

# Dionissios Mantzavinos

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209  
papers

11,444  
citations

56  
h-index

99  
g-index

242  
ext. papers

12,768  
ext. citations

8  
avg, IF

6.65  
L-index

#	Paper	IF	Citations
209	Removal of drug losartan in environmental aquatic matrices by heat-activated persulfate: Kinetics, transformation products and synergistic effects. <i>Chemosphere</i> , <b>2022</b> , 287, 131952	8.4	9
208	Sorption of two common antihypertensive drugs onto polystyrene microplastics in water matrices.. <i>Science of the Total Environment</i> , <b>2022</b> , 837, 155786	10.2	0
207	On the Performance of a Sustainable Rice Husk Biochar for the Activation of Persulfate and the Degradation of Antibiotics. <i>Catalysts</i> , <b>2021</b> , 11, 1303	4	2
206	Biochar from Spent Malt Rootlets and Its Application to an Energy Conversion and Storage Device. <i>Chemosensors</i> , <b>2021</b> , 9, 57	4	4
205	Impact of water matrix on the photocatalytic removal of pharmaceuticals by visible light active materials. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 28, 100445	7.9	6
204	Effect of sodium persulfate treatment on the physicochemical properties and catalytic activity of biochar prepared from spent malt rootlets. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105071	6.8	13
203	Production of hydrogen peroxide with a photocatalytic fuel cell and its application to UV/H <sub>2</sub> O <sub>2</sub> degradation of dyes. <i>Chemical Engineering Journal Advances</i> , <b>2021</b> , 6, 100109	3.6	3
202	Photocatalytic Degradation of Valsartan by MoS <sub>2</sub> /BiOCl Heterojunctions. <i>Catalysts</i> , <b>2021</b> , 11, 650	4	3
201	Advanced Oxidation Processes for Water and Wastewater Viral Disinfection. A Systematic Review. <i>Food and Environmental Virology</i> , <b>2021</b> , 13, 283-302	4	10
200	Degradation of dexamethasone in water using BDD anodic oxidation and persulfate: reaction kinetics and pathways. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 2451-2460	3.5	1
199	Sulfamethoxazole degradation by the CuOx/persulfate system. <i>Catalysis Today</i> , <b>2021</b> , 361, 139-145	5.3	15
198	On the industrial symbiosis of alumina and iron/steel production: Suitability of ferroalumina as raw material in iron and steel making. <i>Waste Management and Research</i> , <b>2021</b> , 39, 1270-1276	4	
197	Solar light induced photocatalytic removal of sulfamethoxazole from water and wastewater using BiOCl photocatalyst. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2021</b> , 56, 963-972	2.3	1
196	Oxidation of Sulfamethoxazole by Rice Husk Biochar-Activated Persulfate. <i>Catalysts</i> , <b>2021</b> , 11, 850	4	8
195	Destruction of valsartan using electrochemical and electrochemical/persulfate process. Kinetics, identification of degradation pathway and application in aqueous matrices. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106265	6.8	2
194	UV/H <sub>2</sub> O <sub>2</sub> degradation of diclofenac in a photocatalytic fuel cell. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 299, 120706	21.8	4
193	Solar Photocatalysis for Emerging Micro-Pollutants Abatement and Water Disinfection: A Mini-Review. <i>Sustainability</i> , <b>2020</b> , 12, 10047	3.6	5

192	Degradation of antihypertensive drug valsartan in water matrices by heat and heat/ultrasound activated persulfate: Kinetics, synergy effect and transformation products. <i>Chemical Engineering Journal Advances</i> , <b>2020</b> , 4, 100062	3.6	8
191	Lanthanum Nickel Oxide: An Effective Heterogeneous Activator of Sodium Persulfate for Antibiotics Elimination. <i>Catalysts</i> , <b>2020</b> , 10, 1373	4	4
190	Biochar obtained by carbonization of spent coffee grounds and its application in the construction of an energy storage device. <i>Chemical Engineering Journal Advances</i> , <b>2020</b> , 4, 100061	3.6	12
189	Current Trends in the Application of Nanomaterials for the Removal of Emerging Micropollutants and Pathogens from Water. <i>Molecules</i> , <b>2020</b> , 25,	4.8	24
188	Activation of persulfate by biochar from spent malt rootlets for the degradation of trimethoprim in the presence of inorganic ions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2348-2358	3.5	13
187	Persulfate activation by modified red mud for the oxidation of antibiotic sulfamethoxazole in water. <i>Journal of Environmental Management</i> , <b>2020</b> , 270, 110820	7.9	16
186	Porous CoxNi1-xTiO3 nanorods for solar photocatalytic degradation of ethyl paraben. <i>Journal of Materiomics</i> , <b>2020</b> , 6, 788-799	6.7	2
185	Coupling Persulfate-Based AOPs: A Novel Approach for Piroxicam Degradation in Aqueous Matrices. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1530	3	8
184	Degradation of sulfamethoxazole with persulfate using spent coffee grounds biochar as activator. <i>Journal of Environmental Management</i> , <b>2020</b> , 271, 111022	7.9	18
183	Degradation of methylparaben by sonocatalysis using a Co-Fe magnetic carbon xerogel. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 64, 105045	8.9	15
182	Photocatalytic Evaluation of Ag2CO3 for Ethylparaben Degradation in Different Water Matrices. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1180	3	10
181	Sonochemical degradation of propylparaben in the presence of agro-industrial biochar. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104010	6.8	8
180	Electrochemical oxidation of butyl paraben on boron doped diamond in environmental matrices and comparison with sulfate radical-AOP. <i>Journal of Environmental Management</i> , <b>2020</b> , 269, 110783	7.9	11
179	Degradation of pesticide thiamethoxam by heat [activated and ultrasound [activated persulfate: Effect of key operating parameters and the water matrix. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 134, 197-207	5.5	20
178	Solar light-induced photocatalytic degradation of methylparaben by g-C3N4 in different water matrices. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2811-2821	3.5	7
177	Carbocatalytic activation of persulfate for the removal of drug diclofenac from aqueous matrices. <i>Catalysis Today</i> , <b>2020</b> , 355, 937-944	5.3	13
176	Sonochemical degradation of trimethoprim in water matrices: Effect of operating conditions, identification of transformation products and toxicity assessment. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 67, 105139	8.9	12
175	Photocatalytic performance of Ag2O towards sulfamethoxazole degradation in environmental samples. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103177	6.8	14

174	Screening of heterogeneous catalysts for the activated persulfate oxidation of sulfamethoxazole in aqueous matrices. Does the matrix affect the selection of catalyst?. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 94, 2425-2432	3.5	10
173	Activation of Persulfate by Biochars from Valorized Olive Stones for the Degradation of Sulfamethoxazole. <i>Catalysts</i> , <b>2019</b> , 9, 419	4	32
172	Degradation of Sulfamethoxazole Using Iron-Doped Titania and Simulated Solar Radiation. <i>Catalysts</i> , <b>2019</b> , 9, 612	4	20
171	Electrochemical Degradation of Piroxicam on a Boron-Doped Diamond Anode: Investigation of Operating Parameters and Ultrasound Synergy. <i>ChemElectroChem</i> , <b>2019</b> , 6, 841-847	4.3	11
170	Valorization of steel slag towards a Fenton-like catalyst for the degradation of paraben by activated persulfate. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 728-739	14.7	22
169	Degradation of antibiotic trimethoprim by the combined action of sunlight, TiO <sub>2</sub> and persulfate: A pilot plant study. <i>Catalysis Today</i> , <b>2019</b> , 328, 216-222	5.3	21
168	Copper phosphide and persulfate salt: A novel catalytic system for the degradation of aqueous phase micro-contaminants. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 178-187	21.8	53
167	Immobilized Ag <sub>3</sub> PO <sub>4</sub> photocatalyst for micro-pollutants removal in a continuous flow annular photoreactor. <i>Catalysis Today</i> , <b>2019</b> , 328, 223-229	5.3	22
166	Synthesis and characterization of CoO/BiVO photocatalysts for the degradation of propyl paraben. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 372, 52-60	12.8	45
165	Environmental sustainability of light-driven processes for wastewater treatment applications. <i>Journal of Cleaner Production</i> , <b>2018</b> , 182, 8-15	10.3	51
164	Degradation of antibiotic sulfamethoxazole by biochar-activated persulfate: Factors affecting the activation and degradation processes. <i>Catalysis Today</i> , <b>2018</b> , 313, 128-133	5.3	97
163	Destruction of propyl paraben by persulfate activated with UV-A light emitting diodes. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 2992-2997	6.8	31
162	Solar photocatalytic abatement of sulfamethoxazole over Ag <sub>3</sub> PO <sub>4</sub> /WO <sub>3</sub> composites. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 231, 73-81	21.8	62
161	Electrochemical oxidation of pesticide thiamethoxam on boron doped diamond anode: Role of operating parameters and matrix effect. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 116, 535-541	5.5	47
160	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> , <b>2018</b> , 25, 34801-34810	5.1	20
159	Degradation of antibiotic ampicillin on boron-doped diamond anode using the combined electrochemical oxidation - Sodium persulfate process. <i>Journal of Environmental Management</i> , <b>2018</b> , 223, 878-887	7.9	46
158	Utilization of raw red mud as a source of iron activating the persulfate oxidation of paraben. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 119, 311-319	5.5	13
157	Solar photocatalytic degradation of propyl paraben in Al-doped TiO <sub>2</sub> suspensions. <i>Catalysis Today</i> , <b>2018</b> , 313, 148-154	5.3	23

156	Photoelectrocatalytic vs. Photocatalytic Degradation of Organic Water Born Pollutants. <i>Catalysts</i> , <b>2018</b> , 8, 455	4	10
155	Sonochemical oxidation of piroxicam drug: effect of key operating parameters and degradation pathways. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 28-34	3.5	30
154	Solar light-induced degradation of ethyl paraben with CuO x /BiVO 4 : Statistical evaluation of operating factors and transformation by-products. <i>Catalysis Today</i> , <b>2017</b> , 280, 122-131	5.3	22
153	Solar photocatalytic decomposition of ethyl paraben in zinc oxide suspensions. <i>Catalysis Today</i> , <b>2017</b> , 280, 139-148	5.3	20
152	Solar photocatalysis as disinfection technique: Inactivation of Klebsiella pneumoniae in sewage and investigation of changes in antibiotic resistance profile. <i>Journal of Environmental Management</i> , <b>2017</b> , 195, 140-147	7.9	38
151	Fast photocatalytic degradation of bisphenol A by Ag <sub>3</sub> PO <sub>4</sub> /TiO <sub>2</sub> composites under solar radiation. <i>Catalysis Today</i> , <b>2017</b> , 280, 99-107	5.3	52
150	Treatment of table olive washing water using trickling filters, constructed wetlands and electrooxidation. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 1085-1092	5.1	27
149	Boron-doped diamond oxidation of amoxicillin pharmaceutical formulation: Statistical evaluation of operating parameters, reaction pathways and antibacterial activity. <i>Journal of Environmental Management</i> , <b>2017</b> , 195, 100-109	7.9	29
148	Solar photocatalytic degradation of bisphenol A with CuO x /BiVO 4 : Insights into the unexpectedly favorable effect of bicarbonates. <i>Chemical Engineering Journal</i> , <b>2017</b> , 318, 39-49	14.7	95
147	Photodegradation of ethyl paraben using simulated solar radiation and AgPO photocatalyst. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 478-488	12.8	56
146	New perspectives for Advanced Oxidation Processes. <i>Journal of Environmental Management</i> , <b>2017</b> , 195, 93-99	7.9	295
145	Removal of antibiotics in a parallel-plate thin-film-photocatalytic reactor: Process modeling and evolution of transformation by-products and toxicity. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 60, 114-122	6.4	10
144	Graphene: A new activator of sodium persulfate for the advanced oxidation of parabens in water. <i>Water Research</i> , <b>2017</b> , 126, 111-121	12.5	89
143	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
142	Photocatalytic degradation of bisphenol A over Rh/TiO <sub>2</sub> suspensions in different water matrices. <i>Catalysis Today</i> , <b>2017</b> , 284, 59-66	5.3	50
141	Solar photocatalytic degradation of sulfamethoxazole over tungsten [Modified TiO <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2017</b> , 318, 143-152	14.7	65
140	Photocatalytic activity based-optimization of TTIP thin films for E. coli inactivation: Effect of Mn and Cu dopants. <i>Catalysis Today</i> , <b>2017</b> , 280, 86-92	5.3	3
139	Inactivation of Staphylococcus aureus in water by means of solar photocatalysis using metal doped TiO <sub>2</sub> semiconductors. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 43-51	3.5	17

138	Boron-doped diamond electrooxidation of ethyl paraben: The effect of electrolyte on by-products distribution and mechanisms. <i>Journal of Environmental Management</i> , <b>2017</b> , 195, 148-156	7.9	42
137	Degradation of ethyl paraben by heat-activated persulfate oxidation: statistical evaluation of operating factors and transformation pathways. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 1073-1084	5.1	13
136	Oxidation of bisphenol A in water by heat-activated persulfate. <i>Journal of Environmental Management</i> , <b>2017</b> , 195, 125-132	7.9	41
135	Disinfection of Waters/Wastewaters by Solar Photocatalysis. <i>Green Chemistry and Sustainable Technology</i> , <b>2017</b> , 177-198	1.1	0
134	Advanced oxidation processes for wastewater treatment <b>2017</b> , 131-143		2
133	Removal of cibacron black commercial dye with heat- or iron-activated persulfate: statistical evaluation of key operating parameters on decolorization and degradation by-products. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 2616-2625		6
132	Correlating the properties of hydrogenated titania to reaction kinetics and mechanism for the photocatalytic degradation of bisphenol A under solar irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 65-76	21.8	48
131	A hybrid system comprising an aerobic biological process and electrochemical oxidation for the treatment of black table olive processing wastewaters. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 109, 104-112	4.8	18
130	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
129	Sonochemical degradation of ethyl paraben in environmental samples: Statistically important parameters determining kinetics, by-products and pathways. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 31, 62-70	8.9	49
128	Sono-activated persulfate oxidation of bisphenol A: Kinetics, pathways and the controversial role of temperature. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 623-633	14.7	142
127	Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO <sub>2</sub> catalysts. <i>Water Research</i> , <b>2015</b> , 81, 157-66	12.5	86
126	Photocatalytic and photoelectrocatalytic degradation of the drug omeprazole on nanocrystalline titania films in alkaline media: Effect of applied electrical bias on degradation and transformation products. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 294, 57-63	12.8	29
125	Inactivation of MS2 coliphage in sewage by solar photocatalysis using metal-doped TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 178, 54-64	21.8	49
124	Study of the generated genetic polymorphisms during the photocatalytic elimination of <i>Klebsiella pneumoniae</i> in water. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 506-13	4.2	4
123	Photoelectrocatalytic degradation of potential water pollutants in the presence of NaCl using nanocrystalline titania films. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1338-1344	3.5	23
122	Photocatalytic reduction of Cr(VI) over titania suspensions. <i>Catalysis Today</i> , <b>2015</b> , 252, 190-194	5.3	38
121	Ultraviolet-activated persulfate oxidation of methyl orange: a comparison between artificial neural networks and factorial design for process modelling. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 528-35	4.2	24

120	UV and simulated solar photodegradation of 17 $\beta$ -ethynylestradiol in secondary-treated wastewater by hydrogen peroxide or iron addition. <i>Catalysis Today</i> , <b>2015</b> , 252, 84-92	5.3	41
119	Chemical surface modified-activated carbon cloth for catalytic wet peroxide oxidation of phenol. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1182-1188	3.5	15
118	Complete degradation of the persistent anti-depressant sertraline in aqueous solution by solar photo-Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 814-818	3.5	13
117	Sequential treatment of diluted olive pomace leachate by digestion in a pilot scale UASB reactor and BDD electrochemical oxidation. <i>Water Research</i> , <b>2014</b> , 57, 76-86	12.5	35
116	Comparison of different TiO <sub>2</sub> samples as photocatalyst for the degradation of a mixture of four commercial pesticides. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1259-1264	3.5	12
115	Coupling digestion in a pilot-scale UASB reactor and electrochemical oxidation over BDD anode to treat diluted cheese whey. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 12170-81	5.1	19
114	Homogeneous photo-Fenton mineralization of the antibiotic sulfamethazine in water under UV-A, visible and solar irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1668-1674	3.5	12
113	Solar light and metal-doped TiO <sub>2</sub> to eliminate water-transmitted bacterial pathogens: Photocatalyst characterization and disinfection performance. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 154-155, 93-101	21.8	96
112	Solar photocatalytic decomposition of estrogens over immobilized zinc oxide. <i>Catalysis Today</i> , <b>2013</b> , 209, 66-73	5.3	18
111	Recovery of antioxidants from olive mill wastewaters: a viable solution that promotes their overall sustainable management. <i>Journal of Environmental Management</i> , <b>2013</b> , 128, 749-58	7.9	69
110	Sequential coagulation-flocculation, solvent extraction and photo-Fenton oxidation for the valorization and treatment of olive mill effluent. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 82-88	14.7	49
109	Life cycle assessment of advanced oxidation processes for olive mill wastewater treatment. <i>Journal of Cleaner Production</i> , <b>2013</b> , 54, 229-234	10.3	93
108	Sunlight, iron and radicals to tackle the resistant leftovers of biotreated winery wastewater. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 664-70	4.2	11
107	Inactivation of <i>Bacillus anthracis</i> in water by photocatalytic, photolytic and sonochemical treatment. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 645-52	4.2	9
106	Solar light-induced photoelectrocatalytic degradation of bisphenol-A on TiO <sub>2</sub> /ITO film anode and BDD cathode. <i>Catalysis Today</i> , <b>2013</b> , 209, 74-78	5.3	55
105	Electrochemical disinfection of simulated ballast water on conductive diamond electrodes. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 516-523	14.7	73
104	Solar Photocatalytic Degradation of Bisphenol A on Immobilized ZnO or TiO <sub>2</sub> . <i>International Journal of Photoenergy</i> , <b>2013</b> , 2013, 1-9	2.1	24
103	Photoelectrocatalytic disinfection of water and wastewater: performance evaluation by qPCR and culture techniques. <i>Journal of Water and Health</i> , <b>2013</b> , 11, 21-9	2.2	12

102	Sonodegradation of 17 $\beta$ -ethynylestradiol in environmentally relevant matrices: laboratory-scale kinetic studies. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 77-84	8.9	52
101	Degradation, mineralization and antibiotic inactivation of amoxicillin by UV-A/TiO <sub>2</sub> photocatalysis. <i>Journal of Environmental Management</i> , <b>2012</b> , 98, 168-74	7.9	215
100	Anodic oxidation of textile dyehouse effluents on boron-doped diamond electrode. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 207-208, 91-6	12.8	76
99	Reprint of: Electrochemical oxidation of stabilized landfill leachate on DSA electrodes. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 207-208, 73-8	12.8	24
98	Photocatalytic degradation of 17 $\beta$ -ethynylestradiol in environmental samples by ZnO under simulated solar radiation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 1051-1058	3.5	25
97	Kinetic modeling of the electrochemical removal of ammonium and COD from landfill leachates. <i>Journal of Applied Electrochemistry</i> , <b>2012</b> , 42, 779-786	2.6	23
96	Removal of faecal indicator pathogens from waters and wastewaters by photoelectrocatalytic oxidation on TiO <sub>2</sub> /Ti films under simulated solar radiation. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 3782-90	5.1	12
95	Photocatalytic (UV-A/TiO <sub>2</sub> ) degradation of 17 $\beta$ -ethynylestradiol in environmental matrices: Experimental studies and artificial neural network modeling. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 240, 33-41	4.7	65
94	Experimental and Modeling Studies of the Degradation of Estrogen Hormones in Aqueous TiO <sub>2</sub> Suspensions under Simulated Solar Radiation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 16552-16563	3.9	37
93	Mild solar photo-Fenton: An effective tool for the removal of Fusarium from simulated municipal effluents. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 111-112, 545-554	21.8	55
92	Solar photocatalysis for the abatement of emerging micro-contaminants in wastewater: Synthesis, characterization and testing of various TiO <sub>2</sub> samples. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 117-118, 283-291	21.8	51
91	Boron-doped diamond anodic treatment of landfill leachate: evaluation of operating variables and formation of oxidation by-products. <i>Water Research</i> , <b>2011</b> , 45, 828-38	12.5	152
90	Electrochemical enhancement of solar photocatalysis: degradation of endocrine disruptor bisphenol-A on Ti/TiO <sub>2</sub> films. <i>Water Research</i> , <b>2011</b> , 45, 2996-3004	12.5	88
89	Treatment of municipal landfill leachate by catalytic wet air oxidation: Assessment of the role of operating parameters by factorial design. <i>Waste Management</i> , <b>2011</b> , 31, 1833-40	8.6	28
88	Degradation of trinitrophenol by sequential catalytic wet air oxidation and solar TiO <sub>2</sub> photocatalysis. <i>Chemical Engineering Journal</i> , <b>2011</b> , 172, 634-640	14.7	18
87	Fast degradation of estrogen hormones in environmental matrices by photo-Fenton oxidation under simulated solar radiation. <i>Chemical Engineering Journal</i> , <b>2011</b> , 178, 175-182	14.7	50
86	BDD anodic oxidation as tertiary wastewater treatment for the removal of emerging micro-pollutants, pathogens and organic matter. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 1233-1236	3.5	54
85	Management scenarios for olive oil mill waste based on characterization and leaching tests. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 1542-1547	3.5	4



84	Solar light-induced degradation of bisphenol-A with TiO <sub>2</sub> immobilized on Ti. <i>Catalysis Today</i> , <b>2011</b> , 161, 110-114	5.3	41
83	Kinetics of UV-A/TiO <sub>2</sub> photocatalytic degradation and mineralization of the antibiotic sulfamethoxazole in aqueous matrices. <i>Catalysis Today</i> , <b>2011</b> , 161, 163-168	5.3	115
82	Inactivation of <i>Enterococcus faecalis</i> by TiO <sub>2</sub> -mediated UV and solar irradiation in water and wastewater: culture techniques never say the whole truth. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 1744-50	4.2	20
81	Disinfection of water and wastewater by UV-A and UV-C irradiation: application of real-time PCR method. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 389-95	4.2	34
80	Wet oxidation of benzoic acid catalyzed by cupric ions: Key parameters affecting induction period and conversion. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 101, 479-485	21.8	14
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