

# Adrin Mt Silva

## List of Publications by Citations

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225  
papers

10,883  
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58  
h-index

95  
g-index

238  
ext. papers

12,769  
ext. citations

10  
avg. IF

6.81  
L-index

#	Paper	IF	Citations
225	An overview on the advanced oxidation processes applied for the treatment of water pollutants defined in the recently launched Directive 2013/39/EU. <i>Environment International</i> , <b>2015</b> , 75, 33-51	12.9	597
224	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. <i>Water Research</i> , <b>2016</b> , 94, 257-279	12.5	522
223	A review on environmental monitoring of water organic pollutants identified by EU guidelines. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 146-162	12.8	403
222	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 986-1008	10.2	319
221	Design of graphene-based TiO <sub>2</sub> photocatalysts--a review. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 3676-87	5.1	240
220	Advanced nanostructured photocatalysts based on reduced graphene oxide/TiO <sub>2</sub> composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 123-124, 241-256	21.8	234
219	Impact of water matrix on the removal of micropollutants by advanced oxidation technologies. <i>Chemical Engineering Journal</i> , <b>2019</b> , 363, 155-173	14.7	222
218	Heterogeneous photocatalytic degradation of ibuprofen in ultrapure water, municipal and pharmaceutical industry wastewaters using a TiO <sub>2</sub> /UV-LED system. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 976-984	14.7	176
217	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO <sub>2</sub> with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , <b>2016</b> , 94, 10-22	12.5	150
216	Solar treatment (HO, TiO-P25 and GO-TiO photocatalysis, photo-Fenton) of organic micropollutants, human pathogen indicators, antibiotic resistant bacteria and related genes in urban wastewater. <i>Water Research</i> , <b>2018</b> , 135, 195-206	12.5	145
215	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 454, 52-60	9.3	142
214	Ozonation and UV radiation for the removal of microorganisms and antibiotic resistance genes from urban wastewater. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 434-441	12.8	139
213	Azo-dye orange II degradation by the heterogeneous Fenton-like process using a zeolite Y-Fe catalyst Kinetics with a model based on the Fermi's equation. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 146, 192-200	21.8	139
212	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> , <b>2017</b> , 227, 428-443	9.3	138
211	Ce-doped TiO <sub>2</sub> for photocatalytic degradation of chlorophenol. <i>Catalysis Today</i> , <b>2009</b> , 144, 13-18	5.3	129
210	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant <i>Escherichia coli</i> and antibiotic resistance genes and phytotoxicity. <i>Water Research</i> , <b>2019</b> , 159, 333-347	12.5	125
209	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. <i>Water Research</i> , <b>2015</b> , 87, 87-96	12.5	124

208	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Surface Science</i> , <b>2013</b> , 275, 361-368	6.7	124
207	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. <i>Desalination</i> , <b>2015</b> , 357, 233-245	10.3	122
206	Bare TiO <sub>2</sub> and graphene oxide TiO <sub>2</sub> photocatalysts on the degradation of selected pesticides and influence of the water matrix. <i>Applied Surface Science</i> , <b>2017</b> , 416, 1013-1021	6.7	121
205	Catalytic properties of carbon materials for wet oxidation of aniline. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 159, 420-6	12.8	114
204	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> , <b>2016</b> , 187, 428-460	21.8	113
203	Ceramic photocatalytic membranes for water filtration under UV and visible light. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 178, 12-19	21.8	108
202	Activated carbons treated with sulphuric acid: Catalysts for catalytic wet peroxide oxidation. <i>Catalysis Today</i> , <b>2010</b> , 151, 153-158	5.3	108
201	Catalysts based in cerium oxide for wet oxidation of acrylic acid in the prevention of environmental risks. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 47, 269-279	21.8	102
200	Role of oxygen functionalities on the synthesis of photocatalytically active graphene/TiO <sub>2</sub> composites. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 329-340	21.8	99
199	Effect of key operating parameters on phenols degradation during H <sub>2</sub> O <sub>2</sub> -assisted TiO <sub>2</sub> photocatalytic treatment of simulated and actual olive mill wastewaters. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 73, 11-22	21.8	99
198	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. <i>Water Research</i> , <b>2015</b> , 77, 179-190	12.5	88
197	Heterogeneous photocatalysis using UVA-LEDs for the removal of antibiotics and antibiotic resistant bacteria from urban wastewater treatment plant effluents. <i>Chemical Engineering Journal</i> , <b>2019</b> , 367, 304-313	14.7	86
196	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. <i>Carbon</i> , <b>2013</b> , 62, 97-108	10.4	85
195	Analysis of 17- $\beta$ -Estradiol and 17- $\beta$ -Ethinylestradiol in biological and environmental matrices [A review]. <i>Microchemical Journal</i> , <b>2016</b> , 126, 243-262	4.8	84
194	Prototype composite membranes of partially reduced graphene oxide/TiO <sub>2</sub> for photocatalytic ultrafiltration water treatment under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 361-372	21.8	84
193	Ag-loaded ZnO materials for photocatalytic water treatment. <i>Chemical Engineering Journal</i> , <b>2017</b> , 318, 95-102	14.7	83
192	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> , <b>2017</b> , 124, 97-107	12.5	83
191	Metal-free g-C <sub>3</sub> N <sub>4</sub> photocatalysis of organic micropollutants in urban wastewater under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 184-192	21.8	80

190	Synergistic effect between carbon nanomaterials and ZnO for photocatalytic water decontamination. <i>Journal of Catalysis</i> , <b>2015</b> , 331, 172-180	7.3	80
189	Controlled surface functionalization of multiwall carbon nanotubes by HNO <sub>3</sub> hydrothermal oxidation. <i>Carbon</i> , <b>2014</b> , 69, 311-326	10.4	78
188	Degradation of diphenhydramine by photo-Fenton using magnetically recoverable iron oxide nanoparticles as catalyst. <i>Chemical Engineering Journal</i> , <b>2015</b> , 261, 45-52	14.7	77
187	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. <i>Catalysis Today</i> , <b>2013</b> , 209, 108-115	5.3	77
186	Carbon nanotube/TiO <sub>2</sub> thin films for photocatalytic applications. <i>Catalysis Today</i> , <b>2011</b> , 161, 91-96	5.3	76
185	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 1083-1095	10.2	76
184	TiO <sub>2</sub> , surface modified TiO <sub>2</sub> and graphene oxide-TiO <sub>2</sub> photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 17-23	14.7	75
183	Homogeneous and heterogeneous photo-Fenton degradation of antibiotics using an innovative static mixer photoreactor. <i>Chemical Engineering Journal</i> , <b>2017</b> , 310, 342-351	14.7	74
182	Controlling the surface chemistry of carbon xerogels using HNO <sub>3</sub> -hydrothermal oxidation. <i>Carbon</i> , <b>2009</b> , 47, 1670-1679	10.4	74
181	Activated carbon xerogels for the removal of the anionic azo dyes Orange II and Chromotrope 2R by adsorption and catalytic wet peroxide oxidation. <i>Chemical Engineering Journal</i> , <b>2012</b> , 195-196, 112-121	14.7	73
180	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO <sub>2</sub> /CNT composites. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 65-81	21.8	72
179	Catalytic activity and stability of multiwalled carbon nanotubes in catalytic wet air oxidation of oxalic acid: The role of the basic nature induced by the surface chemistry. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 330-336	21.8	71
178	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 178, 82-90	21.8	70
177	Photocatalytic behaviour of nanocarbon/TiO <sub>2</sub> composites and immobilization into hollow fibres. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 142-143, 101-111	21.8	67
176	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> , <b>2017</b> , 353, 44-53	7.3	65
175	UV and solar photo-degradation of naproxen: TiO <sub>2</sub> catalyst effect, reaction kinetics, products identification and toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 304, 329-36	12.8	64
174	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 223-232	14.7	64
173	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. <i>Catalysis Today</i> , <b>2010</b> , 154, 21-30	5.3	62

172	Carbon-based TiO <sub>2</sub> materials for the degradation of Microcystin-LA. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 170-171, 74-82	21.8	60
171	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 106, 390-397	21.8	60
170	Controlled generation of oxygen functionalities on the surface of Single-Walled Carbon Nanotubes by HNO <sub>3</sub> hydrothermal oxidation. <i>Carbon</i> , <b>2010</b> , 48, 1515-1523	10.4	60
169	N/S-doped graphene derivatives and TiO <sub>2</sub> for catalytic ozonation and photocatalysis of water pollutants. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 888-897	14.7	59
168	Degradation of Acid Orange 7 using a saponite-based catalyst in wet hydrogen peroxide oxidation: Kinetic study with the Fermi's equation. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 101, 197-205	21.8	58
167	Selective photocatalytic oxidation of benzyl alcohol to benzaldehyde by using metal-loaded g-C <sub>3</sub> N <sub>4</sub> photocatalysts. <i>Catalysis Today</i> , <b>2017</b> , 287, 70-77	5.3	57
166	Nitrogen-doped graphene-based materials for advanced oxidation processes. <i>Catalysis Today</i> , <b>2015</b> , 249, 192-198	5.3	57
165	Photocatalytic Degradation of Microcystin-LR and Off-Odor Compounds in Water under UV-A and Solar Light with a Nanostructured Photocatalyst Based on Reduced Graphene Oxide/TiO <sub>2</sub> Composite. Identification of Intermediate Products.. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 13991-14000	3.9	57
164	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 326-336	9.6	57
163	Proteobacteria become predominant during regrowth after water disinfection. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 313-323	10.2	56
162	Degradation of diphenhydramine pharmaceutical in aqueous solutions by using two highly active TiO <sub>2</sub> photocatalysts: Operating parameters and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 113-114, 221-227	21.8	55
161	N-modified TiO <sub>2</sub> photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 162, 66-74	21.8	54
160	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. <i>Journal of Catalysis</i> , <b>2014</b> , 316, 182-190	7.3	54
159	Photocatalytic activity of TiO <sub>2</sub> -coated glass raschig rings on the degradation of phenolic derivatives under simulated solar light irradiation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 32-38	14.7	53
158	Sonophotocatalytic/H <sub>2</sub> O <sub>2</sub> degradation of phenolic compounds in agro-industrial effluents. <i>Catalysis Today</i> , <b>2007</b> , 124, 232-239	5.3	53
157	Magnetic carbon xerogels for the catalytic wet peroxide oxidation of sulfamethoxazole in environmentally relevant water matrices. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 170-186	21.8	53
156	Carbon nanotubes as catalysts for catalytic wet peroxide oxidation of highly concentrated phenol solutions: towards process intensification. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 706-714	21.8	50
155	Controlling and Quantifying Oxygen Functionalities on Hydrothermally and Thermally Treated Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 8534-8546	3.8	50

154	Metal-free carbon nitride photocatalysis with in situ hydrogen peroxide generation for the degradation of aromatic compounds. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 252, 128-137	21.8	48
153	Photocatalytic degradation of estradiol under simulated solar light and assessment of estrogenic activity. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 162, 437-444	21.8	48
152	Catalytic studies in wet oxidation of effluents from formaldehyde industry. <i>Chemical Engineering Science</i> , <b>2003</b> , 58, 963-970	4.4	48
151	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. <i>Catalysis Today</i> , <b>2015</b> , 249, 204-212	5.3	47
150	The role of O- and S-containing surface groups on carbon nanotubes for the elimination of organic pollutants by catalytic wet air oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 314-321	21.8	47
149	Wet air oxidation of nitro-aromatic compounds: Reactivity on single- and multi-component systems and surface chemistry studies with a carbon xerogel. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 84, 75-86	21.8	47
148	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 206-217	8.3	46
147	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. <i>Journal of Environmental Management</i> , <b>2017</b> , 200, 511-529	7.9	45
146	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> , <b>2015</b> , 165, 306-315	21.8	45
145	Effect of chloride on the sinterization of Au/CeO <sub>2</sub> catalysts. <i>Catalysis Today</i> , <b>2010</b> , 154, 293-302	5.3	44
144	Screening of catalysts and effect of temperature for kinetic degradation studies of aromatic compounds during wet oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 73, 193-202	21.8	43
143	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> , <b>2020</b> , 261, 121078	10.3	42
142	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO <sub>3</sub> and H <sub>2</sub> SO <sub>4</sub> hydrothermal oxidation for application in direct contact membrane distillation. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12237-50	3.6	42
141	Catalytic performance of heteroatom-modified carbon nanotubes in advanced oxidation processes. <i>Chinese Journal of Catalysis</i> , <b>2014</b> , 35, 896-905	11.3	42
140	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> , <b>2015</b> , 1418, 140-149	4.5	40
139	Photocatalytic degradation of endocrine disruptor compounds under simulated solar light. <i>Water Research</i> , <b>2013</b> , 47, 3997-4005	12.5	40
138	Photochemical and photocatalytic degradation of trans-resveratrol. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 638-44	4.2	40
137	Tailoring the phase composition and morphology of Bi-doped goethite hematite nanostructures and their catalytic activity in the degradation of an actual pesticide using a photo-Fenton-like process. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 351-361	21.8	40

136	Constructed wetland microcosms for the removal of organic micropollutants from freshwater aquaculture effluents. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1171-1180	10.2	39
135	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> , <b>2018</b> , 644, 1128-1140	10.2	39
134	Are TiO <sub>2</sub> -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> , <b>2014</b> , 147, 988-999	21.8	39
133	Removal of 2-nitrophenol by catalytic wet peroxide oxidation using carbon materials with different morphological and chemical properties. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 356-362	21.8	39
132	Removal of microorganisms and antibiotic resistance genes from treated urban wastewater: A comparison between aluminium sulphate and tannin coagulants. <i>Water Research</i> , <b>2019</b> , 166, 115056	12.5	37
131	Lignin-based activated carbons as metal-free catalysts for the oxidative degradation of 4-nitrophenol in aqueous solution. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 372-378	21.8	37
130	Nanodiamond-TiO <sub>2</sub> composites for photocatalytic degradation of microcystin-LA in aqueous solutions under simulated solar light. <i>RSC Advances</i> , <b>2015</b> , 5, 58363-58370	3.7	36
129	Optimization of the degradation of imazalil by photocatalysis: Comparison between commercial and lab-made photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 391-400	21.8	36
128	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	35
127	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , <b>2012</b> , 425-426, 161-169	5.1	34
126	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 105, 86-94	21.8	33
125	Nanodiamond-TiO Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , <b>2013</b> , 78, 801-807	2.8	31
124	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , <b>2020</b> , 718, 134968	10.2	31
123	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. <i>Catalysis Today</i> , <b>2020</b> , 357, 350-360	5.3	31
122	Photocatalytic Reduction of CO <sub>2</sub> with Water into Methanol and Ethanol Using Graphene Derivative-TiO <sub>2</sub> Composites: Effect of pH and Copper(I) Oxide. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 1279-1291	2.3	30
121	Photocatalytic activity of functionalized nanodiamond-TiO <sub>2</sub> composites towards water pollutants degradation under UV/Vis irradiation. <i>Applied Surface Science</i> , <b>2018</b> , 458, 839-848	6.7	30
120	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 6372-6381	5.1	29
119	Magnetically recoverable Fe <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite for photocatalytic production of benzaldehyde under UV-LED radiation. <i>Catalysis Today</i> , <b>2019</b> , 328, 293-299	5.3	29

118	Development of glycerol-based metal-free carbon materials for environmental catalytic applications. <i>Catalysis Today</i> , <b>2015</b> , 240, 61-66	5.3	28
117	Perchloroethylene gas-phase degradation over titania-coated transparent monoliths. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 444-456	21.8	28
116	Insights into UV-TiO <sub>2</sub> photocatalytic degradation of PCE for air decontamination systems. <i>Chemical Engineering Journal</i> , <b>2012</b> , 204-206, 244-257	14.7	28
115	A lumped kinetic model based on the Fermi's equation applied to the catalytic wet hydrogen peroxide oxidation of Acid Orange 7. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 121-122, 10-19	21.8	28
114	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> , <b>2016</b> , 408, 8355-8367	4.4	28
113	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> , <b>2020</b> , 386, 112141	4.7	28
112	Photocatalytic oxidation of gaseous perchloroethylene over TiO <sub>2</sub> based paint. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 311, 41-52	4.7	27
111	Nitrogen-doped reduced graphene oxide (PVDF) nanocomposite membrane for persulfate activation and degradation of water organic micropollutants. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126117	14.7	27
110	Desalination and removal of organic micropollutants and microorganisms by membrane distillation. <i>Desalination</i> , <b>2018</b> , 437, 121-132	10.3	27
109	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 100, 310-317	21.8	27
108	Catalytic wet oxidation of organic compounds over N-doped carbon nanotubes in batch and continuous operation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 361-371	21.8	26
107	Advanced oxidation processes for treatment of effluents from a detergent industry. <i>Environmental Technology (United Kingdom)</i> , <b>2011</b> , 32, 1031-41	2.6	26
106	Role of Nitrogen Doping on the Performance of Carbon Nanotube Catalysts: A Catalytic Wet Peroxide Oxidation Application. <i>ChemCatChem</i> , <b>2016</b> , 8, 2068-2078	5.2	26
105	Hummers' and Brodie's graphene oxides as photocatalysts for phenol degradation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 243-255	9.3	25
104	Wet Air Oxidation of Aniline Using Carbon Foams and Fibers Enriched with Nitrogen. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 1546-1554	2.5	25
103	Adopting strategies to improve the efficiency of ozonation in the real-scale treatment of olive oil mill wastewaters. <i>Environmental Technology (United Kingdom)</i> , <b>2010</b> , 31, 1459-69	2.6	25
102	Catalytic and Noncatalytic Wet Oxidation of Formaldehyde. A Novel Kinetic Model. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 5099-5108	3.9	25
101	Recent Strategies for Hydrogen Peroxide Production by Metal-Free Carbon Nitride Photocatalysts. <i>Catalysts</i> , <b>2019</b> , 9, 990	4	25



100	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> , <b>2015</b> , 493, 734-747	9.6	24
99	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> , <b>2020</b> , 389, 124412	14.7	24
98	Continuous flow photo-Fenton treatment of ciprofloxacin in aqueous solutions using homogeneous and magnetically recoverable catalysts. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11116-25	5.1	24
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