VÃ-tor J P Vilar

List of Publications by Year
in descending order

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235	11,152	28190	42291
papers	citations	55 h-index	92 g-index

239	239	239	10836
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A tubular ceramic membrane coated with TiO2-P25 for radial addition of H2O2 towards AMX removal from synthetic solutions and secondary urban wastewater. Environmental Science and Pollution Research, 2022, 29, 42120-42129.	2.7	4
2	Ultrafiltration ceramic membrane as oxidant-catalyst/water contactor to promote sulfate radical AOPs: a case study on 17Î²-estradiol and 17Î±-ethinylestradiol removal. Environmental Science and Pollution Research, 2022, 29, 42157-42167.	2.7	3
3	A Novel ceramic tubular membrane coated with a continuous graphene-TiO2 nanocomposite thin-film for CECs mitigation. Chemical Engineering Journal, 2022, 430, 132639.	6.6	16
4	Functionalized mesoporous silicas SBA-15 for heterogeneous photocatalysis towards CECs removal from secondary urban wastewater. Chemosphere, 2022, 287, 132023.	4.2	19
5	Radiation field modeling of the NETmix milli-photocatalytic reactor: Effect of LEDs position over the reactor window. Chemical Engineering Journal, 2022, 429, 131670.	6.6	10
6	Solar-driven heterogeneous photocatalysis using a static mixer as TiO2-P25 support: Impact of reflector optics and material. Chemical Engineering Journal, 2022, 435, 134831.	6.6	7
7	Tubular photobioreactors illuminated with LEDs to boost microalgal biomass production. Chemical Engineering Journal, 2022, 435, 134747.	6.6	6
8	Multistage treatment for olive mill wastewater: Assessing legal compliance and operational costs. Journal of Environmental Chemical Engineering, 2022, 10, 107442.	3.3	9
9	Industrial steel waste recovery pathway: Production of innovative supported catalyst and its application on hexavalent chromium reduction studies. Chemosphere, 2022, 298, 134216.	4.2	4
10	Occurrence, impact, and elimination of contaminants of emerging concern (CECs) in soil, water, and air streams: advances and challenges in Ibero-American countries. Environmental Science and Pollution Research, 2022, , .	2.7	0
11	Landfill leachate biological treatment: perspective for the aerobic granular sludge technology. Environmental Science and Pollution Research, 2022, 29, 45150-45170.	2.7	11
12	CFD and radiation field modeling of the NETmix milli-photocatalytic reactor for n-decane oxidation at gas phase: Effect of LEDs number and arrangement. Chemical Engineering Journal, 2022, 444, 136577.	6.6	8
13	Corkâ€based permeable reactive barriers coupled to electrokinetic processes for interrupting pollutants reaching groundwater: a case study of leadâ€contaminated soil. Journal of Chemical Technology and Biotechnology, 2022, 97, 2861-2870.	1.6	4
14	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. Environmental Science and Pollution Research, 2021, 28, 23568-23581.	2.7	5
15	Assessing the potential of microalgae for nutrients removal from a landfill leachate using an innovative tubular photobioreactor. Chemical Engineering Journal, 2021, 413, 127546.	6.6	31
16	A step forward on NETmix reactor for heterogeneous photocatalysis: Kinetic modeling of As(III) oxidation. Chemical Engineering Journal, 2021, 405, 126612.	6.6	10
17	Peroxidation and photo-peroxidation of pantoprazole in aqueous solution using silver molybdate as catalyst. Chemosphere, 2021, 262, 127671.	4.2	14
18	Bromate removal from water intended for human consumption by heterogeneous photocatalysis: Effect of major dissolved water constituents. Chemosphere, 2021, 263, 128111.	4.2	12

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19	Large area continuous multilayer graphene membrane for water desalination. Chemical Engineering Journal, 2021, 413, 127510.	6.6	20
20	A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. Chemosphere, 2021, 263, 128049.	4.2	17
21	Cork granules as electron donor in integrated reduction/oxidation and sorption processes for hexavalent chromium removal from synthetic aqueous solution. Journal of Environmental Chemical Engineering, 2021, 9, 105001.	3.3	6
22	Tube-in-tube membrane photoreactor as a new technology to boost sulfate radical advanced oxidation processes. Water Research, 2021, 191, 116815.	5.3	26
23	Turning Carbon Dioxide and Ethane into Ethanol by Solar-Driven Heterogeneous Photocatalysis over RuO2- and NiO-co-Doped SrTiO3. Catalysts, 2021, 11, 461.	1.6	18
24	Advanced oxidation/reduction technologies: a perspective from Iberoamerican countries. Environmental Science and Pollution Research, 2021, 28, 23565-23567.	2.7	1
25	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. Journal of Environmental Chemical Engineering, 2021, 9, 105060.	3.3	9
26	How volumetric exchange ratio and carbon availability contribute to enhance granular sludge stability in a fill/draw mode SBR treating domestic wastewater?. Journal of Water Process Engineering, 2021, 40, 101917.	2.6	8
27	Finding a suitable treatment solution for a leachate from a non-hazardous industrial solid waste landfill. Journal of Environmental Chemical Engineering, 2021, 9, 105168.	3.3	8
28	The role of ozone combined with UVC/H2O2 process for the tertiary treatment of a real slaughterhouse wastewater. Journal of Environmental Management, 2021, 289, 112480.	3.8	10
29	ZnO Polymeric Composite Films for n-Decane Removal from Air Streams in a Continuous Flow NETmix Photoreactor under UVA Light. Nanomaterials, 2021, 11, 1983.	1.9	1
30	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. Journal of Environmental Chemical Engineering, 2021, 9, 105554.	3.3	14
31	How does the pre-treatment of landfill leachate impact the performance of O3 and O3/UVC processes?. Chemosphere, 2021, 278, 130389.	4.2	12
32	Experimental and Techno-Economic Study on the Use of Microalgae for Paper Industry Effluents Remediation. Sustainability, 2021, 13, 1314.	1.6	15
33	Applicability of Cork as Novel Modifiers to Develop Electrochemical Sensor for Caffeine Determination. Materials, 2021, 14, 37.	1.3	16
34	Tube-in-tube membrane microreactor for photochemical UVC/H2O2 processes: A proof of concept. Chemical Engineering Journal, 2020, 379, 122341.	6.6	21
35	Enhancing methane yield from crude glycerol anaerobic digestion by coupling with ultrasound or A. niger/E. coli biodegradation. Environmental Science and Pollution Research, 2020, 27, 1461-1474.	2.7	15
36	Strategies for the intensification of photocatalytic oxidation processes towards air streams decontamination: A review. Chemical Engineering Journal, 2020, 391, 123531.	6.6	37

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37	Use of cork granules as an effective sustainable material to clean-up spills of crude oil and derivatives. Environmental Science and Pollution Research, 2020, 27, 366-378.	2.7	5
38	Radiation modelling in the NETmix photocatalytic reactor: The concept of efficiencies in series. Journal of Environmental Chemical Engineering, 2020, 8, 104464.	3.3	5
39	Integration of Fenton's reaction based processes and cation exchange processes in textile wastewater treatment as a strategy for water reuse. Journal of Environmental Management, 2020, 272, 111082.	3.8	33
40	Turning cork by-products into smart and green materials for solid-phase extraction - gas chromatography tandem mass spectrometry analysis of fungicides in water. Journal of Chromatography A, 2020, 1628, 461437.	1.8	14
41	Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. Journal of Cleaner Production, 2020, 270, 121858.	4.6	27
42	Outdoor Cultivation of the Microalga Chlorella vulgaris in a New Photobioreactor Configuration: The Effect of Ultraviolet and Visible Radiation. Energies, 2020, 13, 1962.	1.6	6
43	Development of a treatment train for the remediation of a hazardous industrial waste landfill leachate: A big challenge. Science of the Total Environment, 2020, 741, 140165.	3.9	14
44	Microalgal Growth in Paper Industry Effluent: Coupling Biomass Production with Nutrients Removal. Applied Sciences (Switzerland), 2020, 10, 3009.	1.3	11
45	Innovative light-driven chemical/catalytic reactors towards contaminants of emerging concern mitigation: A review. Chemical Engineering Journal, 2020, 394, 124865.	6.6	36
46	Ozone-driven processes for mature urban landfill leachate treatment: Organic matter degradation, biodegradability enhancement and treatment costs for different reactors configuration. Science of the Total Environment, 2020, 724, 138083.	3.9	44
47	A step forward on mathematical modeling of barium removal from aqueous solutions using seaweeds as natural cation exchangers: Batch and fixed-bed systems. Chemical Engineering Journal, 2020, 401, 126019.	6.6	9
48	Heterogeneous photocatalytic degradation of pharmaceuticals in synthetic and real matrices using a tube-in-tube membrane reactor with radial addition of H2O2. Science of the Total Environment, 2020, 743, 140629.	3.9	21
49	The Effect of Light Wavelength on CO2 Capture, Biomass Production and Nutrient Uptake by Green Microalgae: A Step Forward on Process Integration and Optimisation. Energies, 2020, 13, 333.	1.6	28
50	Tube-in-tube membrane reactor for heterogeneous TiO2 photocatalysis with radial addition of H2O2. Chemical Engineering Journal, 2020, 395, 124998.	6.6	33
51	Advanced oxidation processes: recent achievements and perspectives. Environmental Science and Pollution Research, 2020, 27, 22141-22143.	2.7	8
52	Photocatalytic NOx abatement: Mathematical modeling, CFD validation and reactor analysis. Journal of Hazardous Materials, 2019, 372, 145-153.	6.5	21
53	Photocatalytic membrane reactor performance towards oxytetracycline removal from synthetic and real matrices: Suspended vs immobilized TiO2-P25. Chemical Engineering Journal, 2019, 378, 122114.	6.6	69
54	Ozonation and ozone-enhanced photocatalysis for VOC removal from air streams: Process optimization, synergy and mechanism assessment. Science of the Total Environment, 2019, 687, 1357-1368.	3.9	62

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55	Removal of bromate from drinking water using a heterogeneous photocatalytic mili-reactor: impact of the reactor material and water matrix. Environmental Science and Pollution Research, 2019, 26, 33281-33293.	2.7	5
56	Overcoming limitations in photochemical UVC/H2O2 systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. Science of the Total Environment, 2019, 660, 982-992.	3.9	16
57	Future Trends in Photocatalysis for Environmental Applications. Journal of Hazardous Materials, 2019, 372, 1-2.	6.5	6
58	Intensification of heterogeneous TiO2 photocatalysis using the NETmix mili-photoreactor under microscale illumination for oxytetracycline oxidation. Science of the Total Environment, 2019, 681, 467-474.	3.9	37
59	Treatment train for mature landfill leachates: Optimization studies. Science of the Total Environment, 2019, 673, 470-479.	3.9	37
60	Photodegradation behaviour of multiclass ultraviolet filters in the aquatic environment: Removal strategies and photoproduct identification by liquid chromatographyâ€“high resolution mass spectrometry. Journal of Chromatography A, 2019, 1596, 8-19.	1.8	21
61	Novel cork-graphite electrochemical sensor for voltammetric determination of caffeine. Journal of Electroanalytical Chemistry, 2019, 839, 283-289.	1.9	31
62	Intensifying heterogeneous TiO2 photocatalysis for bromate reduction using the NETmix photoreactor. Science of the Total Environment, 2019, 664, 805-816.	3.9	24
63	An innovative photoreactor, FluHelik, to promote UVC/H2O2 photochemical reactions: Tertiary treatment of an urban wastewater. Science of the Total Environment, 2019, 667, 197-207.	3.9	25
64	Selecting the best piping arrangement for scaling-up an annular channel reactor: An experimental and computational fluid dynamics study. Science of the Total Environment, 2019, 667, 821-832.	3.9	25
65	Development of an integrated treatment strategy for a leather tannery landfill leachate. Waste Management, 2019, 89, 114-128.	3.7	26
66	Advances in bromate reduction by heterogeneous photocatalysis: The use of a static mixer as photocatalyst support. Applied Catalysis B: Environmental, 2019, 249, 322-332.	10.8	18
67	Inhibition effect of zinc, cadmium, and nickel ions in microalgal growth and nutrient uptake from water: An experimental approach. Chemical Engineering Journal, 2019, 366, 358-367.	6.6	40
68	Effect of catalyst coated surface, illumination mechanism and light source in heterogeneous TiO2 photocatalysis using a mili-photoreactor for n-decane oxidation at gas phase. Chemical Engineering Journal, 2019, 366, 560-568.	6.6	26
69	Solar chemistry and photocatalysis: environmental applications. Environmental Science and Pollution Research, 2019, 26, 36077-36079.	2.7	3
70	Performance of hybrid systems coupling advanced oxidation processes and ultrafiltration for oxytetracycline removal. Catalysis Today, 2019, 328, 274-280.	2.2	31
71	Multistage treatment technology for leachate from mature urban landfill: Full scale operation performance and challenges. Chemical Engineering Journal, 2019, 376, 120573.	6.6	24
72	As(III) and Cr(VI) oxyanion removal from water by advanced oxidation/reduction processesâ€”a review. Environmental Science and Pollution Research, 2019, 26, 2203-2227.	2.7	87

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73	Sulphur compounds removal from an industrial landfill leachate by catalytic oxidation and chemical precipitation: From a hazardous effluent to a value-added product. Science of the Total Environment, 2019, 655, 1249-1260.	3.9	27
74	Industrial steel waste as an iron source to promote heterogeneous and homogeneous oxidation/reduction reactions. Journal of Cleaner Production, 2019, 211, 804-817.	4.6	24
75	Advanced oxidation technologies: state-of-the-art in Ibero-American countries. Environmental Science and Pollution Research, 2019, 26, 4153-4154.	2.7	2
76	A step forward in heterogeneous photocatalysis: Process intensification by using a static mixer as catalyst support. Chemical Engineering Journal, 2018, 343, 597-606.	6.6	57
77	Strategies to reduce mass and photons transfer limitations in heterogeneous photocatalytic processes: Hexavalent chromium reduction studies. Journal of Environmental Management, 2018, 217, 555-564.	3.8	29
78	A facile method to prepare translucent anatase thin films in monolithic structures for gas stream purification. Environmental Science and Pollution Research, 2018, 25, 27796-27807.	2.7	5
79	Mineralization of humic acids (HAs) by a solar photo-Fenton reaction mediated by ferrioxalate complexes: commercial HAs vs extracted from leachates. Environmental Science and Pollution Research, 2018, 25, 27783-27795.	2.7	6
80	Assessment of advanced oxidation processes for the degradation of three UV filters from swimming pool water. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 351, 95-107.	2.0	18
81	Application of ecofriendly cation exchangers (Gracilaria caudata and Gracilaria cervicornis) for metal ions separation and recovery from a synthetic petrochemical wastewater: Batch and fixed bed studies. Journal of Cleaner Production, 2018, 172, 1928-1945.	4.6	40
82	Integrating water quality responses to best management practices in Portugal. Environmental Science and Pollution Research, 2018, 25, 1587-1596.	2.7	14
83	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. Journal of Cleaner Production, 2018, 198, 430-442.	4.6	57
84	Insights on sulfamethoxazole bio-transformation by environmental Proteobacteria isolates. Journal of Hazardous Materials, 2018, 358, 310-318.	6.5	52
85	New challenges in the application of advanced oxidation processes. Environmental Science and Pollution Research, 2018, 25, 27673-27675.	2.7	1
86	Application of a micro-meso-structured reactor (NETmix) to promote photochemical UVC/H2O2 processes â€“ oxidation of As(iii) to As(v). Photochemical and Photobiological Sciences, 2018, 17, 1179-1188.	1.6	5
87	Cost-effective solar collector to promote photo-Fenton reactions: A case study on the treatment of urban mature leachate. Journal of Cleaner Production, 2018, 199, 369-382.	4.6	25
88	Fluorene oxidation by solar-driven photo-Fenton process: toward mild pH conditions. Environmental Science and Pollution Research, 2018, 25, 27808-27818.	2.7	5
89	Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. Journal of Environmental Management, 2018, 223, 215-253.	3.8	68
90	Photo-Fenton oxidation of 3-amino-5-methylisoxazole: a by-product from biological breakdown of some pharmaceutical compounds. Environmental Science and Pollution Research, 2017, 24, 6195-6204.	2.7	10

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91	Intensification of heterogeneous TiO2 photocatalysis using an innovative microâ€“meso-structured-reactor for Cr(VI) reduction under simulated solar light. Chemical Engineering Journal, 2017, 318, 76-88.	6.6	76
92	Mineral oil recovery from cork granules by a mechanical compression method: Compression cycles analysis. Journal of Cleaner Production, 2017, 147, 442-450.	4.6	2
93	Cation exchange prediction model for copper binding onto raw brown marine macro-algae Ascophyllum nodosum: Batch and fixed-bed studies. Chemical Engineering Journal, 2017, 316, 255-276.	6.6	22
94	AOPs: recent advances to overcome barriers in the treatment of water, wastewater and air. Environmental Science and Pollution Research, 2017, 24, 5987-5990.	2.7	15
95	Ferrioxalate complexes as strategy to drive a photo-FENTON reaction at mild pH conditions: A case study on levofloxacin oxidation. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 345, 109-123.	2.0	59
96	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. Separation and Purification Technology, 2017, 175, 274-286.	3.9	21
97	Photodegradation of multiclass fungicides in the aquatic environment and determination by liquid chromatography-tandem mass spectrometry. Environmental Science and Pollution Research, 2017, 24, 19181-19193.	2.7	17
98	Cow bones char as a green sorbent for fluorides removal from aqueous solutions: batch and fixed-bed studies. Environmental Science and Pollution Research, 2017, 24, 2364-2380.	2.7	43
99	An innovative multistage treatment system for sanitary landfill leachate depuration: Studies at pilot-scale. Science of the Total Environment, 2017, 576, 99-117.	3.9	60
100	Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. Applied Catalysis B: Environmental, 2017, 202, 217-261.	10.8	1,579
101	Photocatalytic reduction of Cr(VI) over TiO2-coated cellulose acetate monolithic structures using solar light. Applied Catalysis B: Environmental, 2017, 203, 18-30.	10.8	187
102	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. Environmental Science and Pollution Research, 2017, 24, 6372-6381.	2.7	40
103	Remediation of a synthetic textile wastewater from polyester-cotton dyeing combining biological and photochemical oxidation processes. Separation and Purification Technology, 2017, 172, 450-462.	3.9	69
104	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
105	Nitrogen Removal from Landfill Leachate by Microalgae. International Journal of Molecular Sciences, 2016, 17, 1926.	1.8	42
106	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
107	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
108	Photochemical UVC/H₂O₂ oxidation system as an effective method for the decolourisation of bio-treated textile wastewaters: towards onsite water reuse. RSC Advances, 2016, 6, 90631-90645.	1.7	11

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109	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
110	Multidrug-resistant Enterobacteriaceae from indoor air of an urban wastewater treatment plant. Environmental Monitoring and Assessment, 2016, 188, 388.	1.3	24
111	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
112	Removal of hexavalent chromium from electroplating wastewaters using marine macroalga Pelvetia canaliculata as natural electron donor. Chemical Engineering Journal, 2016, 290, 477-489.	6.6	61
113	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
114	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
115	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
116	New insights on the removal of mineral oil from oil-in-water emulsions using cork by-products: Effect of salt and surfactants content. Chemical Engineering Journal, 2016, 285, 709-717.	6.6	35
117	Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. Applied Catalysis B: Environmental, 2016, 182, 161-171.	10.8	66
118	Marine macro-alga Sargassum cymosum as electron donor for hexavalent chromium reduction to trivalent state in aqueous solutions. Chemical Engineering Journal, 2016, 283, 903-910.	6.6	27
119	Scale-up and cost analysis of a photo-Fenton system for sanitary landfill leachate treatment. Chemical Engineering Journal, 2016, 283, 76-88.	6.6	76
120	Ion-exchange breakthrough curves for single and multi-metal systems using marine macroalgae Pelvetia canaliculata as a natural cation exchanger. Chemical Engineering Journal, 2015, 269, 359-370.	6.6	26
121	Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. Water Research, 2015, 81, 375-387.	5.3	103
122	Oxidation of microcystin-LR and cylindrospermopsin by heterogeneous photocatalysis using a tubular photoreactor packed with different TiO2 coated supports. Chemical Engineering Journal, 2015, 266, 100-111.	6.6	31
123	Effect of TiO2 photocatalysis on the destruction of Microcystis aeruginosa cells and degradation of cyanotoxins microcystin-LR and cylindrospermopsin. Chemical Engineering Journal, 2015, 268, 144-152.	6.6	77
124	Enhancement of a solar photo-Fenton reaction with ferric-organic ligands for the treatment of acrylic-textile dyeing wastewater. Journal of Environmental Management, 2015, 152, 120-131.	3.8	78
125	Insights into solar photo-Fenton process using iron(III)â€“organic ligand complexes applied to real textile wastewater treatment. Chemical Engineering Journal, 2015, 266, 203-212.	6.6	80
126	Treatment of vegetable oil refinery wastewater by sorption of oil and grease onto regranulated cork â€“ A study in batch and continuous mode. Chemical Engineering Journal, 2015, 268, 92-101.	6.6	27

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127	Biodegradability and toxicity assessment of a real textile wastewater effluent treated by an optimized electrocoagulation process. Environmental Technology (United Kingdom), 2015, 36, 496-506.	1.2	31
128	Advanced oxidation technologies: advances and challenges in Iberoamerican countries. Environmental Science and Pollution Research, 2015, 22, 759-761.	2.7	5
129	Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. Water Research, 2015, 75, 95-108.	5.3	68
130	The role of emulsion properties and stability in vegetable oil uptake by regranulated cork sorbents. Journal of Chemical Technology and Biotechnology, 2015, 90, 1601-1610.	1.6	6
131	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
132	Performance evaluation of the main units of a refinery wastewater treatment plant â€“ A case study. Journal of Environmental Chemical Engineering, 2015, 3, 2095-2103.	3.3	16
133	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
134	Oil desorption and recovery from cork sorbents. Journal of Environmental Chemical Engineering, 2015, 3, 2917-2923.	3.3	7
135	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
136	Photocatalytic oxidation of gaseous perchloroethylene over TiO 2 based paint. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 311, 41-52.	2.0	33
137	Synthesis and characterization of N-modified titania nanotubes for photocatalytic applications. Environmental Science and Pollution Research, 2015, 22, 810-819.	2.7	12
138	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
139	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
140	Ion exchange prediction model for multi-metal systems obtained from single-metal systems using the macroalga Pelvetia canaliculata (Phaeophyceae) as a natural cation exchanger. Chemical Engineering Journal, 2015, 260, 694-705.	6.6	10
141	Degradation of trimethoprim antibiotic by UVA photoelectro-Fenton process mediated by Fe(III)â€“carboxylate complexes. Applied Catalysis B: Environmental, 2015, 162, 34-44.	10.8	79
142	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
143	Solar photocatalytic gas-phase degradation of n-decaneâ€”a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO2 films. Environmental Science and Pollution Research, 2015, 22, 820-832.	2.7	11
144	Assessment of solar driven TiO2-assisted photocatalysis efficiency on amoxicillin degradation. Environmental Science and Pollution Research, 2014, 21, 1292-1303.	2.7	28

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145	Insights into real cotton-textile dyeing wastewater treatment using solar advanced oxidation processes. Environmental Science and Pollution Research, 2014, 21, 932-945.	2.7	91
146	Insights into nanofiltration of textile wastewaters for water reuse. Clean Technologies and Environmental Policy, 2014, 16, 591-600.	2.1	24
147	Benzene, toluene and o-xylene (BTX) removal from aqueous solutions through adsorptive processes. Adsorption, 2014, 20, 577.	1.4	20
148	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. Chemical Engineering Journal, 2014, 247, 302-313.	6.6	100
149	Integrated hydrological and water quality model for river management: A case study on Lena River. Science of the Total Environment, 2014, 485-486, 474-489.	3.9	61
150	Marine macroalgae Pelvetia canaliculata (Phaeophyceae) as a natural cation exchanger for cadmium and lead ions separation in aqueous solutions. Chemical Engineering Journal, 2014, 242, 294-305.	6.6	54
151	Watershed model parameter estimation and uncertainty in data-limited environments. Environmental Modelling and Software, 2014, 51, 84-93.	1.9	48
152	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO2/CNT composites. Applied Catalysis B: Environmental, 2014, 147, 65-81.	10.8	80
153	Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. Water Research, 2014, 65, 307-320.	5.3	38
154	Intensification of a solar photo-Fenton reaction at near neutral pH with ferrioxalate complexes: A case study on diclofenac removal from aqueous solutions. Chemical Engineering Journal, 2014, 256, 448-457.	6.6	75
155	Optimization of a primary gravity separation treatment for vegetable oil refinery wastewaters. Clean Technologies and Environmental Policy, 2014, 16, 1725-1734.	2.1	22
156	Are TiO2-based exterior paints useful catalysts for gas-phase photooxidation processes? A case study on n-decane abatement for air detoxification. Applied Catalysis B: Environmental, 2014, 147, 988-999.	10.8	47
157	Marine macroalgae Pelvetia canaliculata (Linnaeus) as natural cation exchanger for metal ions separation: A case study on copper and zinc ions removal. Chemical Engineering Journal, 2014, 247, 320-329.	6.6	44
158	Assessment of a multistage system based on electrocoagulation, solar photo-Fenton and biological oxidation processes for real textile wastewater treatment. Chemical Engineering Journal, 2014, 252, 120-130.	6.6	82
159	Process enhancement at near neutral pH of a homogeneous photo-Fenton reaction using ferricarboxylate complexes: Application to oxytetracycline degradation. Chemical Engineering Journal, 2014, 253, 217-228.	6.6	81
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