

Inmaculada Ortiz

List of Publications by Year in Descending Order

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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	Environmental sustainability of alternative marine propulsion technologies powered by hydrogen - a life cycle assessment approach.. <i>Science of the Total Environment</i> , 2022 , 820, 153189	10.2	1
389	Performance of continuous-flow micro-reactors with curved geometries. Experimental and numerical analysis. <i>Chemical Engineering Journal</i> , 2022 , 135192	14.7	2
388	Prospective life cycle assessment of hydrogen production by waste photoreforming. <i>Journal of Cleaner Production</i> , 2022 , 336, 130430	10.3	0
387	Techno-economic assessment of a membrane-based wastewater reclamation process. <i>Desalination</i> , 2022 , 522, 115409	10.3	5
386	Comprehensive analysis of the combustion of low carbon fuels (hydrogen, methane and coke oven gas) in a spark ignition engine through CFD modeling. <i>Energy Conversion and Management</i> , 2022 , 251, 114918	10.6	4
385	Hydrogen Recovery from Coke Oven Gas. Comparative Analysis of Technical Alternatives.. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 6106-6124	3.9	0
384	Rhodium-based cathodes with ultra-low metal loading to increase the sustainability in the hydrogen evolution reaction. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107682	6.8	0
383	Optimum recovery of saline gradient power using reversal electrodialysis: Influence of the stack components. <i>Journal of Water Process Engineering</i> , 2022 , 102816	6.7	1
382	Non-Enzymatic Amperometric Glucose Screen-Printed Sensors Based on Copper and Copper Oxide Particles. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10830	2.6	2
381	TiO ₂ /Zeolite Metal Composites for Photocatalytic Degradation of Organic Pollutants in Water. <i>Catalysts</i> , 2021 , 11, 1367	4	3
380	Global diagnosis of nitrate pollution in groundwater and review of removal technologies.. <i>Science of the Total Environment</i> , 2021 , 810, 152233	10.2	11
379	Comprehensive Kinetics of the Photocatalytic Degradation of Emerging Pollutants in a LED-Assisted Photoreactor. S-Metolachlor as Case Study. <i>Catalysts</i> , 2021 , 11, 48	4	1
378	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
377	Dioxins and furans toxicity during the photocatalytic remediation of emerging pollutants. Triclosan as case study. <i>Science of the Total Environment</i> , 2021 , 770, 144853	10.2	7
376	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	6.7	18
375	Assessing the feasibility of reduced graphene oxide as an electronic promoter for photocatalytic hydrogen production over Nb-Ta perovskite photocatalysts. <i>Catalysis Today</i> , 2021 , 362, 22-27	5.3	6
374	Comparative performance of coke oven gas, hydrogen and methane in a spark ignition engine. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17572-17586	6.7	11

373	New insights in the performance and reuse of rGO/TiO ₂ composites for the photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17500-17506	6.7	11
372	New modified Nafion-bisphosphonic acid composite membranes for enhanced proton conductivity and PEMFC performance. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17562-17571	6.7	10
371	Integrated strategy for the separation of endotoxins from biofluids. LPS capture on newly synthesized protein. <i>Separation and Purification Technology</i> , 2021 , 255, 117689	8.3	0
370	Power-to-Ships: Future electricity and hydrogen demands for shipping on the Atlantic coast of Europe in 2050. <i>Energy</i> , 2021 , 228, 120660	7.9	11
369	Influence of QD photosensitizers in the photocatalytic production of hydrogen with biomimetic [FeFe]-hydrogenase. Comparative performance of CdSe and CdTe. <i>Chemosphere</i> , 2021 , 278, 130485	8.4	2
368	Recovery of Magnetic Catalysts: Advanced Design for Process Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 16780-16790	3.9	1
367	Comprehensive kinetics of electrochemically assisted ammonia removal in marine aquaculture recirculating systems. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115619	4.1	4
366	Fighting Against Bacterial Lipopolysaccharide-Caused Infections through Molecular Dynamics Simulations: A Review. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 4839-4851	6.1	1
365	Hydrogen Recovery from Waste Gas Streams to Feed (High-Temperature PEM) Fuel Cells: Environmental Performance under a Life-Cycle Thinking Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7461	2.6	7
364	Biomimetics of microducts in three-dimensional bacterial nanocellulose biomaterials for soft tissue regenerative medicine. <i>Cellulose</i> , 2020 , 27, 5923-5937	5.5	2
363	Polymer inclusion membranes containing ionic liquids for the recovery of n-butanol from ABE solutions by pervaporation. <i>Separation and Purification Technology</i> , 2020 , 248, 117101	8.3	15
362	Continuous-Flow Separation of Magnetic Particles from Biofluids: How Does the Microdevice Geometry Determine the Separation Performance?. <i>Sensors</i> , 2020 , 20,	3.8	8
361	Life cycle assessment of salinity gradient energy recovery by reverse electrodialysis in a seawater reverse osmosis desalination plant. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4273-4284	5.8	11
360	Seasonal variations in sperm DNA fragmentation and pregnancy rates obtained after artificial insemination with cooled-stored stallion sperm throughout the breeding season (spring and summer). <i>Theriogenology</i> , 2020 , 148, 89-94	2.8	2
359	A comprehensive study on the effects of operation variables on reverse electrodialysis performance. <i>Desalination</i> , 2020 , 482, 114389	10.3	17
358	Optimized energy consumption in electrochemical-based regeneration of RAS water. <i>Separation and Purification Technology</i> , 2020 , 240, 116638	8.3	10
357	Biochemical interactions between LPS and LPS-binding molecules. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 292-305	9.4	9
356	Comparative performance of TiO ₂ -rGO photocatalyst in the degradation of dichloroacetic and perfluorooctanoic acids. <i>Separation and Purification Technology</i> , 2020 , 240, 116637	8.3	12

355	One-step warming does not affect the in vitro viability and cryosurvival of cryotop-vitrified donkey embryos. <i>Theriogenology</i> , 2020 , 152, 47-52	2.8	0
354	Critical Issues and Guidelines to Improve the Performance of Photocatalytic Polymeric Membranes. <i>Catalysts</i> , 2020 , 10, 570	4	20
353	Critical review on the mechanistic photolytic and photocatalytic degradation of triclosan. <i>Journal of Environmental Management</i> , 2020 , 260, 110101	7.9	17
352	Blue energy for sustainable water reclamation in WWTPs. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101020	6.7	17
351	The cryoprotective effect of Ficoll 70 on the post-warming survival and quality of Cryotop-vitrified donkey embryos. <i>Theriogenology</i> , 2020 , 148, 180-185	2.8	1
350	PSA purification of waste hydrogen from ammonia plants to fuel cell grade. <i>Separation and Purification Technology</i> , 2020 , 240, 116334	8.3	28
349	Potential formation of PCDD/Fs in triclosan wastewater treatment: An overall toxicity assessment under a life cycle approach. <i>Science of the Total Environment</i> , 2020 , 707, 135981	10.2	4
348	Recovery of salinity gradient energy in desalination plants by reverse electrodialysis. <i>Desalination</i> , 2020 , 496, 114699	10.3	14
347	The roles of ionic liquids as new electrolytes in redox flow batteries. <i>Separation and Purification Technology</i> , 2020 , 252, 117436	8.3	15
346	Reverse Electrodialysis: Potential Reduction in Energy and Emissions of Desalination. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7317	2.6	4
345	Formation and manipulation of ferrofluid droplets with magnetic fields in a microdevice: a numerical parametric study. <i>Soft Matter</i> , 2020 , 16, 9506-9518	3.6	3
344	Performance of rGO/TiO Photocatalytic Membranes for Hydrogen Production. <i>Membranes</i> , 2020 , 10,	3.8	7
343	Unravelling the Mechanisms that Drive the Performance of Photocatalytic Hydrogen Production. <i>Catalysts</i> , 2020 , 10, 901	4	20
342	Photocatalytic Transformation of Triclosan. Reaction Products and Kinetics. <i>Catalysts</i> , 2020 , 10, 1468	4	3
341	Overview on the use of surfactants for the preparation of porous carbon materials by the sol-gel method: applications in energy systems. <i>Reviews in Chemical Engineering</i> , 2020 , 36, 771-787	5	4
340	Nano-depletion of acrosome-damaged donkey sperm by using lectin peanut agglutinin (PNA)-magnetic nanoparticles. <i>Theriogenology</i> , 2020 , 151, 103-111	2.8	3
339	The use of optimization tools for the Hydrogen Circular Economy. <i>Computer Aided Chemical Engineering</i> , 2019 , 46, 1777-1782	0.6	1
338	Comparative performance of Salinity Gradient Power-Reverse Electrodialysis under different operating conditions. <i>Desalination</i> , 2019 , 457, 8-21	10.3	40

337	Fuel cell electrolyte membranes based on copolymers of protic ionic liquid [HSO ₃ -BVIm][TfO] with MMA and hPFSVE. <i>Polymer</i> , 2019 , 179, 121583	3.9	14
336	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
335	Numerical Analysis of Bead Magnetophoresis from Flowing Blood in a Continuous-Flow Microchannel: Implications to the Bead-Fluid Interactions. <i>Scientific Reports</i> , 2019 , 9, 7265	4.9	14
334	Advanced oxidative and catalytic processes 2019 , 161-201		2
333	Optimization of multistage olefin/paraffin membrane separation processes through rigorous modeling. <i>AIChE Journal</i> , 2019 , 65, e16588	3.6	11
332	Optimization of donkey sperm vitrification: Effect of sucrose, sperm concentration, volume and package (0.25 and 0.5 mL straws). <i>Animal Reproduction Science</i> , 2019 , 204, 31-38	2.1	10
331	Two-Step Numerical Approach To Predict Ferrofluid Droplet Generation and Manipulation inside Multilaminar Flow Chambers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10065-10080	3.8	8
330	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
329	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
328	Modeling the influence of divalent ions on membrane resistance and electric power in reverse electrodialysis. <i>Journal of Membrane Science</i> , 2019 , 592, 117385	9.6	19
327	Cryopreservation of Andalusian donkey (<i>Equus asinus</i>) spermatozoa: Use of alternative energy sources in the freezing extender affects post-thaw sperm motility patterns but not DNA stability. <i>Animal Reproduction Science</i> , 2019 , 208, 106126	2.1	5
326	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
325	Application of embryo biopsy and sex determination via polymerase chain reaction in a commercial equine embryo transfer program in Argentina. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 1917-1925	1.8	2
324	Synthesis and applications of surface-modified magnetic nanoparticles: progress and future prospects. <i>Reviews in Chemical Engineering</i> , 2019 ,	5	5
323	PCDD/Fs traceability during triclosan electrochemical oxidation. <i>Journal of Hazardous Materials</i> , 2019 , 369, 584-592	12.8	20
322	Phenomenological prediction of desalination brines nanofiltration through the indirect determination of zeta potential. <i>Separation and Purification Technology</i> , 2019 , 210, 746-753	8.3	14
321	Cryopreservation of donkey embryos by the cryotop method: Effect of developmental stage, embryo quality, diameter and age of embryos. <i>Theriogenology</i> , 2019 , 125, 242-248	2.8	5
320	Challenges arising from the use of TiO ₂ /rGO/Pt photocatalysts to produce hydrogen from crude glycerol compared to synthetic glycerol. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28494-28506	6.7	22

319	Comprehensive study on PVDF-HFP/BMIImBF ₄ /AgBF ₄ membranes for propylene purification. <i>Journal of Membrane Science</i> , 2019 , 572, 255-261	9.6	19
318	Predictive model for the design of reactive micro-separations. <i>Separation and Purification Technology</i> , 2019 , 209, 900-907	8.3	8
317	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
316	Stallion sperm freezing with sucrose extenders: A strategy to avoid permeable cryoprotectants. <i>Animal Reproduction Science</i> , 2018 , 191, 85-91	2.1	17
315	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	10.2	22
314	Effect of cooling rate on sperm quality of cryopreserved Andalusian donkey spermatozoa. <i>Animal Reproduction Science</i> , 2018 , 193, 201-208	2.1	3
313	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
312	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
311	Cryopreservation of donkey sperm using non-permeable cryoprotectants. <i>Animal Reproduction Science</i> , 2018 , 189, 103-109	2.1	17
310	Dioxins and furans legacy of lindane manufacture in Sabiñigo (Spain). The Baili landfill site case study. <i>Science of the Total Environment</i> , 2018 , 624, 955-962	10.2	8
309	Enhanced photocatalytic activity using GO/TiO catalyst for the removal of DCA solutions. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 34893-34902	5.1	15
308	Cryoprotective effect of glutamine, taurine, and proline on post-thaw semen quality and DNA integrity of donkey spermatozoa. <i>Animal Reproduction Science</i> , 2018 , 189, 128-135	2.1	12
307	The Reverse of Controlled Release: Controlled Sequestration of Species and Biotoxins into Nanoparticles (NPs). <i>From Biomaterials Towards Medical Devices</i> , 2018 , 207-243		4
306	Computational modeling and fluorescence microscopy characterization of a two-phase magnetophoretic microsystem for continuous-flow blood detoxification. <i>Lab on A Chip</i> , 2018 , 18, 1593-1606	7.3	11
305	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	14.7	20
304	Membrane selective recovery of HCl, zinc and iron from simulated mining effluents. <i>Desalination</i> , 2018 , 440, 78-87	10.3	17
303	Novel solvents based on thiocyanate ionic liquids doped with copper(I) with enhanced equilibrium selectivity for carbon monoxide separation from light gases. <i>Separation and Purification Technology</i> , 2018 , 196, 47-56	8.3	15
302	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

301	Concentrations of non-permeable cryoprotectants and equilibration temperatures are key factors for stallion sperm vitrification success. <i>Animal Reproduction Science</i> , 2018 , 196, 91-98	2.1	22
300	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
299	Integration of Electrochemical Advanced Oxidation With Membrane Separation and Biodegradation 2018 , 495-510		2
298	Coupling of the electrochemical oxidation (EO-BDD)/photocatalysis (TiO ₂ -Fe-N) processes for degradation of acid blue BR dye. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 808, 180-188	4.1	17
297	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
296	Comparison of different sucrose-based extenders for stallion sperm vitrification in straws. <i>Reproduction in Domestic Animals</i> , 2018 , 53 Suppl 2, 59-61	1.6	6
295	Vitrification in straws conserves motility features better than spheres in donkey sperm. <i>Reproduction in Domestic Animals</i> , 2018 , 53 Suppl 2, 56-58	1.6	10
294	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
293	Factors Affecting Mass Transport Properties of Poly(ε-caprolactone) Membranes for Tissue Engineering Bioreactors. <i>Membranes</i> , 2018 , 8,	3.8	3
292	An optimization model for assessment of membrane-based post-combustion gas upcycling into hydrogen or syngas. <i>Journal of Membrane Science</i> , 2018 , 563, 83-92	9.6	13
291	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
290	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
289	Identification of sperm morphometric subpopulations in cooled-stored canine sperm and its relation with sperm DNA integrity. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 468-476	1.6	7
288	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
287	A practical approach to fixed-site-carrier facilitated transport modeling for the separation of propylene/propane mixtures through silver-containing polymeric membranes. <i>Separation and Purification Technology</i> , 2017 , 180, 82-89	8.3	19
286	First case of sterility associated with sex chromosomal abnormalities in a jenny. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 227-234	1.6	2
285	Accurate thermodynamic modeling of ionic liquids/metal salt mixtures: Application to carbon monoxide reactive absorption. <i>AIChE Journal</i> , 2017 , 63, 3532-3543	3.6	13
284	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

283	Magnetic Bead Separation from Flowing Blood in a Two-Phase Continuous-Flow Magnetophoretic Microdevice: Theoretical Analysis through Computational Fluid Dynamics Simulation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 7466-7477	3.8	16
282	Process flowsheet analysis of pervaporation-based hybrid processes in the production of ethyl tert-butyl ether. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 1167-1177	3.5	12
281	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
280	Comparison of DNA fragmentation of frozen-thawed epididymal sperm of dogs using Sperm Chromatin Structure Analysis and Sperm Chromatin Dispersion test. <i>Animal Reproduction Science</i> , 2017 , 187, 74-78	2.1	7
279	Effect of different extenders for donkey sperm vitrification in straws. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 4, 55-57	1.6	15
278	Modelling the physical properties of ionic liquid/metal salt mixtures with the soft-SAFT equation of state: application to carbon monoxide reactive separation. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 217-222	0.6	1
277	Stallion sperm selection prior to freezing using a modified colloid swim-up procedure without centrifugation. <i>Animal Reproduction Science</i> , 2017 , 185, 83-88	2.1	14
276	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
275	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	3.7	22
274	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
273	Generalized predictive modeling for facilitated transport membranes accounting for fixed and mobile carriers. <i>Journal of Membrane Science</i> , 2017 , 542, 168-176	9.6	16
272	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}	5.1	58
271	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
270	Magnetically recoverable TiO-WO photocatalyst to oxidize bisphenol A from model wastewater under simulated solar light. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12589-12598	5.1	20
269	Membrane Processes for Whey Proteins Separation and Purification. A Review. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	19
268	2.11 Supported Liquid Membranes for Pervaporation Processes 2017 , 332-354		
267	Computational analysis of facilitated transport in a microfluidic device. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 1189-1194	0.6	
266	Optimal Production of Ethyl Tert-butyl Ether using Pervaporation-based Hybrid Processes through the Analysis of Process Flowsheet. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 1123-1128	0.6	1

265	Computational Analysis of a Two-Phase Continuous-Flow Magnetophoretic Microsystem for Particle Separation from Biological Fluids. <i>Computer Aided Chemical Engineering</i> , 2017 , 40, 1183-1188	0.6	1
264	Membrane Operations for the Recovery of Valuable Metals from Industrial Wastewater. <i>Green Chemistry and Sustainable Technology</i> , 2017 , 319-348	1.1	
263	Theoretical and experimental formation of low chlorinated dibenzo-p-dioxins and dibenzofurans in the Fenton oxidation of chlorophenol solutions. <i>Chemosphere</i> , 2016 , 161, 136-144	8.4	13
262	Proton Exchange Membranes Based on Polymeric Ionic Liquids for Fuel Cell Applications. <i>ECS Transactions</i> , 2016 , 75, 589-596	1	4
261	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
260	Facilitated Transport of Propylene Through Composite Polymer-Ionic Liquid Membranes. Mass Transfer Analysis. <i>Chemical Product and Process Modeling</i> , 2016 , 11, 77-81	1.1	6
259	Membrane-based photocatalytic systems for process intensification. <i>Chemical Engineering Journal</i> , 2016 , 305, 136-148	14.7	86
258	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
257	Freezability of Andalusian donkey (<i>Equus asinus</i>) spermatozoa: effect of extenders and permeating cryoprotectants. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 1990-1998	1.8	16
256	Kinetic modeling and energy evaluation of sodium dodecylbenzenesulfonate photocatalytic degradation in a new LED reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 237-242	6.3	22
255	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
254	DNA integrity of canine spermatozoa during chill storage assessed by the sperm chromatin dispersion test using bright-field or fluorescence microscopy. <i>Theriogenology</i> , 2015 , 84, 399-406	2.8	7
253	Non-Newtonian shear-thinning viscosity of carbon monoxide-selective ionic liquid 1-hexyl-3-methylimidazolium chloride doped with CuCl. <i>Separation and Purification Technology</i> , 2015 , 155, 96-100	8.3	5
252	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
251	Highly conductive electrolytes based on poly([HSO ₃ -BVIIm][TfO])/[HSO ₃ -BMIm][TfO] mixtures for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11294-11302	6.7	23
250	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
249	Selective Recovery of Zinc over Iron from Spent Pickling Wastes by Different Membrane-based Solvent Extraction Process Configurations. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3218-3224	3.9	22
248	Selective recovery of zinc from spent pickling baths by the combination of membrane-based solvent extraction and electrowinning technologies. <i>Separation and Purification Technology</i> , 2015 , 151, 232-242	8.3	10

247	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
246	Recovery of desalination brines: separation of calcium, magnesium and sulfate as a pre-treatment step. <i>Desalination and Water Treatment</i> , 2015 , 56, 3617-3625		13
245	Carbon monoxide reactive separation with basic 1-hexyl-3-methylimidazolium chlorocuprate(I) ionic liquid: Electrochemical determination of mass transport properties. <i>Separation and Purification Technology</i> , 2015 , 141, 31-37	8.3	10
244	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
243	Behaviour of 1-hexyl-3-methylimidazolium chloride-supported ionic liquid membranes in the permeation of CO ₂ , H ₂ , CO and N ₂ single and mixed gases. <i>Desalination and Water Treatment</i> , 2015 , 56, 3640-3646		3
242	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
241	Nanofiltration separation of polyvalent and monovalent anions in desalination brines. <i>Journal of Membrane Science</i> , 2015 , 473, 16-27	9.6	94
240	Colloid single-layer centrifugation improves post-thaw donkey (<i>Equus asinus</i>) sperm quality and is related to ejaculate freezability. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 332-40	1.8	21
239	Life cycle assessment of technologies for partial dealcoholisation of wines. <i>Sustainable Production and Consumption</i> , 2015 , 2, 29-39	8.2	17
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