

Rui A R Boaventura

List of Publications by Year in descending order

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278
papers

15,704
citations

14644

66
h-index

25770

108
g-index

280
all docs

280
docs citations

280
times ranked

15098
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing the state-of-the-art on the adsorption of coexisting pnictogens in water: A literature review. <i>Chemosphere</i> , 2022, 286, 131947.	4.2	0
2	Antimony removal from water by pine bark tannin resin: Batch and fixed-bed adsorption. <i>Journal of Environmental Management</i> , 2022, 302, 114100.	3.8	7
3	Tannin-based coagulants: Current development and prospects on synthesis and uses. <i>Science of the Total Environment</i> , 2022, 822, 153454.	3.9	18
4	Multistage treatment for olive mill wastewater: Assessing legal compliance and operational costs. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107442.	3.3	9
5	Efficient removal of arsenic from aqueous solution by continuous adsorption onto iron-coated cork granulates. <i>Journal of Hazardous Materials</i> , 2022, 432, 128657.	6.5	36
6	Bromate removal from water intended for human consumption by heterogeneous photocatalysis: Effect of major dissolved water constituents. <i>Chemosphere</i> , 2021, 263, 128111.	4.2	12
7	Multicomponent adsorption of pentavalent As, Sb and P onto iron-coated cork granulates. <i>Journal of Hazardous Materials</i> , 2021, 406, 124339.	6.5	16
8	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.	4.2	17
9	Current Trends of Arsenic Adsorption in Continuous Mode: Literature Review and Future Perspectives. <i>Sustainability</i> , 2021, 13, 1186.	1.6	22
10	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.	1.6	18
11	The role of ozone combined with UVC/H ₂ O ₂ process for the tertiary treatment of a real slaughterhouse wastewater. <i>Journal of Environmental Management</i> , 2021, 289, 112480.	3.8	10
12	How does the pre-treatment of landfill leachate impact the performance of O ₃ and O ₃ /UVC processes?. <i>Chemosphere</i> , 2021, 278, 130389.	4.2	12
13	Superior operational stability of immobilized L-asparaginase over surface-modified carbon nanotubes. <i>Scientific Reports</i> , 2021, 11, 21529.	1.6	6
14	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.	6.6	21
15	Performance and prospects of different adsorbents for phosphorus uptake and recovery from water. <i>Chemical Engineering Journal</i> , 2020, 381, 122566.	6.6	333
16	Removal of antimony from water by iron-coated cork granulates. <i>Separation and Purification Technology</i> , 2020, 233, 116020.	3.9	35
17	Treatment of biodigested coffee processing wastewater using Fenton's oxidation and coagulation/flocculation. <i>Environmental Pollution</i> , 2020, 259, 113796.	3.7	14
18	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.	2.7	15

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19	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.	2.7	5
20	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.	3.8	33
21	Development and characterization of a novel <sc>I</sc>-asparaginase/MWCNT nanobioconjugate. <i>RSC Advances</i> , 2020, 10, 31205-31213.	1.7	20
22	Uptake and Recovery of Gold from Simulated Hydrometallurgical Liquors by Adsorption on Pine Bark Tannin Resin. <i>Water (Switzerland)</i> , 2020, 12, 3456.	1.2	12
23	Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. <i>Journal of Cleaner Production</i> , 2020, 270, 121858.	4.6	27
24	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.	3.9	14
25	Complexation mechanisms in arsenic and phosphorus adsorption onto iron-coated cork granulates. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104184.	3.3	26
26	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.	3.9	44
27	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.	6.6	33
28	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.	6.6	69
29	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.	3.9	62
30	Tanninâ€Adsorbents for Water Decontamination and for the Recovery of Critical Metals: Current State and Future Perspectives. <i>Biotechnology Journal</i> , 2019, 14, e1900060.	1.8	33
31	Quality assessment of water intended for human consumption from Kwanza, Dande and Bengo rivers (Angola). <i>Environmental Pollution</i> , 2019, 254, 113037.	3.7	27
32	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.	2.7	5
33	Overcoming limitations in photochemical UVC/H ₂ O ₂ systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. <i>Science of the Total Environment</i> , 2019, 660, 982-992.	3.9	16
34	Intensification of heterogeneous TiO ₂ photocatalysis using the NETmix mili-photoreactor under microscale illumination for oxytetracycline oxidation. <i>Science of the Total Environment</i> , 2019, 681, 467-474.	3.9	37
35	Evaluation of a tannin-based coagulant on the decolorization of synthetic effluents. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103125.	3.3	35
36	Treatment train for mature landfill leachates: Optimization studies. <i>Science of the Total Environment</i> , 2019, 673, 470-479.	3.9	37

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37	Intensifying heterogeneous TiO ₂ photocatalysis for bromate reduction using the NETmix photoreactor. <i>Science of the Total Environment</i> , 2019, 664, 805-816.	3.9	24
38	An innovative photoreactor, FluHelik, to promote UVC/H ₂ O ₂ photochemical reactions: Tertiary treatment of an urban wastewater. <i>Science of the Total Environment</i> , 2019, 667, 197-207.	3.9	25
39	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.	3.9	25
40	Development of an integrated treatment strategy for a leather tannery landfill leachate. <i>Waste Management</i> , 2019, 89, 114-128.	3.7	26
41	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.	10.8	18
42	Effect of catalyst coated surface, illumination mechanism and light source in heterogeneous TiO ₂ photocatalysis using a mini-photoreactor for n-decane oxidation at gas phase. <i>Chemical Engineering Journal</i> , 2019, 366, 560-568.	6.6	26
43	Multistage treatment technology for leachate from mature urban landfill: Full scale operation performance and challenges. <i>Chemical Engineering Journal</i> , 2019, 376, 120573.	6.6	24
44	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.	2.7	87
45	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.	3.9	27
46	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.	6.6	57
47	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.	3.8	29
48	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.	2.7	5
49	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.	2.7	6
50	Integrating water quality responses to best management practices in Portugal. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1587-1596.	2.7	14
51	Macroalgae Biomass as Sorbent for Metal Ions. , 2018, , 69-112.		12
52	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.	4.6	57
53	Arsenate and arsenite adsorption onto iron-coated cork granulates. <i>Science of the Total Environment</i> , 2018, 642, 1075-1089.	3.9	70
54	Application of a micro-meso-structured reactor (NETmix) to promote photochemical UVC/H ₂ O ₂ processes — oxidation of As(III) to As(V). <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1179-1188.	1.6	5

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55	Recovery and valorization of tannins from a forest waste as an adsorbent for antimony uptake. <i>Journal of Cleaner Production</i> , 2018, 198, 1324-1335.	4.6	26
56	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.	4.6	25
57	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.	3.8	68
58	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.	2.7	10
59	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.	6.6	76
60	Mineral oil recovery from cork granules by a mechanical compression method: Compression cycles analysis. <i>Journal of Cleaner Production</i> , 2017, 147, 442-450.	4.6	2
61	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.	6.6	22
62	Arsenic removal from water using iron-coated seaweeds. <i>Journal of Environmental Management</i> , 2017, 192, 224-233.	3.8	80
63	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.	2.0	59
64	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.	3.9	21
65	Biosorption of antimony oxyanions by brown seaweeds: Batch and column studies. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3463-3471.	3.3	35
66	Combination of chemical coagulation, photo-Fenton oxidation and biodegradation for the treatment of vinasse from sugar cane ethanol distillery. <i>Journal of Cleaner Production</i> , 2017, 142, 3634-3644.	4.6	50
67	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.	3.9	60
68	Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 217-261.	10.8	1,579
69	Green macroalgae from the Romanian coast of Black Sea: Physico-chemical characterization and future perspectives on their use as metal anions biosorbents. <i>Chemical Engineering Research and Design</i> , 2017, 108, 34-43.	2.7	23
70	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.	10.8	187
71	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6372-6381.	2.7	40
72	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.	3.9	69

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73	Intensification of heterogeneous TiO ₂ photocatalysis using an innovative micro-meso-structured-photoreactor for n-decane oxidation at gas phase. Chemical Engineering Journal, 2017, 310, 331-341.	6.6	56
74	Treatment and Energy Valorisation of an Agro-Industrial Effluent in Upflow Anaerobic Sludge Reactor (UASB). IOP Conference Series: Earth and Environmental Science, 2017, 95, 042045.	0.2	0
75	Anaerobic Digestion Performance in the Energy Recovery of Kiwi Residues. IOP Conference Series: Earth and Environmental Science, 2017, 95, 042044.	0.2	0
76	Nitrogen Removal from Landfill Leachate by Microalgae. International Journal of Molecular Sciences, 2016, 17, 1926.	1.8	42
77	Oil and grease removal from wastewaters: Sorption treatment as an alternative to state-of-the-art technologies. A critical review. Chemical Engineering Journal, 2016, 297, 229-255.	6.6	239
78	Assessing the influence of oil and grease and salt content on fish canning wastewater biodegradation through respirometric tests. Journal of Cleaner Production, 2016, 127, 343-351.	4.6	30
79	Fish canning industry wastewater variability assessment using multivariate statistical methods. Chemical Engineering Research and Design, 2016, 102, 263-276.	2.7	17
80	Bentonitic clay as adsorbent for the decolourisation of dyehouse effluents. Journal of Cleaner Production, 2016, 126, 667-676.	4.6	35
81	Complexation of lead by organic matter in Luanda Bay, Angola. Environmental Monitoring and Assessment, 2016, 188, 563.	1.3	5
82	Antimony oxyanions uptake by green marine macroalgae. Journal of Environmental Chemical Engineering, 2016, 4, 3441-3450.	3.3	26
83	Tertiary treatment of a municipal wastewater toward pharmaceuticals removal by chemical and electrochemical advanced oxidation processes. Water Research, 2016, 105, 251-263.	5.3	115
84	Solar photocatalytic reduction of Cr(VI) over Fe(III) in the presence of organic sacrificial agents. Applied Catalysis B: Environmental, 2016, 192, 208-219.	10.8	74
85	Treatment of sugarcane vinasse by combination of coagulation/flocculation and Fenton's oxidation. Journal of Environmental Management, 2016, 181, 237-248.	3.8	46
86	Brown macro-algae as natural cation exchangers for the treatment of zinc containing wastewaters generated in the galvanizing process. Journal of Cleaner Production, 2016, 119, 38-49.	4.6	46
87	Adsorption of cationic and anionic azo dyes on sepiolite clay: Equilibrium and kinetic studies in batch mode. Journal of Environmental Chemical Engineering, 2016, 4, 1473-1483.	3.3	106
88	Design of a fixed-bed ion-exchange process for the treatment of rinse waters generated in the galvanization process using Laminaria hyperborea as natural cation exchanger. Water Research, 2016, 90, 354-368.	5.3	33
89	Assessment of AOPs as a polishing step in the decolourisation of bio-treated textile wastewater: Technical and economic considerations. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 317, 26-38.	2.0	28
90	Removal of metal ions from a petrochemical wastewater using brown macro-algae as natural cation-exchangers. Chemical Engineering Journal, 2016, 286, 1-15.	6.6	98

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91	Coupling of acrylic dyeing wastewater treatment by heterogeneous Fenton oxidation in a continuous stirred tank reactor with biological degradation in a sequential batch reactor. <i>Journal of Environmental Management</i> , 2016, 166, 193-203.	3.8	67
92	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.	6.6	35
93	Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 161-171.	10.8	66
94	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.	6.6	27
95	Scale-up and cost analysis of a photo-Fenton system for sanitary landfill leachate treatment. <i>Chemical Engineering Journal</i> , 2016, 283, 76-88.	6.6	76
96	Modeling of the hydrodynamics and energy expenditure of oxidation ditch aerated with hydrojets using CFD codes. <i>Water Quality Research Journal of Canada</i> , 2015, 50, 83.	1.2	12
97	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.	6.6	26
98	Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. <i>Water Research</i> , 2015, 81, 375-387.	5.3	103
99	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.	6.6	31
100	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.	6.6	77
101	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, 120-131.	3.8	78
102	Arsenic and antimony in water and wastewater: Overview of removal techniques with special reference to latest advances in adsorption. <i>Journal of Environmental Management</i> , 2015, 151, 326-342.	3.8	480
103	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.	6.6	80
104	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.	6.6	27
105	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.	1.2	31
106	Treatment of a simulated textile wastewater in a sequencing batch reactor (SBR) with addition of a low-cost adsorbent. <i>Journal of Hazardous Materials</i> , 2015, 291, 74-82.	6.5	82
107	Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. <i>Water Research</i> , 2015, 75, 95-108.	5.3	68
108	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.	1.6	6

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109	Evaluation of a solar/UV annular pilot scale reactor for 24h continuous photocatalytic oxidation of n-decane. Chemical Engineering Journal, 2015, 280, 409-416.	6.6	30
110	Performance evaluation of the main units of a refinery wastewater treatment plant “A case study. Journal of Environmental Chemical Engineering, 2015, 3, 2095-2103.	3.3	16
111	Enhancement of a solar photo-Fenton reaction by using ferrioxalate complexes for the treatment of a synthetic cotton-textile dyeing wastewater. Chemical Engineering Journal, 2015, 277, 86-96.	6.6	103
112	Fish canning wastewater treatment by activated sludge: Application of factorial design optimization. Water Resources and Industry, 2015, 10, 29-38.	1.9	21
113	Selenium contaminated waters: An overview of analytical methods, treatment options and recent advances in sorption methods. Science of the Total Environment, 2015, 521-522, 246-260.	3.9	241
114	Oil desorption and recovery from cork sorbents. Journal of Environmental Chemical Engineering, 2015, 3, 2917-2923.	3.3	7
115	Insights into solar photo-Fenton reaction parameters in the oxidation of a sanitary landfill leachate at lab-scale. Journal of Environmental Management, 2015, 164, 32-40.	3.8	37
116	Photocatalytic oxidation of gaseous perchloroethylene over TiO ₂ based paint. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 311, 41-52.	2.0	33
117	Synthesis and characterization of N-modified titania nanotubes for photocatalytic applications. Environmental Science and Pollution Research, 2015, 22, 810-819.	2.7	12
118	N-modified TiO ₂ photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. Applied Catalysis B: Environmental, 2015, 162, 66-74.	10.8	57
119	Fish canning industry wastewater treatment for water reuse “a case study. Journal of Cleaner Production, 2015, 87, 603-612.	4.6	81
120	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. Applied Catalysis B: Environmental, 2015, 165, 306-315.	10.8	50
121	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. Chemical Engineering Journal, 2015, 260, 694-705.	6.6	10
122	Degradation of trimethoprim antibiotic by UVA photoelectro-Fenton process mediated by Fe(III) “carboxylate complexes. Applied Catalysis B: Environmental, 2015, 162, 34-44.	10.8	79
123	Performance evaluation of different solar advanced oxidation processes applied to the treatment of a real textile dyeing wastewater. Environmental Science and Pollution Research, 2015, 22, 833-845.	2.7	39
124	Solar photocatalytic gas-phase degradation of n-decane “a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO ₂ films. Environmental Science and Pollution Research, 2015, 22, 820-832.	2.7	11
125	BIOSORPTION OF ANTIMONY BY BROWN ALGAE <i>S. muticum</i> AND <i>A. nodosum</i> . Environmental Engineering and Management Journal, 2015, 14, 455-463.	0.2	37
126	Technical and economic feasibility of polyester dyeing wastewater treatment by coagulation/flocculation and Fenton’s oxidation. Environmental Technology (United Kingdom), 2014, 35, 1307-1319.	1.2	24

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127	Assessment of solar driven TiO ₂ -assisted photocatalysis efficiency on amoxicillin degradation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1292-1303.	2.7	28
128	Insights into real cotton-textile dyeing wastewater treatment using solar advanced oxidation processes. <i>Environmental Science and Pollution Research</i> , 2014, 21, 932-945.	2.7	91
129	Decontamination of an Industrial Cotton Dyeing Wastewater by Chemical and Biological Processes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2412-2421.	1.8	45
130	Optimization of River Water Quality Surveys by Multivariate Analysis of Physicochemical, Bacteriological and Ecotoxicological Data. <i>Water Resources Management</i> , 2014, 28, 1345-1361.	1.9	25
131	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.	6.6	100
132	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.	3.9	61
133	Synthetic textile dyeing wastewater treatment by integration of advanced oxidation and biological processes – Performance analysis with costs reduction. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1027-1039.	3.3	79
134	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.	6.6	54
135	Watershed model parameter estimation and uncertainty in data-limited environments. <i>Environmental Modelling and Software</i> , 2014, 51, 84-93.	1.9	48
136	Multiple linear and principal component regressions for modelling ecotoxicity bioassay response. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 945-955.	1.2	6
137	Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. <i>Water Research</i> , 2014, 65, 307-320.	5.3	38
138	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.	6.6	75
139	Optimization of a primary gravity separation treatment for vegetable oil refinery wastewaters. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1725-1734.	2.1	22
140	Primary treatment optimization of a fish canning wastewater from a Portuguese plant. <i>Water Resources and Industry</i> , 2014, 6, 51-63.	1.9	28
141	Are TiO ₂ -based exterior paints useful catalysts for gas-phase photooxidation processes? A case study on n-decane abatement for air detoxification. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 988-999.	10.8	47
142	Marine macroalgae <i>Pelvetia canaliculata</i> (Linnaeus) as natural cation exchanger for metal ions separation: A case study on copper and zinc ions removal. <i>Chemical Engineering Journal</i> , 2014, 247, 320-329.	6.6	44
143	Assessment of a multistage system based on electrocoagulation, solar photo-Fenton and biological oxidation processes for real textile wastewater treatment. <i>Chemical Engineering Journal</i> , 2014, 252, 120-130.	6.6	82
144	Chemical oxidation of fish canning wastewater by Fenton's reagent. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2372-2376.	3.3	18

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145	Process enhancement at near neutral pH of a homogeneous photo-Fenton reaction using ferriccarboxylate complexes: Application to oxytetracycline degradation. Chemical Engineering Journal, 2014, 253, 217-228.	6.6	81
146	Degradation of the antibiotic trimethoprim by electrochemical advanced oxidation processes using a carbon-PTFE air-diffusion cathode and a boron-doped diamond or platinum anode. Applied Catalysis B: Environmental, 2014, 160-161, 492-505.	10.8	169
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