

Vitor J P Vilar

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.

225
papers

8,524
citations

48
h-index

81
g-index

239
ext. papers

9,778
ext. citations

9.8
avg, IF

6.6
L-index

#	Paper	IF	Citations
225	Solar-driven heterogeneous photocatalysis using a static mixer as TiO ₂ -P25 support: Impact of reflector optics and material. <i>Chemical Engineering Journal</i> , 2022 , 435, 134831	14.7	1
224	Tubular photobioreactors illuminated with LEDs to boost microalgal biomass production. <i>Chemical Engineering Journal</i> , 2022 , 435, 134747	14.7	0
223	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. <i>Chemosphere</i> , 2022 , 287, 132023	8.4	3
222	Radiation field modeling of the NETmix milli-photocatalytic reactor: Effect of LEDs position over the reactor window. <i>Chemical Engineering Journal</i> , 2022 , 429, 131670	14.7	2
221	Multistage treatment for olive mill wastewater: Assessing legal compliance and operational costs. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107442	6.8	0
220	Industrial steel waste recovery pathway: Production of innovative supported catalyst and its application on hexavalent chromium reduction studies.. <i>Chemosphere</i> , 2022 , 134216	8.4	0
219	Landfill leachate biological treatment: perspective for the aerobic granular sludge technology.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
218	CFD and radiation field modeling of the NETmix milli-photocatalytic reactor for n-decane oxidation at gas phase: Effect of LEDs number and arrangement. <i>Chemical Engineering Journal</i> , 2022 , 444, 136577	14.7	0
217	Tube-in-tube membrane photoreactor as a new technology to boost sulfate radical advanced oxidation processes. <i>Water Research</i> , 2021 , 191, 116815	12.5	5
216	Turning Carbon Dioxide and Ethane into Ethanol by Solar-Driven Heterogeneous Photocatalysis over RuO ₂ - and NiO-co-Doped SrTiO ₃ . <i>Catalysts</i> , 2021 , 11, 461	4	3
215	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105060	6.8	3
214	How volumetric exchange ratio and carbon availability contribute to enhance granular sludge stability in a fill/draw mode SBR treating domestic wastewater?. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101917	6.7	3
213	Finding a suitable treatment solution for a leachate from a non-hazardous industrial solid waste landfill. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105168	6.8	2
212	A tubular ceramic membrane coated with TiO ₂ -P25 for radial addition of HO towards AMX removal from synthetic solutions and secondary urban wastewater. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
211	The role of ozone combined with UVC/HO process for the tertiary treatment of a real slaughterhouse wastewater. <i>Journal of Environmental Management</i> , 2021 , 289, 112480	7.9	4
210	Facile fabrication of hybrid titanium(IV) isopropoxide/pozzolan nanosheets (TnS-Pz) of high photocatalytic activity: characterization and application for Cr(VI) reduction in an aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 23568-23581	5.1	3
209	Assessing the potential of microalgae for nutrients removal from a landfill leachate using an innovative tubular photobioreactor. <i>Chemical Engineering Journal</i> , 2021 , 413, 127546	14.7	15

208	A step forward on NETmix reactor for heterogeneous photocatalysis: Kinetic modeling of As(III) oxidation. <i>Chemical Engineering Journal</i> , 2021 , 405, 126612	14.7	5
207	Peroxidation and photo-peroxidation of pantoprazole in aqueous solution using silver molybdate as catalyst. <i>Chemosphere</i> , 2021 , 262, 127671	8.4	6
206	Bromate removal from water intended for human consumption by heterogeneous photocatalysis: Effect of major dissolved water constituents. <i>Chemosphere</i> , 2021 , 263, 128111	8.4	7
205	Large area continuous multilayer graphene membrane for water desalination. <i>Chemical Engineering Journal</i> , 2021 , 413, 127510	14.7	11
204	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. <i>Chemosphere</i> , 2021 , 263, 128049	8.4	9
203	Cork granules as electron donor in integrated reduction/oxidation and sorption processes for hexavalent chromium removal from synthetic aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105001	6.8	3
202	ZnO Polymeric Composite Films for -Decane Removal from Air Streams in a Continuous Flow NETmix Photoreactor under UVA Light. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
201	Incorporation of ozone-driven processes in a treatment line for a leachate from a hazardous industrial waste landfill: Impact on the bio-refractory character and dissolved organic matter distribution. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105554	6.8	5
200	Ultrafiltration ceramic membrane as oxidant-catalyst/water contactor to promote sulfate radical AOPs: a case study on 17 β -estradiol and 17 β -ethinylestradiol removal. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
199	How does the pre-treatment of landfill leachate impact the performance of O and O/UVC processes?. <i>Chemosphere</i> , 2021 , 278, 130389	8.4	5
198	A Novel Ceramic Tubular Membrane Coated with a Continuous Graphene-TiO ₂ Nanocomposite Thin-Film for CECs Mitigation. <i>Chemical Engineering Journal</i> , 2021 , 132639	14.7	4
197	Experimental and Techno-Economic Study on the Use of Microalgae for Paper Industry Effluents Remediation. <i>Sustainability</i> , 2021 , 13, 1314	3.6	8
196	Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. <i>Journal of Cleaner Production</i> , 2020 , 270, 121858	10.3	12
195	Outdoor Cultivation of the Microalga <i>Chlorella vulgaris</i> in a New Photobioreactor Configuration: The Effect of Ultraviolet and Visible Radiation. <i>Energies</i> , 2020 , 13, 1962	3.1	4
194	Development of a treatment train for the remediation of a hazardous industrial waste landfill leachate: A big challenge. <i>Science of the Total Environment</i> , 2020 , 741, 140165	10.2	7
193	Microalgal Growth in Paper Industry Effluent: Coupling Biomass Production with Nutrients Removal. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3009	2.6	4
192	Innovative light-driven chemical/catalytic reactors towards contaminants of emerging concern mitigation: A review. <i>Chemical Engineering Journal</i> , 2020 , 394, 124865	14.7	20
191	Ozone-driven processes for mature urban landfill leachate treatment: Organic matter degradation, biodegradability enhancement and treatment costs for different reactors configuration. <i>Science of the Total Environment</i> , 2020 , 724, 138083	10.2	25

190	A step forward on mathematical modeling of barium removal from aqueous solutions using seaweeds as natural cation exchangers: Batch and fixed-bed systems. <i>Chemical Engineering Journal</i> , 2020 , 401, 126019	14.7	4
189	Heterogeneous photocatalytic degradation of pharmaceuticals in synthetic and real matrices using a tube-in-tube membrane reactor with radial addition of HO. <i>Science of the Total Environment</i> , 2020 , 743, 140629	10.2	12
188	The Effect of Light Wavelength on CO ₂ Capture, Biomass Production and Nutrient Uptake by Green Microalgae: A Step Forward on Process Integration and Optimisation. <i>Energies</i> , 2020 , 13, 333	3.1	17
187	Tube-in-tube membrane reactor for heterogeneous TiO ₂ photocatalysis with radial addition of H ₂ O ₂ . <i>Chemical Engineering Journal</i> , 2020 , 395, 124998	14.7	20
186	Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. <i>Materials</i> , 2020 , 14,	3.5	5
185	Enhancing methane yield from crude glycerol anaerobic digestion by coupling with ultrasound or <i>A. niger</i> / <i>E. coli</i> biodegradation. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 1461-1474	5.1	9
184	Strategies for the intensification of photocatalytic oxidation processes towards air streams decontamination: A review. <i>Chemical Engineering Journal</i> , 2020 , 391, 123531	14.7	19
183	Use of cork granules as an effective sustainable material to clean-up spills of crude oil and derivatives. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 366-378	5.1	1
182	Radiation modelling in the NETmix photocatalytic reactor: The concept of efficiencies in series. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104464	6.8	3
181	Integration of Fenton's reaction based processes and cation exchange processes in textile wastewater treatment as a strategy for water reuse. <i>Journal of Environmental Management</i> , 2020 , 272, 111082	7.9	12
180	Turning cork by-products into smart and green materials for solid-phase extraction - gas chromatography tandem mass spectrometry analysis of fungicides in water. <i>Journal of Chromatography A</i> , 2020 , 1628, 461437	4.5	5
179	Tube-in-tube membrane microreactor for photochemical UVC/H ₂ O ₂ processes: A proof of concept. <i>Chemical Engineering Journal</i> , 2020 , 379, 122341	14.7	13
178	Removal of bromate from drinking water using a heterogeneous photocatalytic mili-reactor: impact of the reactor material and water matrix. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 33281-33293	5.1	4
177	Overcoming limitations in photochemical UVC/HO systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. <i>Science of the Total Environment</i> , 2019 , 660, 982-992	10.2	11
176	Intensification of heterogeneous TiO photocatalysis using the NETmix mili-photoreactor under microscale illumination for oxytetracycline oxidation. <i>Science of the Total Environment</i> , 2019 , 681, 467-474	10.2	15
175	Treatment train for mature landfill leachates: Optimization studies. <i>Science of the Total Environment</i> , 2019 , 673, 470-479	10.2	24
174	Photodegradation behaviour of multiclass ultraviolet filters in the aquatic environment: Removal strategies and photoproduct identification by liquid chromatography-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1596, 8-19	4.5	10
173	Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 839, 283-289	4.1	17

172	Intensifying heterogeneous TiO photocatalysis for bromate reduction using the NETmix photoreactor. <i>Science of the Total Environment</i> , 2019 , 664, 805-816	10.2	18
171	An innovative photoreactor, FluHelik, to promote UVC/HO photochemical reactions: Tertiary treatment of an urban wastewater. <i>Science of the Total Environment</i> , 2019 , 667, 197-207	10.2	20
170	Selecting the best piping arrangement for scaling-up an annular channel reactor: An experimental and computational fluid dynamics study. <i>Science of the Total Environment</i> , 2019 , 667, 821-832	10.2	16
169	Development of an integrated treatment strategy for a leather tannery landfill leachate. <i>Waste Management</i> , 2019 , 89, 114-128	8.6	18
168	Photocatalytic NO abatement: Mathematical modeling, CFD validation and reactor analysis. <i>Journal of Hazardous Materials</i> , 2019 , 372, 145-153	12.8	11
167	Photocatalytic membrane reactor performance towards oxytetracycline removal from synthetic and real matrices: Suspended vs immobilized TiO ₂ -P25. <i>Chemical Engineering Journal</i> , 2019 , 378, 122114	14.7	33
166	Ozonation and ozone-enhanced photocatalysis for VOC removal from air streams: Process optimization, synergy and mechanism assessment. <i>Science of the Total Environment</i> , 2019 , 687, 1357-1368	10.2	42
165	Advances in bromate reduction by heterogeneous photocatalysis: The use of a static mixer as photocatalyst support. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 322-332	21.8	10
164	Inhibition effect of zinc, cadmium, and nickel ions in microalgal growth and nutrient uptake from water: An experimental approach. <i>Chemical Engineering Journal</i> , 2019 , 366, 358-367	14.7	16
163	Effect of catalyst coated surface, illumination mechanism and light source in heterogeneous TiO ₂ photocatalysis using a mili-photoreactor for n-decane oxidation at gas phase. <i>Chemical Engineering Journal</i> , 2019 , 366, 560-568	14.7	19
162	Performance of hybrid systems coupling advanced oxidation processes and ultrafiltration for oxytetracycline removal. <i>Catalysis Today</i> , 2019 , 328, 274-280	5.3	25
161	Multistage treatment technology for leachate from mature urban landfill: Full scale operation performance and challenges. <i>Chemical Engineering Journal</i> , 2019 , 376, 120573	14.7	18
160	As(III) and Cr(VI) oxyanion removal from water by advanced oxidation/reduction processes-a review. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 2203-2227	5.1	48
159	Sulphur compounds removal from an industrial landfill leachate by catalytic oxidation and chemical precipitation: From a hazardous effluent to a value-added product. <i>Science of the Total Environment</i> , 2019 , 655, 1249-1260	10.2	20
158	Industrial steel waste as an iron source to promote heterogeneous and homogeneous oxidation/reduction reactions. <i>Journal of Cleaner Production</i> , 2019 , 211, 804-817	10.3	18
157	A step forward in heterogeneous photocatalysis: Process intensification by using a static mixer as catalyst support. <i>Chemical Engineering Journal</i> , 2018 , 343, 597-606	14.7	43
156	Strategies to reduce mass and photons transfer limitations in heterogeneous photocatalytic processes: Hexavalent chromium reduction studies. <i>Journal of Environmental Management</i> , 2018 , 217, 555-564	7.9	25
155	A facile method to prepare translucent anatase thin films in monolithic structures for gas stream purification. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27796-27807	5.1	1

154	Mineralization of humic acids (HAs) by a solar photo-Fenton reaction mediated by ferrioxalate complexes: commercial HAs vs extracted from leachates. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27783-27795	5.1	5
153	Assessment of advanced oxidation processes for the degradation of three UV filters from swimming pool water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 351, 95-107	4.7	13
152	Insights on sulfamethoxazole bio-transformation by environmental Proteobacteria isolates. <i>Journal of Hazardous Materials</i> , 2018 , 358, 310-318	12.8	34
151	Application of a micro-meso-structured reactor (NETmix) to promote photochemical UVC/HO processes - oxidation of As(III) to As(V). <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 1179-1188	4.2	5
150	Cost-effective solar collector to promote photo-Fenton reactions: A case study on the treatment of urban mature leachate. <i>Journal of Cleaner Production</i> , 2018 , 199, 369-382	10.3	18
149	Fluorene oxidation by solar-driven photo-Fenton process: toward mild pH conditions. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27808-27818	5.1	1
148	Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. <i>Journal of Environmental Management</i> , 2018 , 223, 215-253	7.9	44
147	Application of ecofriendly cation exchangers (<i>Gracilaria caudata</i> and <i>Gracilaria cervicornis</i>) for metal ions separation and recovery from a synthetic petrochemical wastewater: Batch and fixed bed studies. <i>Journal of Cleaner Production</i> , 2018 , 172, 1928-1945	10.3	32
146	Integrating water quality responses to best management practices in Portugal. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 1587-1596	5.1	11
145	Chemical and electrochemical advanced oxidation processes as a polishing step for textile wastewater treatment: A study regarding the discharge into the environment and the reuse in the textile industry. <i>Journal of Cleaner Production</i> , 2018 , 198, 430-442	10.3	40
144	Photo-Fenton oxidation of 3-amino-5-methylisoxazole: a by-product from biological breakdown of some pharmaceutical compounds. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6195-6204	5.1	8
143	Intensification of heterogeneous TiO ₂ photocatalysis using an innovative micro-meso-structured-reactor for Cr(VI) reduction under simulated solar light. <i>Chemical Engineering Journal</i> , 2017 , 318, 76-88	14.7	61
142	Mineral oil recovery from cork granules by a mechanical compression method: Compression cycles analysis. <i>Journal of Cleaner Production</i> , 2017 , 147, 442-450	10.3	2
141	Cation exchange prediction model for copper binding onto raw brown marine macro-algae <i>Ascophyllum nodosum</i> : Batch and fixed-bed studies. <i>Chemical Engineering Journal</i> , 2017 , 316, 255-276	14.7	15
140	Ferrioxalate complexes as strategy to drive a photo-FENTON reaction at mild pH conditions: A case study on levofloxacin oxidation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 345, 109-123	4.7	44
139	How the performance of a biological pre-oxidation step can affect a downstream photo-Fenton process on the remediation of mature landfill leachates: Assessment of kinetic parameters and characterization of the bacterial communities. <i>Separation and Purification Technology</i> , 2017 , 175, 274-286	8.3	19
138	Photodegradation of multiclass fungicides in the aquatic environment and determination by liquid chromatography-tandem mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 19181-19193	5.1	14
137	Cow bones char as a green sorbent for fluorides removal from aqueous solutions: batch and fixed-bed studies. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 2364-2380	5.1	23

136	An innovative multistage treatment system for sanitary landfill leachate depuration: Studies at pilot-scale. <i>Science of the Total Environment</i> , 2017 , 576, 99-117	10.2	41
135	Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 217-261	21.8	1108
134	Photocatalytic reduction of Cr(VI) over TiO ₂ -coated cellulose acetate monolithic structures using solar light. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 18-30	21.8	154
133	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6372-6381	5.1	29
132	Remediation of a synthetic textile wastewater from polyester-cotton dyeing combining biological and photochemical oxidation processes. <i>Separation and Purification Technology</i> , 2017 , 172, 450-462	8.3	55
131	Intensification of heterogeneous TiO ₂ photocatalysis using an innovative micro-meso-structured-photoreactor for n-decane oxidation at gas phase. <i>Chemical Engineering Journal</i> , 2017 , 310, 331-341	14.7	47
130	Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 161-171	21.8	54
129	Marine macro-alga <i>Sargassum cymosum</i> as electron donor for hexavalent chromium reduction to trivalent state in aqueous solutions. <i>Chemical Engineering Journal</i> , 2016 , 283, 903-910	14.7	22
128	Scale-up and cost analysis of a photo-Fenton system for sanitary landfill leachate treatment. <i>Chemical Engineering Journal</i> , 2016 , 283, 76-88	14.7	62
127	Tertiary treatment of a municipal wastewater toward pharmaceuticals removal by chemical and electrochemical advanced oxidation processes. <i>Water Research</i> , 2016 , 105, 251-263	12.5	92
126	Photochemical UVC/H ₂ O ₂ oxidation system as an effective method for the decolourisation of bio-treated textile wastewaters: towards onsite water reuse. <i>RSC Advances</i> , 2016 , 6, 90631-90645	3.7	11
125	Solar photocatalytic reduction of Cr(VI) over Fe(III) in the presence of organic sacrificial agents. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 208-219	21.8	52
124	Multidrug-resistant Enterobacteriaceae from indoor air of an urban wastewater treatment plant. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 388	3.1	16
123	Brown macro-algae as natural cation exchangers for the treatment of zinc containing wastewaters generated in the galvanizing process. <i>Journal of Cleaner Production</i> , 2016 , 119, 38-49	10.3	37
122	Removal of hexavalent chromium from electroplating wastewaters using marine macroalga <i>Pelvetia canaliculata</i> as natural electron donor. <i>Chemical Engineering Journal</i> , 2016 , 290, 477-489	14.7	46
121	Design of a fixed-bed ion-exchange process for the treatment of rinse waters generated in the galvanization process using <i>Laminaria hyperborea</i> as natural cation exchanger. <i>Water Research</i> , 2016 , 90, 354-368	12.5	22
120	Assessment of AOPs as a polishing step in the decolourisation of bio-treated textile wastewater: Technical and economic considerations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 317, 26-38	4.7	26
119	Removal of metal ions from a petrochemical wastewater using brown macro-algae as natural cation-exchangers. <i>Chemical Engineering Journal</i> , 2016 , 286, 1-15	14.7	78

118	New insights on the removal of mineral oil from oil-in-water emulsions using cork by-products: Effect of salt and surfactants content. <i>Chemical Engineering Journal</i> , 2016 , 285, 709-717	14.7	28
117	Nitrogen Removal from Landfill Leachate by Microalgae. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	32
116	Oil and grease removal from wastewaters: Sorption treatment as an alternative to state-of-the-art technologies. A critical review. <i>Chemical Engineering Journal</i> , 2016 , 297, 229-255	14.7	166
115	Treatment of vegetable oil refinery wastewater by sorption of oil and grease onto regranulated cork [A study in batch and continuous mode. <i>Chemical Engineering Journal</i> , 2015 , 268, 92-101	14.7	22
114	Biodegradability and toxicity assessment of a real textile wastewater effluent treated by an optimized electrocoagulation process. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 496-506	2.6	24
113	Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. <i>Water Research</i> , 2015 , 75, 95-108	12.5	54
112	The role of emulsion properties and stability in vegetable oil uptake by regranulated cork sorbents. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1601-1610	3.5	4
111	Evaluation of a solar/UV annular pilot scale reactor for 24 h continuous photocatalytic oxidation of n-decane. <i>Chemical Engineering Journal</i> , 2015 , 280, 409-416	14.7	20
110	Performance evaluation of the main units of a refinery wastewater treatment plant [A case study. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2095-2103	6.8	13
109	Enhancement of a solar photo-Fenton reaction by using ferrioxalate complexes for the treatment of a synthetic cotton-textile dyeing wastewater. <i>Chemical Engineering Journal</i> , 2015 , 277, 86-96	14.7	86
108	Oil desorption and recovery from cork sorbents. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2917-2923	6.8	5
107	Insights into solar photo-Fenton reaction parameters in the oxidation of a sanitary landfill leachate at lab-scale. <i>Journal of Environmental Management</i> , 2015 , 164, 32-40	7.9	29
106	Photocatalytic oxidation of gaseous perchloroethylene over TiO ₂ based paint. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 311, 41-52	4.7	27
105	Synthesis and characterization of N-modified titania nanotubes for photocatalytic applications. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 810-9	5.1	11
104	N-modified TiO ₂ photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 66-74	21.8	54
103	Gas phase oxidation of n-decane and PCE by photocatalysis using an annular photoreactor packed with a monolithic catalytic bed coated with P25 and PC500. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 306-315	21.8	45
102	Ion exchange prediction model for multi-metal systems obtained from single-metal systems using the macroalga <i>Pelvetia canaliculata</i> (Phaeophyceae) as a natural cation exchanger. <i>Chemical Engineering Journal</i> , 2015 , 260, 694-705	14.7	10
101	Degradation of trimethoprim antibiotic by UVA photoelectro-Fenton process mediated by Fe(III)carboxylate complexes. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 34-44	21.8	69

100	Performance evaluation of different solar advanced oxidation processes applied to the treatment of a real textile dyeing wastewater. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 833-45	5.1	33
99	Solar photocatalytic gas-phase degradation of n-decane--a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO ₂ films. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 820-32	5.1	10
98	Ion-exchange breakthrough curves for single and multi-metal systems using marine macroalgae <i>Pelvetia canaliculata</i> as a natural cation exchanger. <i>Chemical Engineering Journal</i> , 2015 , 269, 359-370	14.7	22
97	Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. <i>Water Research</i> , 2015 , 81, 375-87	12.5	82
96	Oxidation of microcystin-LR and cylindrospermopsin by heterogeneous photocatalysis using a tubular photoreactor packed with different TiO ₂ coated supports. <i>Chemical Engineering Journal</i> , 2015 , 266, 100-111	14.7	26
95	Effect of TiO ₂ photocatalysis on the destruction of <i>Microcystis aeruginosa</i> cells and degradation of cyanotoxins microcystin-LR and cylindrospermopsin. <i>Chemical Engineering Journal</i> , 2015 , 268, 144-152	14.7	61
94	Enhancement of a solar photo-Fenton reaction with ferric-organic ligands for the treatment of acrylic-textile dyeing wastewater. <i>Journal of Environmental Management</i> , 2015 , 152, 120-31	7.9	71
93	Insights into solar photo-Fenton process using iron(III) organic ligand complexes applied to real textile wastewater treatment. <i>Chemical Engineering Journal</i> , 2015 , 266, 203-212	14.7	71
92	Insights into nanofiltration of textile wastewaters for water reuse. <i>Clean Technologies and Environmental Policy</i> , 2014 , 16, 591-600	4.3	18
91	Benzene, toluene and o-xylene (BTX) removal from aqueous solutions through adsorptive processes. <i>Adsorption</i> , 2014 , 20, 577	2.6	13
90	Enhancement of the photo-Fenton reaction at near neutral pH through the use of ferrioxalate complexes: A case study on trimethoprim and sulfamethoxazole antibiotics removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014 , 247, 302-313	14.7	80
89	Integrated hydrological and water quality model for river management: a case study on Lena River. <i>Science of the Total Environment</i> , 2014 , 485-486, 474-489	10.2	53
88	Marine macroalgae <i>Pelvetia canaliculata</i> (Phaeophyceae) as a natural cation exchanger for cadmium and lead ions separation in aqueous solutions. <i>Chemical Engineering Journal</i> , 2014 , 242, 294-305	14.7	40
87	Watershed model parameter estimation and uncertainty in data-limited environments. <i>Environmental Modelling and Software</i> , 2014 , 51, 84-93	5.2	44
86	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO ₂ /CNT composites. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 65-81	21.8	72
85	Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. <i>Water Research</i> , 2014 , 65, 307-20	12.5	28
84	Intensification of a solar photo-Fenton reaction at near neutral pH with ferrioxalate complexes: A case study on diclofenac removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014 , 256, 448-457	14.7	66
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