

Rosa M Quinta-Ferreira

List of Publications by Citations

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169
papers

3,872
citations

32
h-index

53
g-index

183
ext. papers

4,383
ext. citations

5.8
avg. IF

5.88
L-index

#	Paper	IF	Citations
169	Treatment and use of air pollution control residues from MSW incineration: an overview. <i>Waste Management</i> , 2008 , 28, 2097-121	8.6	256
168	Application of ozonation for pharmaceuticals and personal care products removal from water. <i>Science of the Total Environment</i> , 2017 , 586, 265-283	10.2	240
167	The influence of pH on the leaching behaviour of inorganic components from municipal solid waste APC residues. <i>Waste Management</i> , 2009 , 29, 2483-93	8.6	143
166	Catalytic ozonation of phenolic acids over a MnTeO catalyst. <i>Applied Catalysis B: Environmental</i> , 2009 , 90, 268-277	21.8	126
165	Fenton's oxidation process for phenolic wastewater remediation and biodegradability enhancement. <i>Journal of Hazardous Materials</i> , 2010 , 180, 716-21	12.8	109
164	Catalysts based in cerium oxide for wet oxidation of acrylic acid in the prevention of environmental risks. <i>Applied Catalysis B: Environmental</i> , 2004 , 47, 269-279	21.8	102
163	Phenolic wastewaters treatment by electrocoagulation process using Zn anode. <i>Chemical Engineering Journal</i> , 2015 , 275, 331-341	14.7	76
162	Photodegradation of single and mixture of parabens [Kinetic, by-products identification and cost-efficiency analysis. <i>Chemical Engineering Journal</i> , 2015 , 276, 303-314	14.7	70
161	Characterization of air pollution control residues produced in a municipal solid waste incinerator in Portugal. <i>Journal of Hazardous Materials</i> , 2008 , 152, 853-69	12.8	66
160	Photocatalytic ozonation using doped TiO catalysts for the removal of parabens in water. <i>Science of the Total Environment</i> , 2017 , 609, 329-340	10.2	64
159	Treatment improvement of urban landfill leachates by Fenton-like process using ZVI. <i>Chemical Engineering Journal</i> , 2012 , 192, 219-225	14.7	64
158	NiTiO ₂ Photocatalysts: A Review of Their Characteristics and Capacity for Emerging Contaminants Removal. <i>Water (Switzerland)</i> , 2019 , 11, 373	3	63
157	Applications of industrial eggshell as a valuable anthropogenic resource. <i>Resources, Conservation and Recycling</i> , 2017 , 123, 176-186	11.9	62
156	Chemical stabilization of air pollution control residues from municipal solid waste incineration. <i>Journal of Hazardous Materials</i> , 2010 , 179, 382-92	12.8	61
155	Electrochemical oxidation of phenolic wastewaters using a batch-stirred reactor with NaCl electrolyte and Ti/RuO ₂ anodes. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 785, 180-189	4.1	54
154	Ceria based solid catalysts for Fenton's deputation of phenolic wastewaters, biodegradability enhancement and toxicity removal. <i>Applied Catalysis B: Environmental</i> , 2010 , 99, 135-144	21.8	50
153	Percolation and batch leaching tests to assess release of inorganic pollutants from municipal solid waste incinerator residues. <i>Waste Management</i> , 2011 , 31, 236-45	8.6	49

152	Heat transfer to a gas from densely packed beds of monodisperse spherical particles. <i>Chemical Engineering Journal</i> , 2017 , 314, 27-37	14.7	48
151	Catalytic studies in wet oxidation of effluents from formaldehyde industry. <i>Chemical Engineering Science</i> , 2003 , 58, 963-970	4.4	48
150	Heat transfer to a gas from densely packed beds of cylindrical particles. <i>Chemical Engineering Science</i> , 2017 , 172, 1-12	4.4	47
149	Detoxification of parabens using UV-A enhanced by noble metalsTiO ₂ supported catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 3065-3074	6.8	47
148	CFD modelling of multiphase flow distribution in trickle beds. <i>Chemical Engineering Journal</i> , 2009 , 147, 342-355	14.7	44
147	Remediation of phenolic wastewaters by advanced oxidation processes (AOPs) at ambient conditions: Comparative studies. <i>Chemical Engineering Science</i> , 2011 , 66, 3243-3250	4.4	43
146	Screening of catalysts and effect of temperature for kinetic degradation studies of aromatic compounds during wet oxidation. <i>Applied Catalysis B: Environmental</i> , 2007 , 73, 193-202	21.8	43
145	Ozonation and perozone on the biodegradability improvement of a landfill leachate. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 527-533	6.8	41
144	Three-dimensional numerical simulation of pressure drop and liquid holdup for high-pressure trickle-bed reactor. <i>Chemical Engineering Journal</i> , 2008 , 145, 112-120	14.7	40
143	Screening of Ceria-Based and Commercial Ceramic Catalysts for Catalytic Ozonation of Simulated Olive Mill Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1196-1202	3.9	39
142	Immobilisation of lead and zinc in contaminated soil using compost derived from industrial eggshell. <i>Journal of Environmental Management</i> , 2015 , 164, 137-45	7.9	38
141	Ozone and Photocatalytic Processes for Pathogens Removal from Water: A Review. <i>Catalysts</i> , 2019 , 9, 46	4	38
140	Recycling of air pollution control residues from municipal solid waste incineration into lightweight aggregates. <i>Waste Management</i> , 2014 , 34, 430-8	8.6	35
139	Study of the influence of the matrix characteristics over the photocatalytic ozonation of parabens using Ag-TiO ₂ . <i>Science of the Total Environment</i> , 2019 , 646, 1468-1477	10.2	34
138	Assessment of CFD Euler-Euler method for trickle-bed reactor modelling in the catalytic wet oxidation of phenolic wastewaters. <i>Chemical Engineering Journal</i> , 2010 , 160, 293-301	14.7	33
137	Lumped kinetic models for single ozonation of phenolic effluents. <i>Chemical Engineering Journal</i> , 2010 , 165, 678-685	14.7	32
136	Noble metalTiO ₂ supported catalysts for the catalytic ozonation of parabens mixtures. <i>Chemical Engineering Research and Design</i> , 2017 , 111, 148-159	5.5	30
135	Dye wastewaters treatment using batch and recirculation flow electrocoagulation systems. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 30-37	4.1	30

134	Effect of Noble Metals (Ag, Pd, Pt) Loading over the Efficiency of TiO ₂ during Photocatalytic Ozonation on the Toxicity of Parabens. <i>ChemEngineering</i> , 2018 , 2, 4	2.6	29
133	Heterogeneous Fenton using ceria based catalysts: effects of the calcination temperature in the process efficiency. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 254-263	21.8	28
132	Phenolic wastewaters depuration and biodegradability enhancement by ozone over active catalysts. <i>Desalination</i> , 2011 , 270, 90-97	10.3	28
131	Advanced oxidation processes for treatment of effluents from a detergent industry. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 1031-41	2.6	26
130	Application of Fenton oxidation to reduce the toxicity of mixed parabens. <i>Water Science and Technology</i> , 2016 , 74, 1867-1875	2.2	26
129	Stabilisation/solidification of APC residues from MSW incineration with hydraulic binders and chemical additives. <i>Journal of Hazardous Materials</i> , 2014 , 264, 107-16	12.8	25
128	Adopting strategies to improve the efficiency of ozonation in the real-scale treatment of olive oil mill wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 1459-69	2.6	25
127	Evaluation of multiphase CFD models in gas-liquid packed-bed reactors for water pollution abatement. <i>Chemical Engineering Science</i> , 2010 , 65, 291-297	4.4	25
126	Catalytic and Noncatalytic Wet Oxidation of Formaldehyde. A Novel Kinetic Model. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 5099-5108	3.9	25
125	Electrochemical abatement of amaranth dye solutions using individual or an assembling of flow cells with Ti/Pt and Ti/Pt-SnSb anodes. <i>Separation and Purification Technology</i> , 2017 , 179, 194-203	8.3	24
124	Ozone/H ₂ O ₂ Performance on the Degradation of Sulfamethoxazole. <i>Ozone: Science and Engineering</i> , 2015 , 37, 509-517	2.4	24
123	Turbulence modelling of multiphase flow in high-pressure trickle-bed reactors. <i>Chemical Engineering Science</i> , 2009 , 64, 1806-1819	4.4	24
122	Thermal Runaway Conditions of a Partially Diluted Catalytic Reactor. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 4615-4623	3.9	24
121	Techno-economic assessment of chemical looping reforming of natural gas for hydrogen production and power generation with integrated CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2018 , 78, 7-20	4.2	23
120	Treatment of a Synthetic Phenolic Mixture by Electrocoagulation Using Al, Cu, Fe, Pb, and Zn as Anode Materials. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18339-18345	3.9	23
119	LABVIRTUAL – virtual platform to teach chemical processes. <i>Education for Chemical Engineers</i> , 2009 , 4, e9-e19	2.4	23
118	Modelling of the methane steam reforming reactor with large-pore catalysts. <i>Chemical Engineering Science</i> , 1992 , 47, 2909-2914	4.4	23
117	Detoxification of Olive Mill Wastewaters by Fenton – Process. <i>Catalysts</i> , 2018 , 8, 662	4	23

116	Catalytic activity of low cost materials for pollutants abatement by Fenton's process. <i>Chemical Engineering Science</i> , 2013 , 100, 225-233	4.4	22
115	A new winery wastewater treatment approach during vintage periods integrating ferric coagulation, Fenton reaction and activated sludge. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2207-2215	6.8	22
114	Paraben degradation using catalytic ozonation over volcanic rocks. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 7346-7357	5.1	21
113	Compatibility analysis of municipal solid waste incineration residues and clay for producing lightweight aggregates. <i>Applied Clay Science</i> , 2014 , 102, 71-80	5.2	21
112	Low-Cost Catalysts To Enhance Ozone Action on the Depuration of Olive Mill Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15357-15368	3.9	21
111	Iron recovery from the Fenton's treatment of winery effluent using an ion-exchange resin. <i>Journal of Molecular Liquids</i> , 2017 , 242, 505-511	6	21
110	From a lab test to industrial application: scale-up of Fenton process for real olive mill wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 1336-1344	3.5	21
109	Numerical Simulation of Trickle-Bed Reactor Hydrodynamics with RANS-Based Models Using a Volume of Fluid Technique. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1740-1748	3.9	21
108	Effect of intraparticle convection on the steady-state behavior of fixed-bed catalytic reactors. <i>Chemical Engineering Science</i> , 1990 , 45, 2653-2660	4.4	21
107	Catalytic wet oxidation of ethylene glycol: kinetics of reaction on a Mn ^{II} /Ce ^{IV} catalyst. <i>Chemical Engineering Science</i> , 2004 , 59, 5291-5299	4.4	20
106	Evaluation of Eggshell-Rich Compost as Biosorbent for Removal of Pb(II) from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	20
105	Ecotoxicity variation through parabens degradation by single and catalytic ozonation using volcanic rock. <i>Chemical Engineering Journal</i> , 2019 , 360, 30-37	14.7	20
104	Phenolic wastewaters depuration by electrochemical oxidation process using Ti/IrO anodes. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7521-7533	5.1	19
103	Integration of traditional systems and advanced oxidation process technologies for the industrial treatment of olive mill wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2524-35	2.6	19
102	A Review on the Applications of Ozonation for the Treatment of Real Agro-Industrial Wastewaters. <i>Ozone: Science and Engineering</i> , 2014 , 36, 3-35	2.4	19
101	Volume-of-fluid-based model for multiphase flow in high-pressure trickle-bed reactor: Optimization of numerical parameters. <i>AIChE Journal</i> , 2009 , 55, 2920-2933	3.6	19
100	Trickle-bed CFD studies in the catalytic wet oxidation of phenolic acids. <i>Chemical Engineering Science</i> , 2007 , 62, 7045-7052	4.4	19
99	Start-up and wrong-way behavior in a tubular reactor: dilution effect of the catalytic bed. <i>Chemical Engineering Science</i> , 2000 , 55, 3885-3897	4.4	19

98	TiO nanotube arrays-based reactor for photocatalytic oxidation of parabens mixtures in ultrapure water: Effects of photocatalyst properties, operational parameters and light source. <i>Science of the Total Environment</i> , 2019 , 689, 79-89	10.2	18
97	Catalytic studies for the abatement of emerging contaminants by ozonation. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1611-1618	3.5	18
96	Treatment of Amaranth dye in aqueous solution by using one cell or two cells in series with active and non-active anodes. <i>Electrochimica Acta</i> , 2016 , 210, 96-104	6.7	18
95	Winery wastewater treatment by integrating Fenton's process with biofiltration by <i>Corbicula fluminea</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 333-339	3.5	17
94	Environmentally applications of invasive bivalves for water and wastewater decontamination. <i>Science of the Total Environment</i> , 2018 , 630, 1016-1027	10.2	16
93	Solar Photocatalytic Degradation of Sulfamethoxazole by TiO ₂ Modified with Noble Metals. <i>Catalysts</i> , 2019 , 9, 500	4	16
92	Co-composting of eggshell waste in self-heating reactors: monitoring and end product quality. <i>Bioresource Technology</i> , 2013 , 148, 293-301	11	16
91	Studies on the Chemical Stabilisation of Digestate from Mechanically Recovered Organic Fraction of Municipal Solid Waste. <i>Waste and Biomass Valorization</i> , 2015 , 6, 711-721	3.2	15
90	Catalytic Efficiency of Red Mud for the Degradation of Olive Mill Wastewater through Heterogeneous Fenton's Process. <i>Water (Switzerland)</i> , 2019 , 11, 1183	3	14
89	Recovery of phenolic compounds from wastewaters through micellar enhanced ultrafiltration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 531, 18-24	5.1	14
88	Assessment of CFD/VOF Method for Trickle-Bed Reactor Modeling in the Catalytic Wet Oxidation of Phenolic Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 2638-2648	3.9	14
87	Soybean Oil Transesterification for Biodiesel Production with Micro-Structured Calcium Oxide (CaO) from Natural Waste Materials as a Heterogeneous Catalyst. <i>Energies</i> , 2019 , 12, 4670	3.1	14
86	Removal of Enteric Pathogens from Real Wastewater Using Single and Catalytic Ozonation. <i>Water (Switzerland)</i> , 2019 , 11, 127	3	13
85	Ozonation and ultrafiltration for the treatment of olive mill wastewaters: effect of key operating conditions and integration schemes. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15587-97	5.1	13
84	Hydrodynamic Simulation of Pulsing-Flow Regime in High-Pressure Trickle-Bed Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 1105-1112	3.9	13
83	Kinetic Modeling and Trickle-Bed CFD Studies in the Catalytic Wet Oxidation of Vanillic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8380-8387	3.9	13
82	Reverse-flow reactor for a selective oxidation process. <i>Chemical Engineering Science</i> , 1999 , 54, 4615-4627.	4.4	13
81	INTRAPARTICLE CONVECTION REVISITED. <i>Chemical Engineering Communications</i> , 1991 , 107, 21-33	2.2	13

80	Biofiltration using <i>C. fluminea</i> for <i>E.coli</i> removal from water: Comparison with ozonation and photocatalytic oxidation. <i>Chemosphere</i> , 2018 , 208, 674-681	8.4	12
79	Treatment of a simulated phenolic effluent by heterogeneous catalytic ozonation using Pt/Al ₂ O ₃ . <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 301-11	2.6	12
78	Fenton's Depuration of Weathered Olive Mill Wastewaters over a Fe ₃ O ₄ Solid Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9043-9051	3.9	12
77	Diffusion and catalytic zero-order reaction in a macroreticular ion exchange resin. <i>Chemical Engineering Science</i> , 1993 , 48, 2927-2950	4.4	12
76	Integrating Fenton's process and ion exchange for olive mill wastewater treatment and iron recovery. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 308-316	2.6	11
75	Fenton's treatment as an effective treatment for elderberry effluents: economical evaluation. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 1208-19	2.6	11
74	ECT imaging and CFD simulation of different cyclic modulation strategies for the catalytic abatement of hazardous liquid pollutants in trickle-bed reactors. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 270-284	14.7	11
73	Tailored investigation and characterization of heterogeneous {Mn,Cu}/TiO ₂ catalysts embedded within a ceria-based framework for the wet peroxide oxidation of hazardous pollutants. <i>Applied Catalysis B: Environmental</i> , 2012 , 117-118, 292-301	21.8	11
72	Manganese-Based Catalysts for the Catalytic Remediation of Phenolic Acids by Ozone. <i>Ozone: Science and Engineering</i> , 2009 , 31, 402-411	2.4	11
71	Model comparison and sensitivity analysis for a fixed bed reactor with two catalytic zones. <i>Chemical Engineering Journal</i> , 1999 , 75, 149-159	14.7	11
70	Comparison of radical-driven technologies applied for paraben mixture degradation: mechanism, biodegradability, toxicity and cost assessment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 37174-37192	5.1	11
69	Prediction of free air space in initial composting mixtures by a statistical design approach. <i>Journal of Environmental Management</i> , 2013 , 128, 75-82	7.9	10
68	Environmental preservation of emerging parabens contamination: effect of Ag and Pt loading over the catalytic efficiency of TiO ₂ during photocatalytic ozonation. <i>Energy Procedia</i> , 2017 , 136, 270-276	2.3	10
67	Environmental impact of APC residues from municipal solid waste incineration: reuse assessment based on soil and surface water protection criteria. <i>Waste Management</i> , 2011 , 31, 1984-91	8.6	10
66	Ozone-Based Technologies for Parabens Removal from Water: Toxicity Assessment. <i>Ozone: Science and Engineering</i> , 2017 , 39, 233-243	2.4	9
65	Nanofiltration and Fenton's process over iron shavings for surfactants removal. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 2380-8	2.6	9
64	Composition Effect of Iron-Copper Composite Catalysts in the Fenton Heterogeneous Process Efficiency and Cooxidation Synergy Assessment. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15369-15373	3.9	9
63	Flocculation, Ozonation, and Fenton's Process in the Treatment of Distillery Effluents. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 110-116	2	9

62	Final Remediation of Post-Biological Treated Milk Whey Wastewater by Ozone. <i>International Journal of Chemical Reactor Engineering</i> , 2010 , 8,	1.2	9
61	Heterogeneous Models of Tubular Reactors Packed with Ion-Exchange Resins: Simulation of the MTBE Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 3827-3841	3.9	9
60	Integrating the Fenton's Process with Biofiltration by to Reduce Chemical Oxygen Demand of Winery Effluents. <i>Journal of Environmental Quality</i> , 2017 , 46, 436-442	3.4	8
59	Removal of sulfamethoxazole and diclofenac from water: strategies involving O and HO. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1658-1669	2.6	8
58	Optimization of operating conditions for the valorization of olive mill wastewater using membrane processes. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 21968-21981	5.1	8
57	Assessment of co-composting process with high load of an inorganic industrial waste. <i>Waste Management</i> , 2017 , 59, 80-89	8.6	8
56	CFD and experimental studies of reactive pulsing flow in environmentally-based trickle-bed reactors. <i>Chemical Engineering Science</i> , 2011 , 66, 3280-3290	4.4	8
55	Dynamic behavior of fixed-bed reactors with large-pore catalysts: A bidimensional heterogeneous diffusion/convection model. <i>Computers and Chemical Engineering</i> , 1992 , 16, 721-751	4	8
54	Advanced oxidation processes for recalcitrant compounds removal comparison with biofiltration by <i>Corbicula fluminea</i> . <i>Energy Reports</i> , 2020 , 6, 666-671	4.6	8
53	A study of bio-hybrid silsesquioxane/yeast: Biosorption and neuronal toxicity of lead. <i>Journal of Biotechnology</i> , 2017 , 264, 43-50	3.7	7
52	Electrochemical oxidation of paraben compounds and the effects of byproducts on neuronal activity. <i>Energy Reports</i> , 2020 , 6, 903-908	4.6	7
51	A national inventory to estimate release of polychlorinated dibenzo-p-dioxins and dibenzofurans in Portugal. <i>Chemosphere</i> , 2011 , 85, 1749-58	8.4	7
50	Integration of advanced oxidation processes and activated sludge for the treatment of high refractory industrial wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 2503-2509	3.5	7
49	Modelling zinc changes at the hippocampal mossy fiber synaptic cleft. <i>Journal of Computational Neuroscience</i> , 2016 , 41, 323-337	1.4	7
48	Effect of Different Radiation Sources and Noble Metal Doped onto TiO ₂ for Contaminants of Emerging Concern Removal. <i>Water (Switzerland)</i> , 2019 , 11, 894	3	6
47	Influence of N-rich material in valorization of industrial eggshell by co-composting. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2773-85	2.6	6
46	Numerical Studies of Catalyst Wetting and Total Organic Carbon Reaction on Environmentally Based Trickle-Bed Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 10730-10743	3.9	6
45	Structured catalysts for partial oxidations. <i>Catalysis Today</i> , 2001 , 69, 121-129	5.3	6

44	Numerical simulation of reactive pulsing flow for the catalytic wet oxidation in TBR using a VOF technique. <i>AIChE Journal</i> , 2012 , 58, 493-504	3.6	5
43	Reuse of Homogeneous Fenton [®] Sludge from Detergent Industry as Fenton [®] Catalyst. <i>Journal of Advanced Oxidation Technologies</i> , 2013 , 16,		5
42	Integrated detoxification methodology of hazardous phenolic wastewaters in environmentally based trickle-bed reactors: Experimental investigation and CFD simulation. <i>Journal of Hazardous Materials</i> , 2011 , 189, 108-18	12.8	5
41	Gas-Liquid-Solid Reactions of Polyvinyl Alcohol on Oxidation Treatments for Environmental Pollution Remediation. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 566-573	2.3	5
40	High-Pressure Modeling of Unsteady-State Hydrodynamics in Cocurrent Gas-Liquid Trickle-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 2706-2714	3.9	4
39	Prediction of Solid Waste Incineration Residues Quantity for Valorization in Lightweight Aggregates. <i>Materials Science Forum</i> , 2006 , 514-516, 1731-1735	0.4	4
38	Pharmaceutical compounds electrotreatment by Pt anodes and effect on synaptic function. <i>Energy Procedia</i> , 2018 , 153, 461-465	2.3	4
37	Removal of a mixture of pharmaceuticals sulfamethoxazole and diclofenac from water streams by a polyamide nanofiltration membrane. <i>Water Science and Technology</i> , 2020 , 81, 732-743	2.2	3
36	Oleic acid enhances the production of reactive oxygen species in neuronal tissue. <i>Energy Reports</i> , 2020 , 6, 885-890	4.6	3
35	Multiscale modelling of packed bed chemical looping reforming. <i>Energy Procedia</i> , 2017 , 136, 349-355	2.3	3
34	Multiscale Modeling of a Packed Bed Chemical Looping Reforming (PBCLR) Reactor. <i>Energies</i> , 2017 , 10, 2056	3.1	3
33	Enhancing Agro-Industrial Wastewaters Depuration by Ozone Oxidation. <i>Ozone: Science and Engineering</i> , 2012 , 34, 387-396	2.4	3
32	Mathematical modeling of catalytic wet oxidation in trickle-bed reactors by a diffusion-convection-reaction approach embedded with an interstitial CFD framework. <i>Applied Mathematical Modelling</i> , 2012 , 36, 4634-4651	4.5	3
31	Comparison of Advanced Oxidation Processes (AOPs) based on O ₃ and H ₂ O ₂ for the Remediation of Real Wastewaters. <i>Journal of Advanced Oxidation Technologies</i> , 2011 , 14,		3
30	Numerical assessment of diffusion-convection-reaction model for the catalytic abatement of phenolic wastewaters in packed-bed reactors under trickling flow conditions. <i>Computers and Chemical Engineering</i> , 2011 , 35, 2706-2715	4	3
29	Fenton's Process for Post-Biologically Treated Cheese Production Wastewaters Final Remediation. Toxicity Assessment. <i>International Journal of Chemical Reactor Engineering</i> , 2010 , 8,	1.2	3
28	Organic biowastes blend selection for composting industrial eggshell by-product: experimental and statistical mixture design. <i>Water Science and Technology</i> , 2012 , 65, 1939-45	2.2	3
27	⁵⁷ Fe Mössbauer Studies in Mo [®] Supported Catalysts. <i>Hyperfine Interactions</i> , 2001 , 136, 9-16	0.8	3

26	Properties of Recent Hazardous Waste in Portugal. <i>Key Engineering Materials</i> , 2002 , 230-232, 400-403	0.4	3
25	Sulfamethoxazole induces zinc changes at hippocampal mossy fiber synapses from pregnant rats. <i>General Physiology and Biophysics</i> , 2018 , 37, 213-221	2.1	3
24	Postsynaptic zinc potentiation elicited by KCl depolarization at hippocampal mossy fiber synapses. <i>General Physiology and Biophysics</i> , 2017 , 36, 289-296	2.1	2
23	Euler-Lagrange CFD Simulation of a Gas-Liquid Fluidized Bed Reactor for the Mineralization of High-Strength Phenolic Wastewaters. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8891-8902	3.0	2
22	Integrated Strategy for Treatment of Winery Wastewaters Using Flocculation, Ozonation and Fenton [®] Oxidation. <i>Journal of Advanced Oxidation Technologies</i> , 2009 , 12,		2
21	Wrong-way behavior in packed-bed reactors with large-pore catalysts. <i>Chemical Engineering Science</i> , 1994 , 49, 5571-5583	4.4	2
20	Life cycle assessment of lightweight aggregates produced with ashes from municipal solid waste incineration. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 1922-1931	3.4	2
19	Olive mill effluent depuration by ozonation and Fenton processes enhanced by iron wastes. <i>Water Science and Technology</i> , 2016 , 73, 1136-44	2.2	2
18	Iron-based catalysts under solar and visible radiation for contaminants of emerging concern removal. <i>Energy Reports</i> , 2020 , 6, 711-716	4.6	2
17	Electrochemical degradation of psychotropic pharmaceutical compounds from municipal wastewater and neurotoxicity evaluations. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 23958-23974	5.1	2
16	Verification of Heat and Mass Transfer Closures in Industrial Scale Packed Bed Reactor Simulations. <i>Energies</i> , 2018 , 11, 805	3.1	1
15	Closure Development for Multi-Scale Fluidized Bed Reactor Models: A Case Study. <i>Computer Aided Chemical Engineering</i> , 2018 , 43, 247-252	0.6	1
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13	1D modelling of membrane-assisted chemical looping reforming. <i>Energy Procedia</i> , 2017 , 136, 277-282	2.3	1
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9	Action of bioactive compounds in cellular oxidative response. <i>Energy Reports</i> , 2020 , 6, 891-896	4.6	1

8	Effect of Calcination Temperature over the Performance of Mn-Ce-O on the Catalytic Ozonation of Olive Mill Wastewater. <i>Ozone: Science and Engineering</i> , 2016 , 38, 261-271	2.4	1
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6	Electrocoagulation Treatment of Cork Boiling Wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107750	6.8	1
5	Coagulation and biofiltration by <i>Corbicula fluminea</i> for COD and toxicity reduction of swine wastewater. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102145	6.7	0
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