Joaquim L. Faria

List of Publications by Year in Descending Order

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	One-Pot Thermal Synthesis of g-CN/ZnO Composites for the Degradation of 5-Fluoruracil Cytostatic Drug under UV-LED Irradiation.. *Nanomaterials*, **2022**, 12,	5.4	2
243	Intensification strategies for improving the performance of photocatalytic processes: A review. *Journal of Cleaner Production*, **2022**, 340, 130800	10.3	3
242	Specific adsorbents for the treatment of OMW phenolic compounds by activation of bio-residues from the olive oil industry.. *Journal of Environmental Management*, **2022**, 306, 114490	7.9	2
241	Solar photocatalytic degradation of parabens using UiO-66-NH2. *Separation and Purification Technology*, **2022**, 286, 120467	8.3	2
240	Sustainable iron-olive stone-based catalysts for Fenton-like olive mill wastewater treatment: Development and performance assessment in continuous fixed-bed reactor operation. *Chemical Engineering Journal*, **2022**, 435, 134809	14.7	0
239	Layered double hydroxide (LDH)-based materials: A mini-review on strategies to improve the performance for photocatalytic water splitting. *Journal of Energy Chemistry*, **2022**, 64, 406-431	12	26
238	Supported Metal Single-Atom Photocatalysis **2022**, 583-611		
237	Synthesis and performance of a composite photocatalyst based on polyester-supported carbon nitride nanosheets for selective oxidation of anisyl alcohol. *Surfaces and Interfaces*, **2022**, 101938	4.1	
236	Single-atom Ir and Ru anchored on graphitic carbon nitride for efficient and stable electrocatalytic/photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2022**, 310, 121318	21.8	3
235	Immobilization and Characterization of L-Asparaginase over Carbon Xerogels. *BioTech*, **2022**, 11, 10	1.2	0
234	Impact of atomic layer deposited TiO2 on the photocatalytic efficiency of TiO2/w-VA-CNT nanocomposite materials. *RSC Advances*, **2022**, 12, 16419-16430	3.7	
233	Superior operational stability of immobilized L-asparaginase over surface-modified carbon nanotubes. *Scientific Reports*, **2021**, 11, 21529	4.9	0
232	Bezafibrate removal by coupling ozonation and photocatalysis: Effect of experimental conditions. *Environmental Nanotechnology, Monitoring and Management*, **2021**, 17, 100610	3.3	
231	Carbon-Based Materials for Oxidative Desulfurization and Denitrogenation of Fuels: A Review. *Catalysts*, **2021**, 11, 1239	4	3
230	Light-driven oxygen evolution from water oxidation with immobilised TiO engineered for high performance. *Scientific Reports*, **2021**, 11, 21306	4.9	0
229	Advances on Graphyne-Family Members for Superior Photocatalytic Behavior. *Advanced Science*, **2021**, 8, 2003900	13.6	7
228	Integration of olive stones in the production of Fe/AC-catalysts for the CWPO treatment of synthetic and real olive mill wastewater. *Chemical Engineering Journal*, **2021**, 411, 128451	14.7	6

227	Photocatalytic Perfomance of ZnO-Graphene Oxide Composites towards the Degradation of Vanillic Acid under Solar Radiation and Visible-LED. *Nanomaterials*, **2021**, 11,	5.4	8
226	Sustainable production of value-added chemicals and fuels by using a citric acid-modified carbon nitride optical semiconductor. *Applied Catalysis A: General*, **2021**, 609, 117912	5.1	1
225	Hydrochars from compost derived from municipal solid waste: Production process optimization and catalytic applications. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104888	6.8	6
224	Interactions of pharmaceutical compounds in water matrices under visible-driven photocatalysis. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104747	6.8	1
223	Rhodium single-atom catalysts with enhanced electrocatalytic hydrogen evolution performance. *New Journal of Chemistry*, **2021**, 45, 5770-5774	3.6	3
222	Glucose□arbon Hybrids as Pt Catalyst Supports for the Continuous Furfural Hydroconversion in Gas Phase. *Catalysts*, **2021**, 11, 49	4	2
221	Carbon Nanomaterials for Air and Water Remediation **2021**, 331-365		1
220	Multifunctional Noble Metal Phosphide Electrocatalysts for Organic Molecule Electro-Oxidation. *ACS Applied Energy Materials*, **2021**, 4, 1593-1600	6.1	4
219	L-Asparaginase-Based Biosensors. *Encyclopedia*, **2021**, 1, 848-858		1
218	Selective photocatalytic synthesis of benzaldehyde in microcapillaries with immobilized carbon nitride. *Chemical Engineering Journal*, **2021**, 430, 132643	14.7	4
217	Photocatalytic membranes: Synthesis, properties, and applications **2021**, 385-406		
216	Recent Strategies and Applications for l-Asparaginase Confinement. *Molecules*, **2020**, 25,	4.8	18
215	Catalysts Prepared with Matured Compost Derived from Mechanical-Biological Treatment Plants for the Wet Peroxide Oxidation of Pollutants with Different Lipophilicity. *Catalysts*, **2020**, 10, 1243	4	4
214	Fitting Biochars and Activated Carbons from Residues of the Olive Oil Industry as Supports of Fe-Catalysts for the Heterogeneous Fenton-Like Treatment of Simulated Olive Mill Wastewater. *Nanomaterials*, **2020**, 10,	5.4	8
213	Facile Preparation of ZnO/CNTs Nanocomposites via ALD for Photocatalysis Applications. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1743-1750	2.3	6
212	Using online tools in participatory research with adolescents to promote civic engagement and environmental mobilization: the WaterCircle (WC) project. *Environmental Education Research*, **2020**, 26, 1043-1059	3.1	4
211	Functionalized Graphene Derivatives and TiO for High Visible Light Photodegradation of Azo Dyes. *Nanomaterials*, **2020**, 10,	5.4	7
210	Efficiency and stability of metal-free carbon nitride in the photocatalytic ozonation of oxamic acid under visible light. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104172	6.8	1

209	Aqueous solution photocatalytic synthesis of -anisaldehyde by using graphite-like carbon nitride photocatalysts obtained the hard-templating route.. *RSC Advances*, **2020**, 10, 19431-19442	3.7	7
208	Photo-Fenton degradation assisted by in situ generation of hydrogen peroxide using a carbon nitride photocatalyst. *Journal of Water Process Engineering*, **2020**, 37, 101467	6.7	9
207	Degradation of methylparaben by sonocatalysis using a Co-Fe magnetic carbon xerogel. *Ultrasonics Sonochemistry*, **2020**, 64, 105045	8.9	15
206	HummersR and BrodieR graphene oxides as photocatalysts for phenol degradation. *Journal of Colloid and Interface Science*, **2020**, 567, 243-255	9.3	25
205	CelluloseTiO2 composites for the removal of water pollutants **2020**, 329-358		4
204	Carbon-nanotube/TiO2 materials synthesized by a one-pot oxidation/hydrothermal route for the photocatalytic production of hydrogen from biomass derivatives. *Materials Science in Semiconductor Processing*, **2020**, 115, 105098	4.3	12
203	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. *Nanomaterials*, **2020**, 10,	5.4	17
202	Biomedical-related applications of functionalized nanomaterials **2020**, 205-230		
201	A new platform for facile synthesis of hybrid TiO2 nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. *Materials Letters*, **2020**, 274, 128016	3.3	3
200	Role of TiO2-based photocatalysts on the synthesis of the pharmaceutical precursor benzhydrol by UVA-LED radiation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 391, 112350	4.7	2
199	Treatment of biodigested coffee processing wastewater using FentonR oxidation and coagulation/flocculation. *Environmental Pollution*, **2020**, 259, 113796	9.3	7
198	Water vapor harvesting by a (P)TSA process with MIL-125(Ti)_NH2 as adsorbent. *Separation and Purification Technology*, **2020**, 237, 116336	8.3	10
197	Efficient removal of parabens from real water matrices by a metal-free carbon nitride photocatalyst. *Science of the Total Environment*, **2020**, 716, 135346	10.2	18
196	Synthesis and characterization of carbon xerogel/graphene hybrids as adsorbents for metronidazole pharmaceutical removal: Effect of operating parameters. *Separation and Purification Technology*, **2020**, 237, 116341	8.3	17
195	A microfluidic reactor application for the continuous-flow photocatalytic selective synthesis of aromatic aldehydes. *Applied Catalysis A: General*, **2020**, 608, 117844	5.1	4
194	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. *Catalysts*, **2020**, 10, 1318	4	3
193	Ultrafine oxygen-defective iridium oxide nanoclusters for efficient and durable water oxidation at high current densities in acidic media. *Journal of Materials Chemistry A*, **2020**, 8, 24743-24751	13	13
192	Development and characterization of a novel l-asparaginase/MWCNT nanobioconjugate.. *RSC Advances*, **2020**, 10, 31205-31213	3.7	12

191	Carbon nanotubes as catalysts for wet peroxide oxidation: The effect of surface chemistry. *Catalysis Today*, **2020**, 357, 332-340	5.3	10
190	Outstanding response of carbon nitride photocatalysts for selective synthesis of aldehydes under UV-LED irradiation. *Catalysis Today*, **2020**, 357, 32-38	5.3	4
189	Janus amphiphilic carbon nanotubes as Pickering interfacial catalysts for the treatment of oily wastewater by selective oxidation with hydrogen peroxide. *Catalysis Today*, **2020**, 356, 205-215	5.3	14
188	Adsorption of Sudan-IV contained in oily wastewater on lipophilic activated carbons: kinetic and isotherm modelling. *Environmental Science and Pollution Research*, **2020**, 27, 20770-20785	5.1	9
187	Visible-light-induced self-cleaning functional fabrics using graphene oxide/carbon nitride materials. *Applied Surface Science*, **2019**, 497, 143757	6.7	18
186	Magnetic Nanoparticles for Photocatalytic Ozonation of Organic Pollutants. *Catalysts*, **2019**, 9, 703	4	6
185	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	14.7	86
184	Metal-free g-C3N4 photocatalysis of organic micropollutants in urban wastewater under visible light. *Applied Catalysis B: Environmental*, **2019**, 248, 184-192	21.8	80
183	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	3.5	10
182	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	21.8	48
181	Catalytic Advanced Oxidation Processes for Sulfamethoxazole Degradation. *Applied Sciences (Switzerland)*, **2019**, 9, 2652	2.6	18
180	Recent Strategies for Hydrogen Peroxide Production by Metal-Free Carbon Nitride Photocatalysts. *Catalysts*, **2019**, 9, 990	4	25
179	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. *Chemical Engineering Journal*, **2019**, 355, 974-985	14.7	82
178	Magnetically recoverable Fe3O4/g-C3N4 composite for photocatalytic production of benzaldehyde under UV-LED radiation. *Catalysis Today*, **2019**, 328, 293-299	5.3	29
177	Synthesis of selected aromatic aldehydes under UV-LED irradiation over a hybrid photocatalyst of carbon nanofibers and zinc oxide. *Catalysis Today*, **2019**, 328, 286-292	5.3	15
176	Enhanced performance of cobalt ferrite encapsulated in graphitic shell by means of AC magnetically activated catalytic wet peroxide oxidation of 4-nitrophenol. *Chemical Engineering Journal*, **2019**, 376, 120012	14.7	11
175	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. *Water Research*, **2018**, 135, 195-206	12.5	145
174	Exploring the activity of chemical-activated carbons synthesized from peach stones as metal-free catalysts for wet peroxide oxidation. *Catalysis Today*, **2018**, 313, 20-25	5.3	9

173	Graphitic carbon nitride nanosheets as highly efficient photocatalysts for phenol degradation under high-power visible LED irradiation. *Materials Research Bulletin*, **2018**, 100, 322-332	5.1	52
172	N/S-doped graphene derivatives and TiO2 for catalytic ozonation and photocatalysis of water pollutants. *Chemical Engineering Journal*, **2018**, 348, 888-897	14.7	59
171	Removal of Sudan IV from a simulated biphasic oily wastewater by using lipophilic carbon adsorbents. *Chemical Engineering Journal*, **2018**, 347, 963-971	14.7	14
170	TiO-based (FeO, SiO, reduced graphene oxide) magnetically recoverable photocatalysts for imazalil degradation in a synthetic wastewater. *Environmental Science and Pollution Research*, **2018**, 25, 27724-27736	5.1	11
169	Heterogeneous photocatalytic degradation of ibuprofen in ultrapure water, municipal and pharmaceutical industry wastewaters using a TiO2/UV-LED system. *Chemical Engineering Journal*, **2018**, 334, 976-984	14.7	176
168	Degradation of propyl paraben by activated persulfate using iron-containing magnetic carbon xerogels: investigation of water matrix and process synergy effects. *Environmental Science and Pollution Research*, **2018**, 25, 34801-34810	5.1	20
167	Mined pyrite and chalcopyrite as catalysts for spontaneous acidic pH adjustment in Fenton and LED photo-Fenton-like processes. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 1137-1146	3.5	19
166	Novel hybrids of graphitic carbon nitride sensitized with free-base meso-tetrakis(carboxyphenyl) porphyrins for efficient visible light photocatalytic hydrogen production. *Applied Catalysis B: Environmental*, **2018**, 221, 56-69	21.8	94
165	Graphene photocatalysts **2018**, 79-101		4
164	Photocatalytic activity of functionalized nanodiamond-TiO2 composites towards water pollutants degradation under UV/Vis irradiation. *Applied Surface Science*, **2018**, 458, 839-848	6.7	30
163	Physicochemical properties of new cellulose-TiO2 composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5032-5041	6.8	40
162	Selective Production of Benzaldehyde Using Metal-Free Reduced Graphene Oxide/Carbon Nitride Hybrid Photocatalysts. *ChemistrySelect*, **2018**, 3, 8070-8081	1.8	12
161	Photocatalytic synthesis of vanillin using N-doped carbon nanotubes/ZnO catalysts under UV-LED irradiation. *Applied Catalysis A: General*, **2018**, 551, 71-78	5.1	31
160	On the Interactions and Synergism between Phases of Carbon?Phosphorus?Titanium Composites Synthetized from Cellulose for the Removal of the Orange-G Dye. *Materials*, **2018**, 11,	3.5	20
159	Catalytic and Photocatalytic Nitrate Reduction Over Pd-Cu Loaded Over Hybrid Materials of Multi-Walled Carbon Nanotubes and TiO. *Frontiers in Chemistry*, **2018**, 6, 632	5	16
158	Sulfamethoxazole degradation by combination of advanced oxidation processes. *Journal of Environmental Chemical Engineering*, **2018**, 6, 4054-4060	6.8	26
157	Cyclodextrin as a Precursor to Holey C-Doped g-C N Nanosheets for Photocatalytic Hydrogen Generation. *ChemSusChem*, **2018**, 11, 2681-2694	8.3	54
156	Bare TiO2 and graphene oxide TiO2 photocatalysts on the degradation of selected pesticides and influence of the water matrix. *Applied Surface Science*, **2017**, 416, 1013-1021	6.7	121

155	Hybrid magnetic graphitic nanocomposites for catalytic wet peroxide oxidation applications. *Catalysis Today*, **2017**, 280, 184-191	5.3	17
154	Homogeneous and heterogeneous photo-Fenton degradation of antibiotics using an innovative static mixer photoreactor. *Chemical Engineering Journal*, **2017**, 310, 342-351	14.7	74
153	Ag-loaded ZnO materials for photocatalytic water treatment. *Chemical Engineering Journal*, **2017**, 318, 95-102	14.7	83
152	Synthesis of TiO2-Carbon Nanotubes through ball-milling method for mineralization of oxamic acid (OMA) by photocatalytic ozonation. *Journal of Environmental Chemical Engineering*, **2017**, 5, 5599-5607	6.8	20
151	Graphitic carbon nitride modified by thermal, chemical and mechanical processes as metal-free photocatalyst for the selective synthesis of benzaldehyde from benzyl alcohol. *Journal of Catalysis*, **2017**, 353, 44-53	7.3	65
150	Activation of sodium persulfate by magnetic carbon xerogels (CX/CoFe) for the oxidation of bisphenol A: Process variables effects, matrix effects and reaction pathways. *Water Research*, **2017**, 124, 97-107	12.5	83
149	Lignin-based activated carbons as metal-free catalysts for the oxidative degradation of 4-nitrophenol in aqueous solution. *Applied Catalysis B: Environmental*, **2017**, 219, 372-378	21.8	37
148	Hybrid magnetic graphitic nanocomposites towards catalytic wet peroxide oxidation of the liquid effluent from a mechanical biological treatment plant for municipal solid waste. *Applied Catalysis B: Environmental*, **2017**, 219, 645-657	21.8	19
147	The role of cobalt in bimetallic iron-cobalt magnetic carbon xerogels developed for catalytic wet peroxide oxidation. *Catalysis Today*, **2017**, 296, 66-75	5.3	17
146	Selective photocatalytic oxidation of benzyl alcohol to benzaldehyde by using metal-loaded g-C 3 N 4 photocatalysts. *Catalysis Today*, **2017**, 287, 70-77	5.3	57
145	Photocatalytic ozonation of aniline with TiO-carbon composite materials. *Journal of Environmental Management*, **2017**, 195, 208-215	7.9	37
144	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. *Environmental Science and Pollution Research*, **2017**, 24, 6372-6381	5.1	29
143	Photocatalytic-assisted ozone degradation of metolachlor aqueous solution. *Chemical Engineering Journal*, **2017**, 318, 247-253	14.7	29
142	Photocatalytic Reduction of CO2 with Water into Methanol and Ethanol Using Graphene Derivative□TiO2 Composites: Effect of pH and Copper(I) Oxide. *Topics in Catalysis*, **2016**, 59, 1279-1291	2.3	30
141	Graphene-Based Membranes for Separation Engineering **2016**, 133-154		
140	Kinetic modelling for the photocatalytic degradation of phenol by using TiO2-coated glass raschig rings under simulated solar light. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 346-352	3.5	11
139	Catalytic wet peroxide oxidation: a route towards the application of hybrid magnetic carbon nanocomposites for the degradation of organic pollutants. A review. *Applied Catalysis B: Environmental*, **2016**, 187, 428-460	21.8	113
138	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO2 with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. *Water Research*, **2016**, 94, 10-22	12.5	150

137	Photocatalytic performance of Au/ZnO nanocatalysts for hydrogen production from ethanol. *Applied Catalysis A: General*, **2016**, 518, 198-205	5.1	44
136	An innovative static mixer photoreactor: Proof of concept. *Chemical Engineering Journal*, **2016**, 287, 419-424	4.7	8
135	Role of Nitrogen Doping on the Performance of Carbon Nanotube Catalysts: A Catalytic Wet Peroxide Oxidation Application. *ChemCatChem*, **2016**, 8, 2068-2078	5.2	26
134	Magnetic carbon xerogels for the catalytic wet peroxide oxidation of sulfamethoxazole in environmentally relevant water matrices. *Applied Catalysis B: Environmental*, **2016**, 199, 170-186	21.8	53
133	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. *Journal of Membrane Science*, **2016**, 520, 326-336	9.6	57
132	Activated carbon xerogel–chitosan composite materials for catalytic wet peroxide oxidation under intensified process conditions. *Journal of Environmental Chemical Engineering*, **2015**, 3, 1243-1251	6.8	22
131	Nanodiamond–TiO2 composites for photocatalytic degradation of microcystin-LA in aqueous solutions under simulated solar light. *RSC Advances*, **2015**, 5, 58363-58370	3.7	36
130	Photocatalytic ozonation of model aqueous solutions of oxalic and oxamic acids. *Applied Catalysis B: Environmental*, **2015**, 174-175, 113-119	21.8	22
129	Graphene-based materials for the catalytic wet peroxide oxidation of highly concentrated 4-nitrophenol solutions. *Catalysis Today*, **2015**, 249, 204-212	5.3	47
128	Evaluation of sol–gel TiO 2 photocatalysts modified with carbon or boron compounds and crystallized in nitrogen or air atmospheres. *Chemical Engineering Journal*, **2015**, 277, 11-20	14.7	20
127	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. *Water Research*, **2015**, 77, 179-190	12.5	88
126	Synergistic effect between carbon nanomaterials and ZnO for photocatalytic water decontamination. *Journal of Catalysis*, **2015**, 331, 172-180	7.3	80
125	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. *Water Research*, **2015**, 87, 87-96	12.5	124
124	Carbon nanotubes as catalysts for catalytic wet peroxide oxidation of highly concentrated phenol solutions: towards process intensification. *Applied Catalysis B: Environmental*, **2015**, 165, 706-714	21.8	50
123	Removal of oxalic acid, oxamic acid and aniline by a combined photolysis and ozonation process. *Environmental Technology (United Kingdom)*, **2015**, 36, 1075-83	2.6	20
122	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. *Desalination*, **2015**, 357, 233-245	10.3	122
121	Development of glycerol-based metal-free carbon materials for environmental catalytic applications. *Catalysis Today*, **2015**, 240, 61-66	5.3	28
120	Simultaneous photochemical and photocatalyzed liquid phase reactions: Dye decolorization kinetics. *Catalysis Today*, **2015**, 240, 80-85	5.3	19

119	N-modified TiO 2 photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. *Applied Catalysis B: Environmental*, **2015**, 162, 66-74	21.8	54
118	Ceramic photocatalytic membranes for water filtration under UV and visible light. *Applied Catalysis B: Environmental*, **2015**, 178, 12-19	21.8	108
117	Photocatalytic production of hydrogen from methanol and saccharides using carbon nanotube-TiO2 catalysts. *Applied Catalysis B: Environmental*, **2015**, 178, 82-90	21.8	70
116	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	21.8	45
115	Degradation of diphenhydramine by photo-Fenton using magnetically recoverable iron oxide nanoparticles as catalyst. *Chemical Engineering Journal*, **2015**, 261, 45-52	14.7	77
114	Solar photocatalytic gas-phase degradation of n-decane--a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO films. *Environmental Science and Pollution Research*, **2015**, 22, 820-32	5.1	10
113	A strategy for improving peroxidase stability via immobilization on surface modified multi-walled carbon nanotubes. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1570-1578	3.5	25
112	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. *Journal of Colloid and Interface Science*, **2015**, 454, 52-60	9.3	142
111	Nitrogen-doped graphene-based materials for advanced oxidation processes. *Catalysis Today*, **2015**, 249, 192-198	5.3	57
110	Carbon-based TiO2 materials for the degradation of Microcystin-LA. *Applied Catalysis B: Environmental*, **2015**, 170-171, 74-82	21.8	60
109	Graphene Derivatives in Photocatalysis **2015**, 249-276		0
108	High-performance liquid chromatography as a tool to evaluate the performance of the catalytic wet peroxide oxidation of 4-nitrophenol: pre-validation of analytical methods. *U Porto Journal of Engineering*, **2015**, 1, 50-66	1	3
107	Role of oxygen functionalities on the synthesis of photocatalytically active graphene TiO2 composites. *Applied Catalysis B: Environmental*, **2014**, 158-159, 329-340	21.8	99
106	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO2/CNT composites. *Applied Catalysis B: Environmental*, **2014**, 147, 65-81	21.8	72
105	Controlled surface functionalization of multiwall carbon nanotubes by HNO3 hydrothermal oxidation. *Carbon*, **2014**, 69, 311-326	10.4	78
104	Controlling the Surface Chemistry of Multiwalled Carbon Nanotubes for the Production of Highly Efficient and Stable Laccase-Based Biocatalysts. *ChemPlusChem*, **2014**, 79, 1116-1122	2.8	19
103	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO3 and H2SO4 hydrothermal oxidation for application in direct contact membrane distillation. *Physical Chemistry Chemical Physics*, **2014**, 16, 12237-50	3.6	42
102	Continuous flow photo-Fenton treatment of ciprofloxacin in aqueous solutions using homogeneous and magnetically recoverable catalysts. *Environmental Science and Pollution Research* , **2014**, 21, 11116-25	5.1	24

101	Prototype composite membranes of partially reduced graphene oxide/TiO2 for photocatalytic ultrafiltration water treatment under visible light. *Applied Catalysis B: Environmental*, **2014**, 158-159, 361-372	21.8	84
100	Developing highly active photocatalysts: Gold-loaded ZnO for solar phenol oxidation. *Journal of Catalysis*, **2014**, 316, 182-190	7.3	54
99	Iron Oxide Materials for Photo-Fenton Conversion of Water Pollutants **2014**, 459-473		
98	Photocatalytic nitrate reduction over Pd□u/TiO2. *Chemical Engineering Journal*, **2014**, 251, 123-130	14.7	71
97	The influence of structure and surface chemistry of carbon materials on the decomposition of hydrogen peroxide. *Carbon*, **2013**, 62, 97-108	10.4	85
96	Nanodiamond-TiO Composites for Heterogeneous Photocatalysis. *ChemPlusChem*, **2013**, 78, 801-807	2.8	31
95	Photocatalytic activity of TiO2-coated glass raschig rings on the degradation of phenolic derivatives under simulated solar light irradiation. *Chemical Engineering Journal*, **2013**, 224, 32-38	14.7	53
94	Removal of 2-nitrophenol by catalytic wet peroxide oxidation using carbon materials with different morphological and chemical properties. *Applied Catalysis B: Environmental*, **2013**, 140-141, 356-362	21.8	39
93	Mechanism of degradation of ketoprofen by heterogeneous photocatalysis in aqueous solution. *Applied Catalysis B: Environmental*, **2013**, 142-143, 633-646	21.8	61
92	Tailoring the properties of immobilized titanium dioxide/carbon nanotube composites for photocatalytic water treatment. *Journal of Environmental Chemical Engineering*, **2013**, 1, 945-953	6.8	16
91	Nanodiamond-TiO Composites for Heterogeneous Photocatalysis. *ChemPlusChem*, **2013**, 78, 750	2.8	5
90	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. *Catalysis Today*, **2013**, 209, 108-115	5.3	77
89	Perchloroethylene gas-phase degradation over titania-coated transparent monoliths. *Applied Catalysis B: Environmental*, **2013**, 140-141, 444-456	21.8	28
88	Photochemical and photocatalytic degradation of trans-resveratrol. *Photochemical and Photobiological Sciences*, **2013**, 12, 638-44	4.2	40
87	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. *Applied Surface Science*, **2013**, 275, 361-368	6.7	124
86	Low-temperature synthesis and characterization of rutile nanoparticles with amorphous surface layer for photocatalytic degradation of caffeine. *Applied Catalysis B: Environmental*, **2013**, 140-141, 9-15	21.8	17
85	Chemical control of the characteristics of Mo-doped carbon xerogels by surfactant-mediated synthesis. *Carbon*, **2013**, 51, 213-223	10.4	18
84	Photocatalytic degradation of Reactive Black 5 with TiO2-coated magnetic nanoparticles. *Catalysis Today*, **2013**, 209, 116-121	5.3	60

83	TiO2, surface modified TiO2 and graphene oxide-TiO2 photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. *Chemical Engineering Journal*, **2013**, 224, 17-23	14.7	75
82	Photocatalytic behaviour of nanocarbon□TiO2 composites and immobilization into hollow fibres. *Applied Catalysis B: Environmental*, **2013**, 142-143, 101-111	21.8	67
81	Ce-Doped La2O3 based catalyst for the oxidative coupling of methane. *Catalysis Communications*, **2013**, 42, 50-53	3.2	51
80	Fuel Cells: Cogeneration of C2 Hydrocarbons or Simultaneous Production/Separation of H2 and C2 Hydrocarbons. *Advanced Structured Materials*, **2013**, 221-239	0.6	1
79	Design of graphene-based TiO2 photocatalysts--a review. *Environmental Science and Pollution Research*, **2012**, 19, 3676-87	5.1	240
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