

Joaquim L. Faria

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244
papers

11,072
citations

61
h-index

94
g-index

259
ext. papers

12,573
ext. citations

9.1
avg, IF

6.57
L-index

#	Paper	IF	Citations
244	Visible light photodegradation of phenol on MWNT-TiO ₂ composite catalysts prepared by a modified sol-gel method. <i>Journal of Molecular Catalysis A</i> , 2005 , 235, 194-199		409
243	Photocatalytic degradation of phenol on MWNT and titania composite catalysts prepared by a modified sol-gel method. <i>Applied Catalysis B: Environmental</i> , 2005 , 56, 305-312	21.8	275
242	Photochemical and photocatalytic degradation of an azo dye in aqueous solution by UV irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 155, 133-143	4.7	274
241	Design of graphene-based TiO ₂ photocatalysts--a review. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3676-87	5.1	240
240	Advanced nanostructured photocatalysts based on reduced graphene oxide/TiO ₂ composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Catalysis B: Environmental</i> , 2012 , 123-124, 241-256	21.8	234
239	Kinetics and mechanism of aqueous degradation of carbamazepine by heterogeneous photocatalysis using nanocrystalline TiO ₂ , ZnO and multi-walled carbon nanotubes/graphene composites. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 563-571	21.8	189
238	Properties of Carbon-Supported Platinum Catalysts: Role of Carbon Surface Sites. <i>Journal of Catalysis</i> , 2002 , 209, 355-364	7.3	184
237	Aqueous degradation of diclofenac by heterogeneous photocatalysis using nanostructured materials. <i>Applied Catalysis B: Environmental</i> , 2011 , 107, 110-118	21.8	180
236	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	14.7	176
235	A chemical vapour deposition process for the production of carbon nanospheres. <i>Carbon</i> , 2001 , 39, 621-624	6.24	173
234	MWCNT activation and its influence on the catalytic performance of Pt/MWCNT catalysts for selective hydrogenation. <i>Carbon</i> , 2008 , 46, 1194-1207	10.4	156
233	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	12.5	150
232	Solar treatment (HO 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	12.5	145
231	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. <i>Journal of Colloid and Interface Science</i> , 2015 , 454, 52-60	9.3	142
230	Photocatalytic degradation of Chromotrope 2R using nanocrystalline TiO ₂ /activated-carbon composite catalysts. <i>Applied Catalysis B: Environmental</i> , 2007 , 70, 470-478	21.8	136
229	Preparation and characterization of nanostructured MWCNT-TiO ₂ composite materials for photocatalytic water treatment applications. <i>Materials Research Bulletin</i> , 2008 , 43, 958-967	5.1	134
228	Ce-doped TiO ₂ for photocatalytic degradation of chlorophenol. <i>Catalysis Today</i> , 2009 , 144, 13-18	5.3	129

227	Photocatalytic and photochemical degradation of mono-, di- and tri-azo dyes in aqueous solution under UV irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 181, 314-324	4.7	127
226	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	12.5	124
225	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Surface Science</i> , 2013 , 275, 361-368	6.7	124
224	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	10.3	122
223	Photocatalytic oxidation of benzene derivatives in aqueous suspensions: Synergic effect induced by the introduction of carbon nanotubes in a TiO ₂ matrix. <i>Applied Catalysis B: Environmental</i> , 2010 , 101, 81-89	21.8	122
222	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	6.7	121
221	Catalytic properties of carbon materials for wet oxidation of aniline. <i>Journal of Hazardous Materials</i> , 2008 , 159, 420-6	12.8	114
220	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	21.8	113
219	Ceramic photocatalytic membranes for water filtration under UV and visible light. <i>Applied Catalysis B: Environmental</i> , 2015 , 178, 12-19	21.8	108
218	Activated carbons treated with sulphuric acid: Catalysts for catalytic wet peroxide oxidation. <i>Catalysis Today</i> , 2010 , 151, 153-158	5.3	108
217	Methane dry reforming on Ni loaded hydroxyapatite and fluoroapatite. <i>Applied Catalysis A: General</i> , 2007 , 317, 299-309	5.1	104
216	Role of oxygen functionalities on the synthesis of photocatalytically active graphene/TiO ₂ composites. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 329-340	21.8	99
215	Novel hybrids of graphitic carbon nitride sensitized with free-base meso-tetrakis(carboxyphenyl) porphyrins for efficient visible light photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 56-69	21.8	94
214	Carbon nanotube supported ruthenium catalysts for the treatment of high strength wastewater with aniline using wet air oxidation. <i>Carbon</i> , 2006 , 44, 2384-2391	10.4	91
213	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. <i>Water Research</i> , 2015 , 77, 179-190	12.5	88
212	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> , 2019 , 367, 304-313	14.7	86
211	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. <i>Carbon</i> , 2013 , 62, 97-108	10.4	85
210	Prototype composite membranes of partially reduced graphene oxide/TiO ₂ for photocatalytic ultrafiltration water treatment under visible light. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 361-372	21.8	84

209	Ag-loaded ZnO materials for photocatalytic water treatment. <i>Chemical Engineering Journal</i> , 2017 , 318, 95-102	14.7	83
208	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	12.5	83
207	Catalytic performance of Au/ZnO nanocatalysts for CO oxidation. <i>Journal of Catalysis</i> , 2010 , 273, 191-198	13.3	83
206	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. <i>Chemical Engineering Journal</i> , 2019 , 355, 974-985	14.7	82
205	Transition metal (Cu, Cr, and V) modified MCM-41 for the catalytic wet air oxidation of aniline. <i>Microporous and Mesoporous Materials</i> , 2005 , 86, 287-294	5.3	81
204	Metal-free g-C ₃ N ₄ photocatalysis of organic micropollutants in urban wastewater under visible light. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 184-192	21.8	80
203	Synergistic effect between carbon nanomaterials and ZnO for photocatalytic water decontamination. <i>Journal of Catalysis</i> , 2015 , 331, 172-180	7.3	80
202	Carbon nanotubes and xerogels as supports of well-dispersed Pt catalysts for environmental applications. <i>Applied Catalysis B: Environmental</i> , 2004 , 54, 175-182	21.8	80
201	Controlled surface functionalization of multiwall carbon nanotubes by HNO ₃ hydrothermal oxidation. <i>Carbon</i> , 2014 , 69, 311-326	10.4	78
200	Degradation of diphenhydramine by photo-Fenton using magnetically recoverable iron oxide nanoparticles as catalyst. <i>Chemical Engineering Journal</i> , 2015 , 261, 45-52	14.7	77
199	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. <i>Catalysis Today</i> , 2013 , 209, 108-115	5.3	77
198	Effect of key operational parameters on the photocatalytic oxidation of phenol by nanocrystalline sol-gel TiO ₂ under UV irradiation. <i>Journal of Molecular Catalysis A</i> , 2009 , 305, 147-154		77
197	Carbon nanotube/TiO ₂ thin films for photocatalytic applications. <i>Catalysis Today</i> , 2011 , 161, 91-96	5.3	76
196	TiO ₂ , surface modified TiO ₂ and graphene oxide-TiO ₂ photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. <i>Chemical Engineering Journal</i> , 2013 , 224, 17-23	14.7	75
195	Homogeneous and heterogeneous photo-Fenton degradation of antibiotics using an innovative static mixer photoreactor. <i>Chemical Engineering Journal</i> , 2017 , 310, 342-351	14.7	74
194	Controlling the surface chemistry of carbon xerogels using HNO ₃ -hydrothermal oxidation. <i>Carbon</i> , 2009 , 47, 1670-1679	10.4	74
193	Oxygen activation sites in gold and iron catalysts supported on carbon nitride and activated carbon. <i>Journal of Catalysis</i> , 2010 , 274, 207-214	7.3	74
192	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> , 2012 , 195-196, 112-121	14.7	73

191	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO ₂ /CNT composites. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 65-81	21.8	72
190	Photocatalytic nitrate reduction over Pd/Cu/TiO ₂ . <i>Chemical Engineering Journal</i> , 2014 , 251, 123-130	14.7	71
189	Platinum catalysts supported on MWNT for catalytic wet air oxidation of nitrogen containing compounds. <i>Catalysis Today</i> , 2005 , 102-103, 101-109	5.3	71
188	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2015 , 178, 82-90	21.8	70
187	Au/activated-carbon catalysts for selective oxidation of alcohols with molecular oxygen under atmospheric pressure: Role of basicity. <i>Catalysis Communications</i> , 2008 , 9, 2395-2397	3.2	68
186	Photocatalytic behaviour of nanocarbon/TiO ₂ composites and immobilization into hollow fibres. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 101-111	21.8	67
185	Effect of Mg, Ca, and Sr on CeO ₂ Based Catalysts for the Oxidative Coupling of Methane: Investigation on the Oxygen Species Responsible for Catalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10535-10541	3.9	66
184	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	7.3	65
183	Mechanism of degradation of ketoprofen by heterogeneous photocatalysis in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 633-646	21.8	61
182	Carbon-based TiO ₂ materials for the degradation of Microcystin-LA. <i>Applied Catalysis B: Environmental</i> , 2015 , 170-171, 74-82	21.8	60
181	Photocatalytic degradation of Reactive Black 5 with TiO ₂ -coated magnetic nanoparticles. <i>Catalysis Today</i> , 2013 , 209, 116-121	5.3	60
180	The role of activated carbons functionalized with thiol and sulfonic acid groups in catalytic wet peroxide oxidation. <i>Applied Catalysis B: Environmental</i> , 2011 , 106, 390-397	21.8	60
179	Controlled generation of oxygen functionalities on the surface of Single-Walled Carbon Nanotubes by HNO ₃ hydrothermal oxidation. <i>Carbon</i> , 2010 , 48, 1515-1523	10.4	60
178	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	14.7	59
177	Photocatalytic oxidation of phenolic compounds by using a carbon nanotube-titanium dioxide composite catalyst. <i>ChemSusChem</i> , 2010 , 3, 609-18	8.3	59
176	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	5.3	57
175	Nitrogen-doped graphene-based materials for advanced oxidation processes. <i>Catalysis Today</i> , 2015 , 249, 192-198	5.3	57
174	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	9.6	57

173	PtSn/SiO ₂ catalysts prepared by surface controlled reactions for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2010 , 383, 43-49	5.1	56
172	Degradation of diphenhydramine pharmaceutical in aqueous solutions by using two highly active TiO ₂ photocatalysts: Operating parameters and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2012 , 113-114, 221-227	21.8	55
171	Reaction mechanism of aerobic oxidation of alcohols conducted on activated-carbon-supported cobalt oxide catalysts. <i>Chemistry - A European Journal</i> , 2011 , 17, 7112-7	4.8	55
170	N-modified TiO ₂ photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 66-74	21.8	54
169	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. <i>Journal of Catalysis</i> , 2014 , 316, 182-190	7.3	54
168	β-Cyclodextrin as a Precursor to Holey C-Doped g-C N Nanosheets for Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2018 , 11, 2681-2694	8.3	54
167	Photocatalytic activity of TiO ₂ -coated glass raschig rings on the degradation of phenolic derivatives under simulated solar light irradiation. <i>Chemical Engineering Journal</i> , 2013 , 224, 32-38	14.7	53
166	Catalytic wet air oxidation of low molecular weight carboxylic acids using a carbon supported platinum catalyst. <i>Applied Catalysis B: Environmental</i> , 2000 , 27, L217-L223	21.8	53
165	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	21.8	53
164	Graphitic carbon nitride nanosheets as highly efficient photocatalysts for phenol degradation under high-power visible LED irradiation. <i>Materials Research Bulletin</i> , 2018 , 100, 322-332	5.1	52
163	Ce-Doped La ₂ O ₃ based catalyst for the oxidative coupling of methane. <i>Catalysis Communications</i> , 2013 , 42, 50-53	3.2	51
162	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	21.8	50
161	Controlling and Quantifying Oxygen Functionalities on Hydrothermally and Thermally Treated Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8534-8546	3.8	50
160	Metal-free carbon nitride photocatalysis with in situ hydrogen peroxide generation for the degradation of aromatic compounds. <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 128-137	21.8	48
159	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. <i>Catalysis Today</i> , 2015 , 249, 204-212	5.3	47
158	Anatase vs. rutile efficiency on the photocatalytic degradation of clofibric acid under near UV to visible irradiation. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 705-11	4.2	47
157	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> , 2008 , 84, 75-86	21.8	47
156	Photoionization of diarylmethyl radicals in acetonitrile and alcohol-water: laser flash production of diarylcarbenium ions. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 1924-1930		46

155	Gas phase oxidation of n-decane and PCE by photocatalysis using an annular photoreactor packed with a monolithic catalytic bed coated with P25 and PC500. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 306-315	21.8	45
154	Photocatalytic performance of Au/ZnO nanocatalysts for hydrogen production from ethanol. <i>Applied Catalysis A: General</i> , 2016 , 518, 198-205	5.1	44
153	Enhancing the photocatalytic properties of TiO ₂ by coupling with carbon nanotubes and supporting gold. <i>Journal of Hazardous Materials</i> , 2012 , 235-236, 230-6	12.8	44
152	Novel carbon supported material: highly dispersed platinum particles on carbon nanospheres. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1980-1981		44
151	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO ₃ and H ₂ SO ₄ hydrothermal oxidation for application in direct contact membrane distillation. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12237-50	3.6	42
150	Hydrogenation of p-chloronitrobenzene over nanostructured-carbon-supported ruthenium catalysts. <i>ChemSusChem</i> , 2011 , 4, 950-6	8.3	41
149	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10365-72	3.6	41
148	Physicochemical properties of new cellulose-TiO ₂ composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5032-5041	6.8	40
147	Photochemical and photocatalytic degradation of trans-resveratrol. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 638-44	4.2	40
146	Removal of 2-nitrophenol by catalytic wet peroxide oxidation using carbon materials with different morphological and chemical properties. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 356-362	21.8	39
145	Mesoporous Au/TiO ₂ composites preparation, characterization, and photocatalytic properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 913-919	3.1	39
144	Catalytic wet air oxidation of olive mill wastewater. <i>Catalysis Today</i> , 2007 , 124, 254-259	5.3	38
143	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	21.8	37
142	Photocatalytic ozonation of aniline with TiO ₂ -carbon composite materials. <i>Journal of Environmental Management</i> , 2017 , 195, 208-215	7.9	37
141	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	3.7	36
140	Highly dispersed activated carbon supported platinum catalysts prepared by OMCVD: a comparison with wet impregnated catalysts. <i>Applied Catalysis A: General</i> , 2003 , 243, 357-365	5.1	36
139	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2012 , 425-426, 161-169	5.1	34
138	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. <i>Applied Catalysis B: Environmental</i> , 2011 , 105, 86-94	21.8	33

137	Liquid-Phase Hydrogenation of Unsaturated Aldehydes: Enhancing Selectivity of Multiwalled Carbon Nanotube-Supported Catalysts by Thermal Activation. <i>ChemCatChem</i> , 2010 , 2, 190-197	5.2	33
136	Nanodiamond-TiO Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , 2013 , 78, 801-807	2.8	31
135	Photocatalytic synthesis of vanillin using N-doped carbon nanotubes/ZnO catalysts under UV-LED irradiation. <i>Applied Catalysis A: General</i> , 2018 , 551, 71-78	5.1	31
134	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	2.3	30
133	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	6.7	30
132	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 6372-6381	5.1	29
131	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. <i>Chemical Engineering Journal</i> , 2017 , 318, 247-253	14.7	29
130	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	5.3	29
129	Development of glycerol-based metal-free carbon materials for environmental catalytic applications. <i>Catalysis Today</i> , 2015 , 240, 61-66	5.3	28
128	Perchloroethylene gas-phase degradation over titania-coated transparent monoliths. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 444-456	21.8	28
127	Insights into UV-TiO ₂ photocatalytic degradation of PCE for air decontamination systems. <i>Chemical Engineering Journal</i> , 2012 , 204-206, 244-257	14.7	28
126	Carbon xerogel supported noble metal catalysts for fine chemical applications. <i>Catalysis Today</i> , 2010 , 149, 358-364	5.3	28
125	Carbon-supported iridium catalysts in the catalytic wet air oxidation of carboxylic acids: kinetics and mechanistic interpretation. <i>Journal of Molecular Catalysis A</i> , 2002 , 182-183, 47-60		28
124	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 310-317	21.8	27
123	Role of Nitrogen Doping on the Performance of Carbon Nanotube Catalysts: A Catalytic Wet Peroxide Oxidation Application. <i>ChemCatChem</i> , 2016 , 8, 2068-2078	5.2	26
122	Sulfamethoxazole degradation by combination of advanced oxidation processes. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 4054-4060	6.8	26
121	Layered double hydroxide (LDH)-based materials: A mini-review on strategies to improve the performance for photocatalytic water splitting. <i>Journal of Energy Chemistry</i> , 2022 , 64, 406-431	12	26
120	Hummers-Rand-Brodie's graphene oxides as photocatalysts for phenol degradation. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 243-255	9.3	25

119	A strategy for improving peroxidase stability via immobilization on surface modified multi-walled carbon nanotubes. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1570-1578	3.5	25
118	Recent Strategies for Hydrogen Peroxide Production by Metal-Free Carbon Nitride Photocatalysts. <i>Catalysts</i> , 2019 , 9, 990	4	25
117	Continuous flow photo-Fenton treatment of ciprofloxacin in aqueous solutions using homogeneous and magnetically recoverable catalysts. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11116-25	5.1	24
116	Carbon supported platinum catalysts for catalytic wet air oxidation of refractory carboxylic acids. <i>Topics in Catalysis</i> , 2005 , 33, 59-68	2.3	23
115	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	6.8	22
114	Photocatalytic ozonation of model aqueous solutions of oxalic and oxamic acids. <i>Applied Catalysis B: Environmental</i> , 2015 , 174-175, 113-119	21.8	22
113	<i>Solanum nigrum</i> L. weed plants as a remediation tool for metalaxyl-polluted effluents and soils. <i>Chemosphere</i> , 2011 , 85, 744-50	8.4	22
112	Catalytic wet air oxidation of butyric acid solutions using carbon-supported iridium catalysts. <i>Catalysis Today</i> , 2002 , 75, 23-28	5.3	22
111	Synthesis of TiO ₂ -Carbon Nanotubes through ball-milling method for mineralization of oxamic acid (OMA) by photocatalytic ozonation. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5599-5607	6.8	20
110	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	14.7	20
109	Removal of oxalic acid, oxamic acid and aniline by a combined photolysis and ozonation process. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1075-83	2.6	20
108	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	5.1	20
107	On the Interactions and Synergism between Phases of Carbon-Phosphorus-Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , 2018 , 11,	3.5	20
106	Simultaneous photochemical and photocatalyzed liquid phase reactions: Dye decolorization kinetics. <i>Catalysis Today</i> , 2015 , 240, 80-85	5.3	19
105	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	3.5	19
104	Controlling the Surface Chemistry of Multiwalled Carbon Nanotubes for the Production of Highly Efficient and Stable Laccase-Based Biocatalysts. <i>ChemPlusChem</i> , 2014 , 79, 1116-1122	2.8	19
103	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	21.8	19
102	Visible-light-induced self-cleaning functional fabrics using graphene oxide/carbon nitride materials. <i>Applied Surface Science</i> , 2019 , 497, 143757	6.7	18

101	Recent Strategies and Applications for L-Asparaginase Confinement. <i>Molecules</i> , 2020 , 25,	4.8	18
100	Catalytic Advanced Oxidation Processes for Sulfamethoxazole Degradation. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2652	2.6	18
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