

Inmaculada Ortiz

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

390
papers

12,398
citations

56
h-index

92
g-index

408
ext. papers

14,220
ext. citations

6.2
avg, IF

6.89
L-index

#	Paper	IF	Citations
390	State of the art and review on the treatment technologies of water reverse osmosis concentrates. <i>Water Research</i> , 2012 , 46, 267-83	12.5	519
389	Pharmaceutical Industry Wastewater: Review of the Technologies for Water Treatment and Reuse. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11571-11592	3.9	410
388	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	3.5	377
387	Arsenic and fluoride contaminated groundwaters: A review of current technologies for contaminants removal. <i>Journal of Environmental Management</i> , 2015 , 162, 306-25	7.9	318
386	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	14.7	261
385	Progress in the use of ionic liquids as electrolyte membranes in fuel cells. <i>Journal of Membrane Science</i> , 2014 , 469, 379-396	9.6	202
384	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	21.8	195
383	Review and perspectives on the use of magnetic nanophotocatalysts (MNPCs) in water treatment. <i>Chemical Engineering Journal</i> , 2017 , 310, 407-427	14.7	187
382	Electro-oxidation of reverse osmosis concentrates generated in tertiary water treatment. <i>Water Research</i> , 2010 , 44, 2763-72	12.5	166
381	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	10.3	153
380	Boron-doped diamond anodic treatment of landfill leachate: evaluation of operating variables and formation of oxidation by-products. <i>Water Research</i> , 2011 , 45, 828-38	12.5	152
379	Photo-Fenton process as an efficient alternative to the treatment of landfill leachates. <i>Journal of Hazardous Materials</i> , 2008 , 153, 834-42	12.8	144
378	Liquid membrane technology: fundamentals and review of its applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 2-10	3.5	138
377	Pilot scale performance of the electro-oxidation of landfill leachate at boron-doped diamond anodes. <i>Environmental Science & Technology</i> , 2009 , 43, 2035-40	10.3	137
376	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	3.5	129
375	Ammonium removal from landfill leachate by anodic oxidation. <i>Journal of Hazardous Materials</i> , 2007 , 144, 715-9	12.8	124
374	A novel group contribution method in the development of a QSAR for predicting the toxicity (Vibrio fischeri EC50) of ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , 2007 , 67, 423-9	7	121

373	Assessment of the formation of inorganic oxidation by-products during the electrocatalytic treatment of ammonium from landfill leachates. <i>Water Research</i> , 2012 , 46, 2579-90	12.5	111
372	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, 125-34	12.5	111
371	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	6.7	108
370	Removal and recovery of Cr(VI) from polluted ground waters: a comparative study of ion-exchange technologies. <i>Water Research</i> , 2005 , 39, 4317-24	12.5	106
369	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	9.6	104
368	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	12.8	102
367	Electrochemical Treatment of Landfill Leachates Using a Boron-Doped Diamond Anode. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1439-1446	3.9	101
366	Laboratory and pilot plant scale study on the electrochemical oxidation of landfill leachate. <i>Journal of Hazardous Materials</i> , 2010 , 181, 729-35	12.8	95
365	Nanofiltration separation of polyvalent and monovalent anions in desalination brines. <i>Journal of Membrane Science</i> , 2015 , 473, 16-27	9.6	94
364	Membrane Reactors for in Situ Water Removal: A Review of Applications. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10342-10354	3.9	91
363	Pervaporative dehydration of industrial solvents using a zeolite NaA commercial membrane. <i>Separation and Purification Technology</i> , 2003 , 32, 207-213	8.3	87
362	Membrane-based photocatalytic systems for process intensification. <i>Chemical Engineering Journal</i> , 2016 , 305, 136-148	14.7	86
361	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	8.4	80
360	Kinetic Analysis of the Simultaneous Nondispersive Extraction and Back-Extraction of Chromium(VI). <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 1369-1377	3.9	80
359	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	4.4	80
358	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	8.3	79
357	Equilibrium and kinetics of chromium(VI) extraction with Aliquat 336. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 1516-1522	3.9	76
356	Conductivity Mechanism in Polymerized Imidazolium-Based Protic Ionic Liquid [HSO ₃ BVIm][OTf]: Dielectric Relaxation Studies. <i>Macromolecules</i> , 2014 , 47, 4056-4065	5.5	73

355	Kinetic study of the simultaneous electrochemical removal of aqueous nitrogen compounds using BDD electrodes. <i>Chemical Engineering Journal</i> , 2012 , 197, 475-482	14.7	72
354	Kinetics of the separation-concentration of chromium(VI) with emulsion liquid membranes. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 1523-1529	3.9	72
353	Integrated treatment of landfill leachates including electrooxidation at pilot plant scale. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1530-4	12.8	70
352	Acid and base recovery from softened reverse osmosis (RO) brines. Experimental assessment using model concentrates. <i>Desalination</i> , 2013 , 309, 165-170	10.3	69
351	Experimental study of the separation of propane/propylene mixtures by supported ionic liquid membranes containing Ag+RTILs as carrier. <i>Separation and Purification Technology</i> , 2012 , 97, 83-89	8.3	68
350	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	3.9	68
349	Comprehensive review and future perspectives on the photocatalytic hydrogen production. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 3049-3063	3.5	67
348	Role of reactive oxygen species on the activity of noble metal-doped TiO photocatalysts. <i>Journal of Hazardous Materials</i> , 2019 , 372, 45-51	12.8	66
347	Kinetics of the electrochemical mineralization of perfluorooctanoic acid on ultrananocrystalline boron doped conductive diamond electrodes. <i>Chemosphere</i> , 2015 , 129, 20-6	8.4	65
346	Copper(I)-containing supported ionic liquid membranes for carbon monoxide/nitrogen separation. <i>Journal of Membrane Science</i> , 2013 , 438, 38-45	9.6	64
345	Reactive Ionic Liquid Media for the Separation of Propylene/Propane Gaseous Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 7227-7233	3.9	64
344	Nitrate removal from electro-oxidized landfill leachate by ion exchange. <i>Journal of Hazardous Materials</i> , 2009 , 164, 389-93	12.8	64
343	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	7.9	63
342	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	3.9	63
341	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	9.6	62
340	Fabrication, tuning and optimization of poly (acrilonitrile) nanofiltration membranes for effective nickel and chromium removal from electroplating wastewater. <i>Separation and Purification Technology</i> , 2017 , 187, 46-59	8.3	60
339	TiO 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	5.1	58
338	Polymer/ionic liquid composite membranes for propane/propylene separation by facilitated transport. <i>Journal of Membrane Science</i> , 2013 , 444, 164-172	9.6	57

337	Kinetics of ultrasound-enhanced electrochemical oxidation of diuron on boron-doped diamond electrodes. <i>Chemical Engineering Journal</i> , 2011 , 172, 1016-1022	14.7	57
336	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	9.6	57
335	Advanced technologies for water treatment and reuse. <i>AIChE Journal</i> , 2015 , 61, 3146-3158	3.6	56
334	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	3.5	56
333	Extraction of Anions with Aliquat 336: Chemical Equilibrium Modeling. <i>Industrial & Engineering Chemistry Research</i> , 1994 , 33, 1765-1770	3.9	56
332	Characterisation and management of incinerator wastes. <i>Journal of Hazardous Materials</i> , 2000 , 79, 215-222	14.7	55
331	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	3.9	55
330	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	9.6	54
329	Photocatalytic oxidation of grey water over titanium dioxide suspensions. <i>Desalination</i> , 2010 , 262, 141-146	14.3	53
328	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	3.9	53
327	Comparison of liquid membrane processes for the removal of cadmium from wet phosphoric acid. <i>Journal of Membrane Science</i> , 2000 , 164, 229-240	9.6	53
326	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	9.6	52
325	Performance of PEMFC with new polyvinyl-ionic liquids based membranes as electrolytes. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3970-3977	6.7	52
324	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	14.7	52
323	Screening of RTILs for propane/propylene separation using COSMO-RS methodology. <i>Chemical Engineering Journal</i> , 2013 , 220, 284-293	14.7	52
322	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	3.5	51
321	Comparative study of the separation of methanol/ethyl acetate mixtures by pervaporation and vapor permeation using a commercial membrane. <i>Journal of Membrane Science</i> , 2006 , 280, 582-593	9.6	51
320	Membrane contactors for the recovery of metallic compounds. <i>Journal of Membrane Science</i> , 2005 , 257, 161-170	9.6	49

319	Selective membrane alternative to the recovery of zinc from hot-dip galvanizing effluents. <i>Journal of Membrane Science</i> , 2009 , 326, 672-680	9.6	48
318	Remediation of wastewaters containing tetrahydrofuran. Study of the electrochemical mineralization on BDD electrodes. <i>Chemical Engineering Journal</i> , 2014 , 239, 341-350	14.7	47
317	Separation of Olefin/Paraffin Gas Mixtures Using Ceramic Hollow Fiber Membrane Contactors. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 7918-7929	3.9	46
316	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	21.8	45
315	Kinetic modelling of cadmium removal from phosphoric acid by non-dispersive solvent extraction. <i>Journal of Membrane Science</i> , 1997 , 130, 193-203	9.6	45
314	Analysis of separators for magnetic beads recovery: From large systems to multifunctional microdevices. <i>Separation and Purification Technology</i> , 2017 , 172, 16-31	8.3	44
313	Electrochemical oxidation of landfill leachates at pilot scale: evaluation of energy needs. <i>Water Science and Technology</i> , 2010 , 61, 2211-7	2.2	44
312	Fly-ash/calcium hydroxide mixtures for SO ₂ removal: structural properties and maximum yield. <i>Chemical Engineering Journal</i> , 1997 , 66, 171-179	14.7	44
311	Thermal dehydration of calcium hydroxide. 1. Kinetic model and parameters. <i>Industrial & Engineering Chemistry Research</i> , 1990 , 29, 1599-1606	3.9	44
310	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, 12400-8	10.3	43
309	Separation of Cr (VI) with Aliquat 336: Chemical Equilibrium Modeling. <i>Separation Science and Technology</i> , 1997 , 32, 1543-1555	2.5	43
308	Kinetic analysis of the vacuum membrane distillation of chloroform from aqueous solutions. <i>Journal of Membrane Science</i> , 2000 , 165, 99-110	9.6	43
307	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, 132-8	8.4	41
306	Pervaporative dehydration of organic mixtures using a commercial silica membrane: Determination of kinetic parameters. <i>Separation and Purification Technology</i> , 2005 , 42, 39-45	8.3	41
305	Comparative performance of Salinity Gradient Power-Reverse Electrodialysis under different operating conditions. <i>Desalination</i> , 2019 , 457, 8-21	10.3	40
304	LCA of greywater management within a water circular economy restorative thinking framework. <i>Science of the Total Environment</i> , 2018 , 621, 1047-1056	10.2	40
303	Optimisation of azeotropic distillation columns combined with pervaporation membranes. <i>Computers and Chemical Engineering</i> , 2002 , 26, 563-573	4	40
302	Kinetics of flue gas desulfurization at low temperatures: nonideal surface adsorption model. <i>Chemical Engineering Science</i> , 1992 , 47, 1533-1543	4.4	40

301	Improved separation of bovine serum albumin and lactoferrin mixtures using charged ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2014 , 125, 163-169	8.3	39
300	Separation of propylene/propane mixtures using Ag+RTIL solutions. Evaluation and comparison of the performance of gas-liquid contactors. <i>Journal of Membrane Science</i> , 2010 , 360, 130-141	9.6	39
299	Separation and Recovery of Anionic Pollutants by the Emulsion Pertraction Technology. Remediation of Polluted Groundwaters with Cr(VI). <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 4295-4303	3.9	39
298	Mathematical Modeling of the Pervaporative Separation of Methanol/Methylterbutyl Ether Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1720-1731	3.9	39
297	Long-term behaviour of toxic metals in stabilized steel foundry dusts. <i>Journal of Hazardous Materials</i> , 1995 , 40, 31-42	12.8	38
296	A Perspective of Solutions for Membrane Instabilities in Olefin/Paraffin Separations: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10071-10085	3.9	37
295	Electrochemical disinfection of secondary wastewater treatment plant (WWTP) effluent. <i>Water Science and Technology</i> , 2010 , 62, 892-7	2.2	37
294	Kinetics of dodecylbenzenesulphonate mineralisation by TiO ₂ photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2011 , 101, 515-521	21.8	37
293	Electrochemical oxidation of saline industrial wastewaters using boron-doped diamond anodes. <i>Catalysis Today</i> , 2010 , 151, 178-184	5.3	37
292	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	8.3	36
291	Bulk soil and rhizosphere bacterial community PCR-DGGE profiles and beta-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, 1376-81	8.4	36
290	The role of liquid membranes in the selective separation and recovery of zinc for the regeneration of Cr(III) passivation baths. <i>Journal of Membrane Science</i> , 2010 , 356, 88-95	9.6	36
289	New Functionalized Magnetic Materials for As ⁵⁺ Removal: Adsorbent Regeneration and Reuse. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18928-18934	3.9	35
288	Kinetics of reactive absorption of propylene in RTIL-Ag ⁺ media. <i>Separation and Purification Technology</i> , 2010 , 73, 106-113	8.3	35
287	Parallelism and differences of pervaporation and vacuum membrane distillation in the removal of VOCs from aqueous streams. <i>Separation and Purification Technology</i> , 2001 , 22-23, 327-337	8.3	35
286	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	12.8	34
285	Influence of ion concentration on the kinetics of electro dialysis with bipolar membranes. <i>Separation and Purification Technology</i> , 2008 , 59, 197-205	8.3	34
284	Selective Separation of Zinc and Iron From Spent Pickling Solutions by Membrane-Based Solvent Extraction: Process Viability. <i>Separation Science and Technology</i> , 2005 , 39, 2441-2455	2.5	34

283	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	6.7	33
282	Kinetics of the carbon monoxide reactive uptake by an imidazolium chlorocuprate(I) ionic liquid. <i>Chemical Engineering Journal</i> , 2014 , 252, 298-304	14.7	32
281	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	3.9	32
280	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	7.9	31
279	Membrane dealcoholization of different wine varieties reducing aroma losses. Modeling and experimental validation. <i>Innovative Food Science and Emerging Technologies</i> , 2013 , 20, 259-268	6.8	31
278	Kinetics of nitrogen compounds in a commercial marine Recirculating Aquaculture System. <i>Aquacultural Engineering</i> , 2012 , 50, 20-27	3	31
277	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	9.6	31
276	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	4.5	30
275	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	7.2	29
274	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	4.4	29
273	Modelling photodegradation in the global carbon cycle. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1383-1386	6.5	29
272	Extraction of Phenol Using Trialkylphosphine Oxides (Cyanex 923) in Kerosene. <i>Separation Science and Technology</i> , 1997 , 32, 1157-1162	2.5	29
271	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	3.5	29
270	Separation of L-Phenylalanine by Nondispersive Extraction and Backextraction. Equilibrium and Kinetic Parameters. <i>Separation Science and Technology</i> , 1998 , 33, 119-139	2.5	29
269	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, 1833-40	8.6	28
268	Modelling of Cr(VI) removal from polluted groundwaters by ion exchange. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 822-829	3.5	28
267	PSA purification of waste hydrogen from ammonia plants to fuel cell grade. <i>Separation and Purification Technology</i> , 2020 , 240, 116334	8.3	28
266	Contribution of upcycling surplus hydrogen to design a sustainable supply chain: The case study of Northern Spain. <i>Applied Energy</i> , 2018 , 231, 777-787	10.7	28

265	Ex Vivo and In Vivo Biocompatibility Assessment (Blood and Tissue) of Three-Dimensional Bacterial Nanocellulose Biomaterials for Soft Tissue Implants. <i>Scientific Reports</i> , 2019 , 9, 10553	4.9	27
264	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017 , 29, 8082-8092	9.6	27
263	Recovery of key components of bilberry aroma using a commercial pervaporation membrane. <i>Desalination</i> , 2008 , 224, 34-39	10.3	27
262	Pervaporation of azeotropic mixtures ethanol/ethyl tert-butyl ether: influence of membrane conditioning and operation variables on pervaporation flux. <i>Desalination</i> , 2002 , 149, 67-72	10.3	27
261	Effect of single-layer centrifugation or washing on frozen-thawed donkey semen quality: Do they have the same effect regardless of the quality of the sample?. <i>Theriogenology</i> , 2015 , 84, 294-300	2.8	26
260	Optimized distillation coupled with state-of-the-art membranes for propylene purification. <i>Journal of Membrane Science</i> , 2018 , 556, 321-328	9.6	26
259	The use of ionic liquids as efficient extraction medium in the reactive separation of cycloolefins from cyclohexane. <i>Chemical Engineering Journal</i> , 2009 , 154, 241-245	14.7	26
258	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	4.2	26
257	Kinetics of separating multicomponent mixtures by nondispersive solvent extraction: Ni and Cd. <i>AICHE Journal</i> , 2001 , 47, 895-905	3.6	26
256	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	3.5	25
255	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	2.1	25
254	Mathematical modelling of phenol photooxidation: Kinetics of the process toxicity. <i>Chemical Engineering Journal</i> , 2007 , 134, 23-28	14.7	25
253	Comparison of SiO ₂ -ZrO ₂ -50% and commercial SiO ₂ membranes on the pervaporative dehydration of organic solvents. <i>Desalination</i> , 2006 , 193, 97-102	10.3	25
252	Mass-Transfer modeling in the pervaporation of VOCs from diluted solutions. <i>AICHE Journal</i> , 2002 , 48, 572-581	3.6	25
251	Mathematical modelling of styrene drying by adsorption onto activated alumina. <i>Chemical Engineering Science</i> , 2002 , 57, 2589-2592	4.4	25
250	Kinetic model for desulfurization at low temperatures using calcium hydroxide. <i>Chemical Engineering Science</i> , 1990 , 45, 3427-3433	4.4	25
249	Assessment of PCDD/Fs formation in the Fenton oxidation of 2-chlorophenol: Influence of the iron dose applied. <i>Chemosphere</i> , 2015 , 137, 135-41	8.4	24
248	Protic plastic crystal/PVDF composite membranes for Proton Exchange Membrane Fuel Cells under non-humidified conditions. <i>Electrochimica Acta</i> , 2017 , 247, 970-976	6.7	24

247	Integration of ion exchange and non-dispersive solvent extraction processes for the separation and concentration of Cr(VI) from ground waters. <i>Journal of Hazardous Materials</i> , 2008 , 152, 795-804	12.8	24
246	Pervaporative recovery of isopropanol from industrial effluents. <i>Separation and Purification Technology</i> , 2006 , 49, 245-252	8.3	24
245	Pervaporative Recovery of Acetic Acid from an Acetylation Industrial Effluent Using Commercial Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 977-985	3.9	24
244	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	16.2	24
243	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	8.3	23
242	Highly conductive electrolytes based on poly([HSO ₃ -BVI _m][TfO])/[HSO ₃ -BMIm][TfO] mixtures for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11294-11302	6.7	23
241	Kinetic modeling of the electrochemical removal of ammonium and COD from landfill leachates. <i>Journal of Applied Electrochemistry</i> , 2012 , 42, 779-786	2.6	23
240	Hybrid membrane process for the recovery of major components (zinc, iron and HCl) from spent pickling effluents. <i>Journal of Membrane Science</i> , 2012 , 415-416, 616-623	9.6	23
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