

Adriã;n Mt Silva

List of Publications by Year in descending order

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230
papers

14,786
citations

15466

65
h-index

24179

110
g-index

238
all docs

238
docs citations

238
times ranked

15142
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective photocatalytic synthesis of benzaldehyde in microcapillaries with immobilized carbon nitride. <i>Chemical Engineering Journal</i> , 2022, 430, 132643.	6.6	13
2	Advanced oxidation technologies and constructed wetlands in aquaculture farms: What do we know so far about micropollutant removal?. <i>Environmental Research</i> , 2022, 204, 111955.	3.7	24
3	Persulfate activation by reduced graphene oxide membranes: Practical and mechanistic insights concerning organic pollutants abatement. <i>Chemical Engineering Journal</i> , 2022, 427, 130994.	6.6	26
4	A systematic literature review on the conversion of plastic wastes into valuable 2D graphene-based materials. <i>Chemical Engineering Journal</i> , 2022, 428, 131399.	6.6	64
5	In situ growth and crystallization of TiO ₂ on polymeric membranes for the photocatalytic degradation of diclofenac and 17 β -ethinylestradiol. <i>Chemical Engineering Journal</i> , 2022, 427, 131476.	6.6	32
6	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. <i>Science of the Total Environment</i> , 2022, 808, 152050.	3.9	10
7	Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater through natural competition. <i>Water Research</i> , 2022, 209, 117932.	5.3	17
8	Intensification strategies for improving the performance of photocatalytic processes: A review. <i>Journal of Cleaner Production</i> , 2022, 340, 130800.	4.6	37
9	Synthesis of low-density polyethylene derived carbon nanotubes for activation of persulfate and degradation of water organic micropollutants in continuous mode. <i>Journal of Environmental Management</i> , 2022, 308, 114622.	3.8	18
10	Hollow carbon spheres for diclofenac and venlafaxine adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107348.	3.3	9
11	Single-atom Ir and Ru anchored on graphitic carbon nitride for efficient and stable electrocatalytic/photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121318.	10.8	72
12	Antibiotics removal from aquaculture effluents by ozonation: chemical and toxicity descriptors. <i>Water Research</i> , 2022, 218, 118497.	5.3	22
13	Spirulina-based carbon bio-sorbent for the efficient removal of metoprolol, diclofenac and other micropollutants from wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100720.	1.7	2
14	Performance and modeling of Ni(II) adsorption from low concentrated wastewater on carbon microspheres prepared from tangerine peels by FeCl ₃ -assisted hydrothermal carbonization. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108143.	3.3	12
15	Integration of catalytic wet peroxidation and membrane distillation processes for olive mill wastewater treatment and water recovery. <i>Chemical Engineering Journal</i> , 2022, 448, 137586.	6.6	4
16	A life cycle assessment of solar-based treatments (H ₂ O ₂ , TiO ₂ photocatalysis, circumneutral) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147761, 143258.	3.9	38
17	Hydrochars from compost derived from municipal solid waste: Production process optimization and catalytic applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104888.	3.3	18
18	Graphene-based catalytic membranes for water treatment – A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104930.	3.3	20

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19	Mild temperature-gas separation performance of graphene oxide membranes for extended period: micropore to meso- and macropore readjustments and the fate of membranes under the influence of dynamic graphene oxide changes. <i>Chemical Engineering Journal Advances</i> , 2021, 5, 100066.	2.4	3
20	Interactions of pharmaceutical compounds in water matrices under visible-driven photocatalysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104747.	3.3	6
21	Advances on Graphyne Family Members for Superior Photocatalytic Behavior. <i>Advanced Science</i> , 2021, 8, 2003900.	5.6	22
22	UV-A activation of peroxymonosulfate for the removal of micropollutants from secondary treated wastewater. <i>Science of the Total Environment</i> , 2021, 770, 145299.	3.9	40
23	Carbon xerogels combined with nanotubes as solid-phase extraction sorbent to determine metaflumizone and seven other surface and drinking water micropollutants. <i>Scientific Reports</i> , 2021, 11, 13817.	1.6	2
24	An Improved LC-MS/MS Method for the Analysis of Thirteen Cytostatics on Workplace Surfaces. <i>Pharmaceuticals</i> , 2021, 14, 754.	1.7	4
25	Ozone-based water treatment (O ₃ , O ₃ /UV, O ₃ /H ₂ O ₂) for removal of organic micropollutants, bacteria inactivation and regrowth prevention. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105315.	3.3	59
26	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. <i>Water Research</i> , 2021, 201, 117374.	5.3	17
27	Degradation and mineralization of oxalic acid using catalytic wet oxidation over carbon coated ceramic monoliths. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105369.	3.3	9
28	Ozonation of cytostatic drugs in aqueous phase. <i>Science of the Total Environment</i> , 2021, 795, 148855.	3.9	11
29	Aging assessment of microplastics (LDPE, PET and uPVC) under urban environment stressors. <i>Science of the Total Environment</i> , 2021, 796, 148914.	3.9	93
30	Graphitic carbon nitride photocatalysis: the hydroperoxyl radical role revealed by kinetic modelling. <i>Catalysis Science and Technology</i> , 2021, 11, 7712-7726.	2.1	10
31	Carbon-Based Materials for Oxidative Desulfurization and Denitrogenation of Fuels: A Review. <i>Catalysts</i> , 2021, 11, 1239.	1.6	19
32	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. <i>Catalysis Today</i> , 2020, 357, 350-360.	2.2	50
33	Carbon nanotubes as catalysts for wet peroxide oxidation: The effect of surface chemistry. <i>Catalysis Today</i> , 2020, 357, 332-340.	2.2	18
34	Investigating the role of reduced graphene oxide as a universal additive in planar perovskite solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112141.	2.0	47
35	The pH effect on the kinetics of 4-nitrophenol removal by CWPO with doped carbon black catalysts. <i>Catalysis Today</i> , 2020, 356, 216-225.	2.2	20
36	Janus amphiphilic carbon nanotubes as Pickering interfacial catalysts for the treatment of oily wastewater by selective oxidation with hydrogen peroxide. <i>Catalysis Today</i> , 2020, 356, 205-215.	2.2	27

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37	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , 2020, 718, 134968.	3.9	70
38	A microfluidic reactor application for the continuous-flow photocatalytic selective synthesis of aromatic aldehydes. <i>Applied Catalysis A: General</i> , 2020, 608, 117844.	2.2	10
39	Environmental Applications of Photocatalytic Processes. <i>Catalysts</i> , 2020, 10, 1264.	1.6	0
40	Screening of Activated Carbons for the Treatment of Highly Concentrated Phenol Solutions Using Catalytic Wet Peroxide Oxidation: The Effect of Iron Impurities on the Catalytic Activity. <i>Catalysts</i> , 2020, 10, 1318.	1.6	5
41	A Pilot Study Combining Ultrafiltration with Ozonation for the Treatment of Secondary Urban Wastewater: Organic Micropollutants, Microbial Load and Biological Effects. <i>Water (Switzerland)</i> , 2020, 12, 3458.	1.2	10
42	Catalysts Prepared with Matured Compost Derived from Mechanical-Biological Treatment Plants for the Wet Peroxide Oxidation of Pollutants with Different Lipophilicity. <i>Catalysts</i> , 2020, 10, 1243.	1.6	7
43	Liquid-liquid extraction as a simple tool to quickly quantify fourteen cytostatics in urban wastewaters and assess their impact in aquatic biota. <i>Science of the Total Environment</i> , 2020, 740, 139995.	3.9	36
44	Advanced oxidation technologies combined with direct contact membrane distillation for treatment of secondary municipal wastewater. <i>Chemical Engineering Research and Design</i> , 2020, 140, 111-123.	2.7	25
45	Nitrogen-doped reduced graphene oxide " PVDF nanocomposite membrane for persulfate activation and degradation of water organic micropollutants. <i>Chemical Engineering Journal</i> , 2020, 402, 126117.	6.6	59
46	Photo-Fenton degradation assisted by in situ generation of hydrogen peroxide using a carbon nitride photocatalyst. <i>Journal of Water Process Engineering</i> , 2020, 37, 101467.	2.6	21
47	Intensification of the ozone-water mass transfer in an oscillatory flow reactor with innovative design of periodic constrictions: Optimization and application in ozonation water treatment. <i>Chemical Engineering Journal</i> , 2020, 389, 124412.	6.6	40
48	Degradation of methylparaben by sonocatalysis using a Co-Fe magnetic carbon xerogel. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105045.	3.8	29
49	Hummers's and Brodie's graphene oxides as photocatalysts for phenol degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 243-255.	5.0	49
50	Environmental impact assessment of advanced urban wastewater treatment technologies for the removal of priority substances and contaminants of emerging concern: A review. <i>Journal of Cleaner Production</i> , 2020, 261, 121078.	4.6	84
51	Adsorption of Sudan-IV contained in oily wastewater on lipophilic activated carbons: kinetic and isotherm modelling. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20770-20785.	2.7	23
52	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. <i>Marine Pollution Bulletin</i> , 2020, 154, 111120.	2.3	33
53	Solid-phase extraction cartridges with multi-walled carbon nanotubes and effect of the oxygen functionalities on the recovery efficiency of organic micropollutants. <i>Scientific Reports</i> , 2020, 10, 22304.	1.6	9
54	Magnetic Carbon Nanostructures and Study of Their Transport in Microfluidic Devices for Hyperthermia. <i>IFMBE Proceedings</i> , 2020, , 1901-1918.	0.2	0

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55	Analytical Methods in Biodiesel Production. Energy, Environment, and Sustainability, 2020, , 197-219.	0.6	3
56	Pillared interlayered natural clays as heterogeneous photocatalysts for H ₂ O ₂ -assisted treatment of a winery wastewater. Separation and Purification Technology, 2019, 228, 115768.	3.9	31
57	Visible-light-induced self-cleaning functional fabrics using graphene oxide/carbon nitride materials. Applied Surface Science, 2019, 497, 143757.	3.1	27
58	Removal of microorganisms and antibiotic resistance genes from treated urban wastewater: A comparison between aluminium sulphate and tannin coagulants. Water Research, 2019, 166, 115056.	5.3	50
59	Quenchers in advanced oxidation technologies for analysis of micropollutants by liquid chromatography coupled to mass spectrometry: Sodium sulphite or catalase?. Science of the Total Environment, 2019, 692, 995-1004.	3.9	3
60	Impact of water matrix on the removal of micropollutants by advanced oxidation technologies. Chemical Engineering Journal, 2019, 363, 155-173.	6.6	365
61	Heterogeneous photocatalysis using UVA-LEDs for the removal of antibiotics and antibiotic resistant bacteria from urban wastewater treatment plant effluents. Chemical Engineering Journal, 2019, 367, 304-313.	6.6	135
62	Metal-free g-C ₃ N ₄ photocatalysis of organic micropollutants in urban wastewater under visible light. Applied Catalysis B: Environmental, 2019, 248, 184-192.	10.8	124
63	Removal of Organic Micropollutants from a Municipal Wastewater Secondary Effluent by UVA-LED Photocatalytic Ozonation. Catalysts, 2019, 9, 472.	1.6	22
64	Screening of heterogeneous catalysts for the activated persulfate oxidation of sulfamethoxazole in aqueous matrices. Does the matrix affect the selection of catalyst?. Journal of Chemical Technology and Biotechnology, 2019, 94, 2425-2432.	1.6	17
65	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant Escherichia coli and antibiotic resistance genes and phytotoxicity. Water Research, 2019, 159, 333-347.	5.3	222
66	Metal-free carbon nitride photocatalysis with in situ hydrogen peroxide generation for the degradation of aromatic compounds. Applied Catalysis B: Environmental, 2019, 252, 128-137.	10.8	85
67	Dual enantioselective LC-MS/MS method to analyse chiral drugs in surface water: Monitoring in Douro River estuary. Journal of Pharmaceutical and Biomedical Analysis, 2019, 170, 89-101.	1.4	37
68	Immobilised Cerium-Doped Zinc Oxide as a Photocatalyst for the Degradation of Antibiotics and the Inactivation of Antibiotic-Resistant Bacteria. Catalysts, 2019, 9, 222.	1.6	28
69	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. Chemical Engineering Journal, 2019, 369, 223-232.	6.6	104
70	Recent Strategies for Hydrogen Peroxide Production by Metal-Free Carbon Nitride Photocatalysts. Catalysts, 2019, 9, 990.	1.6	50
71	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. Science of the Total Environment, 2019, 649, 1083-1095.	3.9	120
72	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. Science of the Total Environment, 2019, 655, 986-1008.	3.9	515

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73	Magnetically recoverable Fe ₃ O ₄ /g-C ₃ N ₄ composite for photocatalytic production of benzaldehyde under UV-LED radiation. <i>Catalysis Today</i> , 2019, 328, 293-299.	2.2	43
74	Enhanced performance of cobalt ferrite encapsulated in graphitic shell by means of AC magnetically activated catalytic wet peroxide oxidation of 4-nitrophenol. <i>Chemical Engineering Journal</i> , 2019, 376, 120012.	6.6	17
75	Solar treatment (H ₂ O ₂ , TiO ₂ -P25 and GO-TiO ₂ photocatalysis, photo-Fenton) of organic micropollutants, human pathogen indicators, antibiotic resistant bacteria and related genes in urban wastewater. <i>Water Research</i> , 2018, 135, 195-206.	5.3	197
76	Exploring the activity of chemical-activated carbons synthesized from peach stones as metal-free catalysts for wet peroxide oxidation. <i>Catalysis Today</i> , 2018, 313, 20-25.	2.2	12
77	N/S-doped graphene derivatives and TiO ₂ for catalytic ozonation and photocatalysis of water pollutants. <i>Chemical Engineering Journal</i> , 2018, 348, 888-897.	6.6	84
78	Removal of Sudan IV from a simulated biphasic oily wastewater by using lipophilic carbon adsorbents. <i>Chemical Engineering Journal</i> , 2018, 347, 963-971.	6.6	23
79	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
80	TiO ₂ -based (Fe ₃ O ₄ , SiO ₂ , reduced graphene oxide) magnetically recoverable photocatalysts for imazalil degradation in a synthetic wastewater. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27724-27736.	2.7	15
81	Desalination and removal of organic micropollutants and microorganisms by membrane distillation. <i>Desalination</i> , 2018, 437, 121-132.	4.0	42
82	A review on environmental monitoring of water organic pollutants identified by EU guidelines. <i>Journal of Hazardous Materials</i> , 2018, 344, 146-162.	6.5	589
83	Heterogeneous photocatalytic degradation of ibuprofen in ultrapure water, municipal and pharmaceutical industry wastewaters using a TiO ₂ /UV-LED system. <i>Chemical Engineering Journal</i> , 2018, 334, 976-984.	6.6	239
84	Degradation of propyl paraben by activated persulfate using iron-containing magnetic carbon xerogels: investigation of water matrix and process synergy effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34801-34810.	2.7	31
85	Mined pyrite and chalcopyrite as catalysts for spontaneous acidic pH adjustment in Fenton and LED photo-Fenton like processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1137-1146.	1.6	28
86	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. <i>Journal of Carbon Research</i> , 2018, 4, 55.	1.4	4
87	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , 2018, 93, 206-217.	3.8	56
88	Graphene photocatalysts. , 2018, , 79-101.		7
89	Photocatalytic activity of functionalized nanodiamond-TiO ₂ composites towards water pollutants degradation under UV/Vis irradiation. <i>Applied Surface Science</i> , 2018, 458, 839-848.	3.1	38
90	Selective Production of Benzaldehyde Using Metal-Free Reduced Graphene Oxide/Carbon Nitride Hybrid Photocatalysts. <i>ChemistrySelect</i> , 2018, 3, 8070-8081.	0.7	14

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91	Constructed wetland microcosms for the removal of organic micropollutants from freshwater aquaculture effluents. <i>Science of the Total Environment</i> , 2018, 644, 1171-1180.	3.9	73
92	New challenges in the application of advanced oxidation processes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27673-27675.	2.7	1
93	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. <i>Science of the Total Environment</i> , 2018, 644, 1128-1140.	3.9	53
94	Metal-Free Catalytic Wet Oxidation: From Powder to Structured Catalyst Using N-Doped Carbon Nanotubes. <i>Topics in Catalysis</i> , 2018, 61, 1957-1966.	1.3	7
95	Bare TiO ₂ and graphene oxide TiO ₂ photocatalysts on the degradation of selected pesticides and influence of the water matrix. <i>Applied Surface Science</i> , 2017, 416, 1013-1021.	3.1	161
96	Hybrid magnetic graphitic nanocomposites for catalytic wet peroxide oxidation applications. <i>Catalysis Today</i> , 2017, 280, 184-191.	2.2	21
97	Homogeneous and heterogeneous photo-Fenton degradation of antibiotics using an innovative static mixer photoreactor. <i>Chemical Engineering Journal</i> , 2017, 310, 342-351.	6.6	94
98	Ag-loaded ZnO materials for photocatalytic water treatment. <i>Chemical Engineering Journal</i> , 2017, 318, 95-102.	6.6	105
99	Ozonation and UV254nm radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. <i>Journal of Hazardous Materials</i> , 2017, 323, 434-441.	6.5	179
100	A review on the application of constructed wetlands for the removal of priority substances and contaminants of emerging concern listed in recently launched EU legislation. <i>Environmental Pollution</i> , 2017, 227, 428-443.	3.7	184
101	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. <i>Journal of Environmental Management</i> , 2017, 200, 511-529.	3.8	75
102	Graphitic carbon nitride modified by thermal, chemical and mechanical processes as metal-free photocatalyst for the selective synthesis of benzaldehyde from benzyl alcohol. <i>Journal of Catalysis</i> , 2017, 353, 44-53.	3.1	109
103	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. <i>Water Research</i> , 2017, 124, 97-107.	5.3	102
104	Lignin-based activated carbons as metal-free catalysts for the oxidative degradation of 4-nitrophenol in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 372-378.	10.8	52
105	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 645-657.	10.8	26
106	The role of cobalt in bimetallic iron-cobalt magnetic carbon xerogels developed for catalytic wet peroxide oxidation. <i>Catalysis Today</i> , 2017, 296, 66-75.	2.2	23
107	Selective photocatalytic oxidation of benzyl alcohol to benzaldehyde by using metal-loaded g-C ₃ N ₄ photocatalysts. <i>Catalysis Today</i> , 2017, 287, 70-77.	2.2	72
108	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

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109	Comparison of self-standing and supported graphene oxide membranes prepared by simple filtration: Gas and vapor separation, pore structure and stability. <i>Journal of Membrane Science</i> , 2017, 522, 303-315.	4.1	27
110	Role of Nitrogen Doping on the Performance of Carbon Nanotube Catalysts: A Catalytic Wet Peroxide Oxidation Application. <i>ChemCatChem</i> , 2016, 8, 2068-2078.	1.8	34
111	Magnetic carbon xerogels for the catalytic wet peroxide oxidation of sulfamethoxazole in environmentally relevant water matrices. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 170-186.	10.8	69
112	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. <i>Journal of Membrane Science</i> , 2016, 520, 326-336.	4.1	72
113	Eco-friendly LC-MS/MS method for analysis of multi-class micropollutants in tap, fountain, and well water from northern Portugal. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8355-8367.	1.9	36
114	Reduced graphene oxide catalysts for efficient regeneration of cobalt-based redox electrolytes in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 219, 258-266.	2.6	15
115	Proteobacteria become predominant during regrowth after water disinfection. <i>Science of the Total Environment</i> , 2016, 573, 313-323.	3.9	77
116	Photocatalytic Reduction of CO ₂ with Water into Methanol and Ethanol Using Graphene Derivative-TiO ₂ Composites: Effect of pH and Copper(I) Oxide. <i>Topics in Catalysis</i> , 2016, 59, 1279-1291.	1.3	42
117	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	46
118	Catalytic wet oxidation of organic compounds over N-doped carbon nanotubes in batch and continuous operation. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 361-371.	10.8	27
119	Kinetic modelling for the photocatalytic degradation of phenol by using TiO ₂ -coated glass raschig rings under simulated solar light. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 346-352.	1.6	13
120	Catalytic wet peroxide oxidation: a route towards the application of hybrid magnetic carbon nanocomposites for the degradation of organic pollutants. A review. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 428-460.	10.8	143
121	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO ₂ with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , 2016, 94, 10-22.	5.3	185
122	Analysis of 17 β -estradiol and 17 α -ethinylestradiol in biological and environmental matrices – A review. <i>Microchemical Journal</i> , 2016, 126, 243-262.	2.3	112
123	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. <i>Water Research</i> , 2016, 94, 257-279.	5.3	698
124	UV and solar photo-degradation of naproxen: TiO ₂ catalyst effect, reaction kinetics, products identification and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2016, 304, 329-336.	6.5	88
125	An innovative static mixer photoreactor: Proof of concept. <i>Chemical Engineering Journal</i> , 2016, 287, 419-424.	6.6	14
126	The use of nanodiamonds in the seeding of CVD diamond and in heterogeneous catalysis. , 2015, , .		1

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127	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. <i>Journal of Colloid and Interface Science</i> , 2015, 454, 52-60.	5.0	174
128	In Focus Section CHEMPOR 2014. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1545-1546.	1.6	0
129	Nitrogen-doped graphene-based materials for advanced oxidation processes. <i>Catalysis Today</i> , 2015, 249, 192-198.	2.2	62
130	Carbon-based TiO ₂ materials for the degradation of Microcystin-LA. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 74-82.	10.8	66
131	Activated carbon xerogel-chitosan composite materials for catalytic wet peroxide oxidation under intensified process conditions. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1243-1251.	3.3	24
132	Evaluation of a solar/UV annular pilot scale reactor for 24h continuous photocatalytic oxidation of n-decane. <i>Chemical Engineering Journal</i> , 2015, 280, 409-416.	6.6	30
133	Nanodiamond-TiO ₂ composites for photocatalytic degradation of microcystin-LA in aqueous solutions under simulated solar light. <i>RSC Advances</i> , 2015, 5, 58363-58370.	1.7	39
134	A facile approach for the development of fine-tuned self-standing graphene oxide membranes and their gas and vapor separation performance. <i>Journal of Membrane Science</i> , 2015, 493, 734-747.	4.1	30
135	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. <i>Catalysis Today</i> , 2015, 249, 204-212.	2.2	59
136	Evaluation of sol-gel TiO ₂ photocatalysts modified with carbon or boron compounds and crystallized in nitrogen or air atmospheres. <i>Chemical Engineering Journal</i> , 2015, 277, 11-20.	6.6	26
137	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. <i>Water Research</i> , 2015, 77, 179-190.	5.3	108
138	Synergistic effect between carbon nanomaterials and ZnO for photocatalytic water decontamination. <i>Journal of Catalysis</i> , 2015, 331, 172-180.	3.1	91
139	Environmental friendly method for urban wastewater monitoring of micropollutants defined in the Directive 2013/39/EU and Decision 2015/495/EU. <i>Journal of Chromatography A</i> , 2015, 1418, 140-149.	1.8	52
140	Targeting key metabolic points for an enhanced phytoremediation of wastewaters pre-treated by the photo-Fenton process using <i>Solanum nigrum</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 124-129.	2.9	6
141	Photocatalytic oxidation of gaseous perchloroethylene over TiO ₂ based paint. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 311, 41-52.	2.0	33
142	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. <i>Water Research</i> , 2015, 87, 87-96.	5.3	153
143	Carbon nanotubes as catalysts for catalytic wet peroxide oxidation of highly concentrated phenol solutions: towards process intensification. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 706-714.	10.8	64
144	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. <i>Desalination</i> , 2015, 357, 233-245.	4.0	158

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145	Development of glycerol-based metal-free carbon materials for environmental catalytic applications. <i>Catalysis Today</i> , 2015, 240, 61-66.	2.2	32
146	Photocatalytic degradation of estradiol under simulated solar light and assessment of estrogenic activity. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 437-444.	10.8	62
147	Synthesis and characterization of N-modified titania nanotubes for photocatalytic applications. <i>Environmental Science and Pollution Research</i> , 2015, 22, 810-819.	2.7	12
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