1	55
82	Separation of Olefin/Paraffin Gas Mixtures Using Ceramic Hollow Fiber Membrane Contactors. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7918-7929.	1.8	53
83	Influence of radiation and TiO ₂ concentration on the hydroxyl radicals generation in a photocatalytic LED reactor. Application to dodecylbenzenesulfonate degradation. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 165-169.	10.8	53
84	Thermal dehydration of calcium hydroxide. 1. Kinetic model and parameters. <i>Industrial & Engineering Chemistry Research</i> , 1990, 29, 1599-1606.	1.8	51
85	Quantitative Assessment of the Formation of Polychlorinated Derivatives, PCDD/Fs, in the Electrochemical Oxidation of 2-Chlorophenol As Function of the Electrolyte Type. <i>Environmental Science & Technology</i> , 2013, 47, 12400-12408.	4.6	51
86	Kinetic performance of TiO ₂ /Pt/reduced graphene oxide composites in the photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 101-109.	3.8	51
87	Kinetic modelling of cadmium removal from phosphoric acid by non-dispersive solvent extraction. <i>Journal of Membrane Science</i> , 1997, 130, 193-203.	4.1	49
88	Optimisation of azeotropic distillation columns combined with pervaporation membranes. <i>Computers and Chemical Engineering</i> , 2002, 26, 563-573.	2.0	49
89	On the improved absorption of carbon monoxide in the ionic liquid 1-hexyl-3-methylimidazolium chlorocuprate. <i>Separation and Purification Technology</i> , 2012, 97, 65-72.	3.9	47
90	Comparative study of the destruction of polychlorinated dibenzo-p-dioxins and dibenzofurans during Fenton and electrochemical oxidation of landfill leachates. <i>Chemosphere</i> , 2013, 90, 132-138.	4.2	47

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91	Separation of Cr (VI) with Aliquat 336: Chemical Equilibrium Modeling. Separation Science and Technology, 1997, 32, 1543-1555.	1.3	46
92	The role of liquid membranes in the selective separation and recovery of zinc for the regeneration of Cr(III) passivation baths. Journal of Membrane Science, 2010, 356, 88-95.	4.1	46
93	Electrochemical oxidation of saline industrial wastewaters using boron-doped diamond anodes. Catalysis Today, 2010, 151, 178-184.	2.2	46
94	Improved separation of bovine serum albumin and lactoferrin mixtures using charged ultrafiltration membranes. Separation and Purification Technology, 2014, 125, 163-169.	3.9	46
95	Fly-ash/calcium hydroxide mixtures for SO ₂ removal: structural properties and maximum yield. Chemical Engineering Journal, 1997, 66, 171-179.	6.6	45
96	Kinetic analysis of the vacuum membrane distillation of chloroform from aqueous solutions. Journal of Membrane Science, 2000, 165, 99-110.	4.1	45
97	Separation and Recovery of Anionic Pollutants by the Emulsion Pertraction Technology. Remediation of Polluted Groundwaters with Cr(VI). Industrial & Engineering Chemistry Research, 2006, 45, 4295-4303.	1.8	45
98	Separation of propylene/propane mixtures using Ag ⁺ /RTIL solutions. Evaluation and comparison of the performance of gas-liquid contactors. Journal of Membrane Science, 2010, 360, 130-141.	4.1	45
99	Ex Vivo and In Vivo Biocompatibility Assessment (Blood and Tissue) of Three-Dimensional Bacterial Nanocellulose Biomaterials for Soft Tissue Implants. Scientific Reports, 2019, 9, 10553.	1.6	45
100	Unravelling the Mechanisms that Drive the Performance of Photocatalytic Hydrogen Production. Catalysts, 2020, 10, 901.	1.6	45
101	Contribution of upcycling surplus hydrogen to design a sustainable supply chain: The case study of Northern Spain. Applied Energy, 2018, 231, 777-787.	5.1	44
102	Kinetics of flue gas desulfurization at low temperatures: nonideal surface adsorption model. Chemical Engineering Science, 1992, 47, 1533-1543.	1.9	43
103	Pervaporative dehydration of organic mixtures using a commercial silica membrane. Separation and Purification Technology, 2005, 42, 39-45.	3.9	43
104	Selective Separation of Zinc and Iron from Spent Pickling Solutions by Membrane-Based Solvent Extraction: Process Viability. Separation Science and Technology, 2005, 39, 2441-2455.	1.3	43
105	Kinetics of dodecylbenzenesulphonate mineralisation by TiO ₂ photocatalysis. Applied Catalysis B: Environmental, 2011, 101, 515-521.	10.8	43
106	Membrane dealcoholization of different wine varieties reducing aroma losses. Modeling and experimental validation. Innovative Food Science and Emerging Technologies, 2013, 20, 259-268.	2.7	43
107	Parallelism and differences of pervaporation and vacuum membrane distillation in the removal of VOCs from aqueous streams. Separation and Purification Technology, 2001, 22-23, 327-337.	3.9	42
108	New Functionalized Magnetic Materials for As ⁵⁺ Removal: Adsorbent Regeneration and Reuse. Industrial & Engineering Chemistry Research, 2014, 53, 18928-18934.	1.8	42

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109	Long-term behaviour of toxic metals in stabilized steel foundry dusts. <i>Journal of Hazardous Materials</i> , 1995, 40, 31-42.	6.5	41
110	Influence of ion concentration on the kinetics of electrodialysis with bipolar membranes. <i>Separation and Purification Technology</i> , 2008, 59, 197-205.	3.9	41
111	Electrochemical disinfection of secondary wastewater treatment plant (WWTP) effluent. <i>Water Science and Technology</i> , 2010, 62, 892-897.	1.2	41
112	Novel surface modification of three-dimensional bacterial nanocellulose with cell-derived adhesion proteins for soft tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 100, 697-705.	3.8	41
113	Critical Issues and Guidelines to Improve the Performance of Photocatalytic Polymeric Membranes. <i>Catalysts</i> , 2020, 10, 570.	1.6	41
114	Bulk soil and rhizosphere bacterial community PCR-DGGE profiles and Î²-galactosidase activity as indicators of biological quality in soils contaminated by heavy metals and cultivated with <i>Silene vulgaris</i> (Moench) Garcke. <i>Chemosphere</i> , 2009, 75, 1376-1381.	4.2	40
115	Comparative performance of commercial polymeric membranes in the recovery of industrial hydrogen waste gas streams. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17507-17521.	3.8	40
116	Mathematical Modeling of the Pervaporative Separation of Methanol-Methylterbutyl Ether Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 1720-1731.	1.8	39
117	On-chip polyelectrolyte coating onto magnetic droplets towards continuous flow assembly of drug delivery capsules. <i>Lab on A Chip</i> , 2017, 17, 3785-3795.	3.1	38
118	Kinetics of nitrogen compounds in a commercial marine Recirculating Aquaculture System. <i>Aquacultural Engineering</i> , 2012, 50, 20-27.	1.4	37
119	Effect of extender and amino acid supplementation on sperm quality of cooled-preserved Andalusian donkey (<i>Equus asinus</i>) spermatozoa. <i>Animal Reproduction Science</i> , 2014, 146, 79-88.	0.5	37
120	Fate and hazard of the electrochemical oxidation of triclosan. Evaluation of polychlorodibenzo-p-dioxins and polychlorodibenzofurans (PCDD/Fs) formation. <i>Science of the Total Environment</i> , 2018, 626, 126-133.	3.9	37
121	Experimental study of the waste binder anhydrite in the solidification/ stabilization process of heavy metal sludges. <i>Journal of Hazardous Materials</i> , 1998, 57, 155-168.	6.5	36
122	Kinetics of reactive absorption of propylene in RTIL-Ag+ media. <i>Separation and Purification Technology</i> , 2010, 73, 106-113.	3.9	36
123	Kinetics of the carbon monoxide reactive uptake by an imidazolium chlorocuprate(I) ionic liquid. <i>Chemical Engineering Journal</i> , 2014, 252, 298-304.	6.6	36
124	A comprehensive study on the effects of operation variables on reverse electrodialysis performance. <i>Desalination</i> , 2020, 482, 114389.	4.0	36
125	Supported liquid membranes for the separation-concentration of phenol. 2. Mass-transfer evaluation according to fundamental equations. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1745-1753.	1.8	35
126	Modelling of Cr(VI) removal from polluted groundwaters by ion exchange. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 822-829.	1.6	35

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127	Modeling the influence of divalent ions on membrane resistance and electric power in reverse electro dialysis. <i>Journal of Membrane Science</i> , 2019, 592, 117385.	4.1	35
128	Power-to-Ships: Future electricity and hydrogen demands for shipping on the Atlantic coast of Europe in 2050. <i>Energy</i> , 2021, 228, 120660.	4.5	35
129	Critical review on the mechanistic photolytic and photocatalytic degradation of triclosan. <i>Journal of Environmental Management</i> , 2020, 260, 110101.	3.8	35
130	Separation of L-Phenylalanine by Nondispersive Extraction and Backextraction. Equilibrium and Kinetic Parameters. <i>Separation Science and Technology</i> , 1998, 33, 119-139.	1.3	34
131	Mass transfer analysis of the pervaporative separation of chloroform from aqueous solutions in hollow fiber devices. <i>Journal of Membrane Science</i> , 1999, 156, 275-291.	4.1	34
132	Recovery of salinity gradient energy in desalination plants by reverse electro dialysis. <i>Desalination</i> , 2020, 496, 114699.	4.0	34
133	Treatment of municipal landfill leachate by catalytic wet air oxidation: Assessment of the role of operating parameters by factorial design. <i>Waste Management</i> , 2011, 31, 1833-1840.	3.7	33
134	Modelling photodegradation in the global carbon cycle. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1383-1386.	4.2	33
135	Long term stability of PTFE and PVDF membrane contactors in the application of propylene/propane separation using AgNO ₃ solution. <i>Chemical Engineering Science</i> , 2013, 94, 108-119.	1.9	33
136	Electrochemical removal of tetrahydrofuran from industrial wastewaters: anode selection and process scale-up. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1243-1250.	1.6	33
137	Performance of electrochemical oxidation and photocatalysis in terms of kinetics and energy consumption. New insights into the p-cresol degradation. <i>Journal of Environmental Management</i> , 2017, 195, 117-124.	3.8	33
138	Protic plastic crystal/PVDF composite membranes for Proton Exchange Membrane Fuel Cells under non-humidified conditions. <i>Electrochimica Acta</i> , 2017, 247, 970-976.	2.6	33
139	Optimized distillation coupled with state-of-the-art membranes for propylene purification. <i>Journal of Membrane Science</i> , 2018, 556, 321-328.	4.1	33
140	Extraction of Phenol Using Trialkylphosphine Oxides (Cyanex 923) in Kerosene. <i>Separation Science and Technology</i> , 1997, 32, 1157-1162.	1.3	32
141	Validated analytical strategy for the determination of polycyclic aromatic compounds in marine sediments by liquid chromatography coupled with diode-array detection and mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1129, 189-200.	1.8	32
142	Separation and concentration of bilberry impact aroma compound from dilute model solution by pervaporation. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 973-982.	1.6	32
143	Improved Performance of a PBM Reactor for Simultaneous CO ₂ Capture and DME Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19479-19487.	1.8	32
144	Assessment of PCDD/Fs formation in the Fenton oxidation of 2-chlorophenol: Influence of the iron dose applied. <i>Chemosphere</i> , 2015, 137, 135-141.	4.2	32

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145	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017, 29, 8082-8092.	3.2	32
146	Comparative study of conventional, reactive-distillation and pervaporation integrated hybrid process for ethyl tert-butyl ether production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 122, 434-446.	1.8	32
147	Membrane Processes for Whey Proteins Separation and Purification. A Review. <i>Current Organic Chemistry</i> , 2017, 21, .	0.9	32
148	The roles of ionic liquids as new electrolytes in redox flow batteries. <i>Separation and Purification Technology</i> , 2020, 252, 117436.	3.9	32
149	Biochemical interactions between LPS and LPS-binding molecules. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 292-305.	5.1	32
150	Techno-economic assessment of a membrane-based wastewater reclamation process. <i>Desalination</i> , 2022, 522, 115409.	4.0	32
151	Influence of process variables on the production of bovine milk casein by electrodialysis with bipolar membranes. <i>Biochemical Engineering Journal</i> , 2008, 40, 304-311.	1.8	31
152	Flow patterns and mass transfer performance of miscible liquid-liquid flows in various microchannels: Numerical and experimental studies. <i>Chemical Engineering Journal</i> , 2018, 344, 487-497.	6.6	31
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