

# chantal Guillard

## List of Publications by Citations

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176  
papers

9,341  
citations

52  
h-index

90  
g-index

181  
ext. papers

9,989  
ext. citations

9  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
176	Photocatalytic degradation of various types of dyes (Alizarin S, Crocein Orange G, Methyl Red, Congo Red, Methylene Blue) in water by UV-irradiated titania. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 39, 75-90	21.8	1158
175	Influence of chemical structure of dyes, of pH and of inorganic salts on their photocatalytic degradation by TiO <sub>2</sub> comparison of the efficiency of powder and supported TiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2003</b> , 158, 27-36	4.7	388
174	Photocatalytic Degradation of Dyes in Water: Case Study of Indigo and of Indigo Carmine. <i>Journal of Catalysis</i> , <b>2001</b> , 201, 46-59	7.3	370
173	Photocatalytic inactivation of Escherichia coli. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 76, 257-263	21.8	293
172	Heterogeneous photocatalysis : an emerging technology for water treatment. <i>Catalysis Today</i> , <b>1993</b> , 17, 7-20	5.3	259
171	Photocatalytic degradation of the alimentary azo dye amaranth. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 51, 183-194	21.8	215
170	Probing the TiO <sub>2</sub> Photocatalytic Mechanisms in Water Purification by Use of Quinoline, Photo-Fenton Generated OH <sup>•</sup> Radicals and Superoxide Dismutase <sup>•-</sup> <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 2650-2658	3.4	196
169	Environmental green chemistry as defined by photocatalysis. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 146, 624-9	12.8	174
168	Solar efficiency of a new deposited titania photocatalyst: chlorophenol, pesticide and dye removal applications. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 46, 319-332	21.8	163
167	Solar photocatalytic degradation of 4-chlorophenol using the synergistic effect between titania and activated carbon in aqueous suspension. <i>Catalysis Today</i> , <b>1999</b> , 54, 255-265	5.3	161
166	Why inorganic salts decrease the TiO <sub>2</sub> photocatalytic efficiency. <i>International Journal of Photoenergy</i> , <b>2005</b> , 7, 1-9	2.1	146
165	Hydrogenating properties of unsupported transition metal sulphides. <i>Journal of Catalysis</i> , <b>1989</b> , 120, 473-477	7.3	142
164	Comparison of various titania samples of industrial origin in the solar photocatalytic detoxification of water containing 4-chlorophenol. <i>Catalysis Today</i> , <b>1999</b> , 54, 217-228	5.3	128
163	Photocatalysis and disinfection of water: Identification of potential bacterial targets. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 390-398	21.8	124
162	New industrial titania photocatalysts for the solar detoxification of water containing various pollutants. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 35, 281-294	21.8	104
161	Physicochemical properties and photocatalytic activities of TiO <sub>2</sub> -films prepared by sol-gel methods. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 39, 331-342	21.8	104
160	Photocatalytic degradation of pesticide pirimiphos-methyl. <i>Catalysis Today</i> , <b>1999</b> , 54, 353-367	5.3	103

159	Microbiological disinfection of water and air by photocatalysis. <i>Comptes Rendus Chimie</i> , <b>2008</b> , 11, 107-113.	7	102
158	Hydrogen peroxide and photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 106-112	21.8	101
157	Phenol photocatalytic degradation over anisotropic TiO <sub>2</sub> nanomaterials: Kinetic study, adsorption isotherms and formal mechanisms. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 404-414	21.8	100
156	Photocatalytic decolorization of Remazol Black 5 (RB5) and Procion Red MX-5B. Isotherm of adsorption, kinetic of decolorization and mineralization. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 77, 100-109	21.8	97
155	Photocatalytic pollutant removal in water at room temperature: case study of the total degradation of the insecticide fenitrothion (phosphorothioic acid O,O-dimethyl-O-(3-methyl-4-nitro-phenyl) ester). <i>Catalysis Today</i> , <b>1996</b> , 27, 215-220	5.3	95
154	Photocatalytic degradation of sulfonylurea herbicides in aqueous TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 38, 127-137	21.8	93
153	Solar photocatalysis: A green technology for E. coli contaminated water disinfection. Effect of concentration and different types of suspended catalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 276, 31-40	4.7	90
152	Effect of operating parameters on the testing of new industrial titania catalysts at solar pilot plant scale. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 42, 349-357	21.8	90
151	Photocatalytic degradation of aqueous hydroxy-butandioic acid (malic acid) in contact with powdered and supported titania in water. <i>Catalysis Today</i> , <b>1999</b> , 54, 131-141	5.3	86
150	Photocatalytic degradation of polycarboxylic benzoic acids in UV-irradiated aqueous suspensions of titania.. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 24, 71-87	21.8	85
149	Effect of Na content and thermal treatment of titanate nanotubes on the photocatalytic degradation of formic acid. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 401-415	21.8	84
148	Comparative study of photocatalytic and non-photocatalytic reduction of nitrates in water. <i>Applied Catalysis A: General</i> , <b>2009</b> , 368, 1-8	5.1	81
147	Reduced graphene oxide/TiO <sub>2</sub> nanotube composites for formic acid photodegradation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 203-213	21.8	77
146	Degradation of phenyltrifluoromethylketone in water by separate or simultaneous use of TiO <sub>2</sub> photocatalysis and 30 or 515 kHz ultrasound. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 4663-4668	3.6	77
145	C <sub>2</sub> H <sub>2</sub> oxidation by plasma/TiO <sub>2</sub> combination: Influence of the porosity, and photocatalytic mechanisms under plasma exposure. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 80, 296-305	21.8	76
144	Testing the Efficacy and the Potential Effect on Indoor Air Quality of a Transparent Self-Cleaning TiO <sub>2</sub> -Coated Glass through the Degradation of a Fluoranthene Layer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 3878-3885	3.9	75
143	Bactericidal efficiency and mode of action: a comparative study of photochemistry and photocatalysis. <i>Water Research</i> , <b>2012</b> , 46, 3208-18	12.5	73
142	Factors influencing the photocatalytic degradation of sulfonylurea herbicides by TiO <sub>2</sub> aqueous suspension. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2003</b> , 159, 71-79	4.7	72

141	Degradation of palmitic (hexadecanoic) acid deposited on TiO <sub>2</sub> -coated self-cleaning glass: kinetics of disappearance, intermediate products and degradation pathways. <i>New Journal of Chemistry</i> , <b>1999</b> , 23, 365-374	3.6	72
140	Characterization and study of a single-TiO <sub>2</sub> -coated optical fiber reactor. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 52, 213-223	21.8	69
139	Low temperature and aqueous sol-gel deposit of photocatalytic active nanoparticulate TiO <sub>2</sub> . <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 342-346		69
138	One step synthesis of N-doped and Au-loaded TiO <sub>2</sub> nanoparticles by laser pyrolysis: Application in photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 174-175, 367-375	21.8	67
137	Liquid phase processing and thin film deposition of titania nanocrystallites for photocatalytic applications on thermally sensitive substrates. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 3945-3953	4.3	65
136	Kinetics and Products of the TiO <sub>2</sub> Photocatalytic Degradation of Pyridine in Water. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 2176-83	10.3	65
135	Characterization and photocatalytic performance in air of cementitious materials containing TiO <sub>2</sub> . Case study of formaldehyde removal. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 107, 1-8	21.8	63
134	Photocatalytic degradation of acetylene over various titanium dioxide-based photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 61, 58-68	21.8	61
133	Oxidation of acetylene by photocatalysis coupled with dielectric barrier discharge. <i>Catalysis Today</i> , <b>2007</b> , 122, 186-194	5.3	60
132	Kinetics and reactional pathway of Imazapyr photocatalytic degradation Influence of pH and metallic ions. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 65, 11-20	21.8	58
131	Photocatalytic degradation of imazapyr in water: Comparison of activities of different supported and unsupported TiO <sub>2</sub> -based catalyts. <i>Catalysis Today</i> , <b>2005</b> , 101, 211-218	5.3	57
130	Use of catalase and superoxide dismutase to assess the roles of hydrogen peroxide and superoxide in the TiO <sub>2</sub> or ZnO photocatalytic destruction of 1,2-dimethoxybenzene in water. <i>Research on Chemical Intermediates</i> , <b>1994</b> , 20, 579-594	2.8	57
129	Photocatalytic degradation of diuron in aqueous solution in presence of two industrial titania catalysts, either as suspended powders or deposited on flexible industrial photoresistant papers. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 65, 70-76	21.8	56
128	Transparent photocatalytic films deposited on polymer substrates from sol-gel processed titania sols. <i>Thin Solid Films</i> , <b>2003</b> , 429, 13-21	2.2	54
127	Assessment of the importance of the role of H <sub>2</sub> O <sub>2</sub> and O <sub>2</sub> on the photocatalytic degradation of 1,2-dimethoxybenzene. <i>Solar Energy Materials and Solar Cells</i> , <b>1995</b> , 38, 391-399	6.4	54
126	Size effects in liquid-phase photo-oxidation of phenol using nanometer-sized TiO <sub>2</sub> catalysts. <i>Applied Surface Science</i> , <b>2008</b> , 255, 2704-2709	6.7	53
125	Malic acid photocatalytic degradation using a TiO <sub>2</sub> -coated optical fiber reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 190, 135-140	4.7	52
124	Physical properties and photocatalytic efficiencies of TiO <sub>2</sub> films prepared by PECVD and sol-gel methods. <i>Materials Research Bulletin</i> , <b>2004</b> , 39, 1445-1458	5.1	51

123	Photocatalytic degradation of pesticide acaricide formetanate in aqueous suspension of TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 34, 241-252	21.8	51
122	Photocatalytic degradation mechanism for heterocyclic derivatives of triazolidine and triazole. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 149, 155-168	4.7	50
121	Photocatalytic degradation of a sulfonylurea herbicide over pure and tin-doped TiO <sub>2</sub> photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2005</b> , 173, 13-20	4.7	49
120	Dynamic of the plasma current amplitude in a barrier discharge: influence of photocatalytic material. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 2964-2972	3	47
119	Photocatalysed degradation of cyromazine in aqueous titanium dioxide suspensions: comparison with photolysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2001</b> , 141, 79-84	4.7	47
118	Methylamine and dimethylamine photocatalytic degradation Adsorption isotherms and kinetics. <i>Applied Catalysis A: General</i> , <b>2011</b> , 402, 201-207	5.1	45
117	The role of lanthanum in the enhancement of photocatalytic properties of TiO <sub>2</sub> nanomaterials obtained by calcination of hydrogenotitanate nanotubes. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 651-660	21.8	44
116	Acetylene photocatalytic oxidation using continuous flow reactor: Gas phase and adsorbed phase investigation, assessment of the photocatalyst deactivation. <i>Chemical Engineering Journal</i> , <b>2014</b> , 244, 50-58	14.7	44
115	Influence of water vapour on plasma/photocatalytic oxidation efficiency of acetylene. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 84, 813-820	21.8	44
114	Photocatalytic degradation of anionic and cationic dyes over TiO <sub>2</sub> P25, and Ti-pillared clays and Ag-doped Ti-pillared clays. <i>Applied Clay Science</i> , <b>2014</b> , 95, 205-210	5.2	42
113	Photocatalytic degradation of a mixture of two anionic dyes: Procion Red MX-5B and Remazol Black 5 (RB5). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 212, 107-112	4.7	41
112	Photocatalytic degradation of imidazolinone fungicide in TiO <sub>2</sub> -coated optical fiber reactor. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 62, 274-281	21.8	39
111	Fabrication, characterization and photocatalytic activity of TiO <sub>2</sub> layers prepared by inkjet printing of stabilized nanocrystalline suspensions. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 84-94	21.8	38
110	Microfibrous TiO <sub>2</sub> supported photocatalysts prepared by metal-organic chemical vapor infiltration for indoor air and waste water purification. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 91, 225-233	21.8	38
109	Photocatalytic degradation of butanoic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2000</b> , 135, 65-75	4.7	38
108	Laboratory study of the rates and products of the phototransformations of naphthalene adsorbed on samples of titanium dioxide, ferric oxide, muscovite, and fly ash. <i>Journal of Atmospheric Chemistry</i> , <b>1993</b> , 16, 47-59	3.2	38
107	Mechanically stable and photocatalytically active TiO <sub>2</sub> /SiO <sub>2</sub> hybrid films on flexible organic substrates. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20096-20104	13	37
106	Characterization of a new photocatalytic textile for formaldehyde removal from indoor air. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 128, 171-178	21.8	37

105	Optimization of a single TiO <sub>2</sub> -coated optical fiber reactor using experimental design. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 168, 161-167	4.7	37
104	Correlation between the photocatalytic degradability over TiO <sub>2</sub> in water of meta and para substituted methoxybenzenes and their electron density, hydrophobicity and polarizability properties. <i>Water Research</i> , <b>1996</b> , 30, 1137-1142	12.5	37
103	Water disinfection using photosensitizers supported on silica. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 219, 101-108	4.7	36
102	TiO <sub>2</sub> photocatalytic degradation of haloquinolines in water: Aromatic products GM-MS identification. Role of electron transfer and superoxide. <i>Research on Chemical Intermediates</i> , <b>2000</b> , 26, 221-234	2.8	36
101	Comparative effects of the TiO <sub>2</sub> -UV, H <sub>2</sub> O <sub>2</sub> -UV, H <sub>2</sub> O <sub>2</sub> -Fe <sup>2+</sup> systems on the disappearance rate of benzamide and 4-hydroxybenzamide in water. <i>Chemosphere</i> , <b>1992</b> , 24, 1085-1094	8.4	35
100	Design of TiO <sub>2</sub> nanorods and nanotubes doped with lanthanum and comparative kinetic study in the photodegradation of formic acid. <i>Catalysis Communications</i> , <b>2015</b> , 61, 107-111	3.2	34
99	Degradation processes of organic compounds over UV-irradiated TiO <sub>2</sub> . Effect of ozone. <i>Research on Chemical Intermediates</i> , <b>2000</b> , 26, 161-170	2.8	34
98	Degradation of C <sub>2</sub> H <sub>2</sub> with modified-TiO <sub>2</sub> photocatalysts under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2008</b> , 284, 127-133		32
97	Effect of Ag <sup>+</sup> reduction on the photocatalytic activity of Ag-doped TiO <sub>2</sub> . <i>Superlattices and Microstructures</i> , <b>2017</b> , 109, 511-518	2.8	31
96	Highly photocatalytic activity of nanocrystalline TiO <sub>2</sub> (anatase, rutile) powders prepared from TiCl <sub>4</sub> by sol-gel method in aqueous solutions.. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 113, 109-121	5.5	31
95	Impact of photocatalysis on fungal cells: depiction of cellular and molecular effects on <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 7527-35	4.8	31
94	Kinetic of adsorption and of photocatalytic degradation of phenylalanine effect of pH and light intensity. <i>Applied Catalysis A: General</i> , <b>2010</b> , 380, 142-148	5.1	31
93	Photocatalytic degradation of diuron: experimental analyses and simulation of HO degrees radical attacks by density functional theory calculations. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 6365-74	2.8	30
92	Photocatalytic degradation and mineralization of a malodorous compound (dimethyldisulfide) using a continuous flow reactor. <i>Catalysis Today</i> , <b>2007</b> , 122, 160-167	5.3	29
91	Characterization of self-cleaning glasses using Langmuir-Blodgett technique to control thickness of stearic acid multilayers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 197, 170-176	4.7	29
90	Design of TiO <sub>2</sub> nanomaterials for the photodegradation of formic acid Adsorption isotherms and kinetics study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 279, 8-16	4.7	28
89	Photocatalysis on yeast cells: Toward targets and mechanisms. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 169-178	21.8	28
88	Removal of herbicide diuron and thermal degradation products under Catalytic Wet Air Oxidation conditions. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 91, 275-283	21.8	28

87	Preparation, characterization and catalytic properties of unsupported vanadium sulphides. <i>Catalysis Today</i> , <b>1990</b> , 7, 587-600	5.3	28
86	From the fundamentals of photocatalysis to its applications in environment protection and in solar purification of water in arid countries. <i>Research on Chemical Intermediates</i> , <b>2005</b> , 31, 449-461	2.8	27
85	Photocatalytic Degradation Enhancement in Pickering Emulsions Stabilized by Solid Particles of Bare TiO. <i>Langmuir</i> , <b>2019</b> , 35, 2129-2136	4	26
84	Precursor-mediated synthesis of CuSe nanoparticles and their composites with TiO for improved photocatalysis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 8897-8905	4.3	26
83	Impact of rutile and anatase phase on the photocatalytic decomposition of lactic acid. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 253, 96-104	21.8	25
82	Effect of cerium content and post-thermal treatment on doped anisotropic TiO <sub>2</sub> nanomaterials and kinetic study of the photodegradation of formic acid. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 409, 162-170		25
81	Kinetics and initial photocatalytic pathway of tryptophan, important constituent of microorganisms. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 94, 192-199	21.8	25
80	Photocatalyst activation in a pulsed low pressure discharge. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 221501	3.4	25
79	Survival of bioaerosols in HVAC system photocatalytic filters. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 654-664	21.8	24
78	Antibacterial effects of photocatalytic textiles for footwear application. <i>Catalysis Today</i> , <b>2014</b> , 230, 41-46	5.3	23
77	Photocatalytic degradation of p-halophenols in TiO <sub>2</sub> aqueous suspensions: halogen effect on removal rate, aromatic intermediates and toxicity variations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2006</b> , 41, 1009-25	2.3	23
76	Zn-Assisted TiO <sub>2</sub> Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17068-17076	3.8	22
75	Photocatalytic activity of TiO <sub>2</sub> films immobilized on aluminum foam by atomic layer deposition technique. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 328, 16-23	4.7	22
74	TiO <sub>2</sub> /SiO <sub>2</sub> porous composite thin films: Role of TiO <sub>2</sub> areal loading and modification with gold nanospheres on the photocatalytic activity. <i>Applied Surface Science</i> , <b>2016</b> , 383, 367-374	6.7	21
73	Water treatment by TiO <sub>2</sub> photocatalysis and/or ultrasound: degradations of phenyltrifluoromethylketone, a trifluoroacetic-acid-forming pollutant, and octan-1-ol, a very hydrophobic pollutant. <i>Water Science and Technology</i> , <b>2001</b> , 44, 263-270	2.2	21
72	Influence of reduced graphene oxide on the synergism between rutile and anatase TiO <sub>2</sub> particles in photocatalytic degradation of formic acid. <i>Molecular Catalysis</i> , <b>2017</b> , 432, 125-130	3.3	20
71	Enhanced photocatalytic activity through insertion of plasmonic nanostructures into porous TiO <sub>2</sub> /SiO <sub>2</sub> hybrid composite films. <i>Journal of Catalysis</i> , <b>2016</b> , 342, 117-124	7.3	20
70	H <sub>2</sub> O <sub>2</sub> and/or photocatalysis under UV-C irradiation for the removal of EDTA, a chelating agent present in nuclear waste waters. <i>Applied Catalysis A: General</i> , <b>2014</b> , 488, 103-110	5.1	20

69	Photocatalytic efficiencies of self-cleaning glasses. Influence of physical factors. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 1040-6	4.2	20
68	A Facile Molecular Precursor-based Synthesis of Ag <sub>2</sub> Se Nanoparticles and Its Composites with TiO <sub>2</sub> for Enhanced Photocatalytic Activity. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1658-63	4.5	19
67	Effects of methanol, formamide, acetone and acetate ions on phenol disappearance rate and aromatic products in UV-irradiated TiO <sub>2</sub> aqueous suspensions. <i>Chemosphere</i> , <b>1997</b> , 35, 819-826	8.4	19
66	Photocatalytic degradation of pesticides in agricultural used waters. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , <b>2000</b> , 3, 417-422		19
65	Adsorption and photocatalytic degradation of cysteine in presence of TiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 246, 1-7	4.7	18
64	Degradation mechanism of t-butyl methyl ether (MTBE) in atmospheric droplets. <i>Chemosphere</i> , <b>2003</b> , 53, 469-77	8.4	18
63	The GC-MS identification of some aliphatic intermediates from the TiO <sub>2</sub> photocatalytic degradation of dimethoxybenzenes in water. <i>Research on Chemical Intermediates</i> , <b>1995</b> , 21, 33-46	2.8	18
62	Inactivation of <i>Aspergillus niger</i> spores from indoor air by photocatalytic filters. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 134-135, 167-173	21.8	17
61	Intermediate products and reductive reaction pathways in the TiO <sub>2</sub> photocatalytic degradation of 1,1,1-trichloroethane in water. <i>Research on Chemical Intermediates</i> , <b>1997</b> , 23, 275-290	2.8	17
60	Solar purification and potabilization of water containing dyes. <i>Research on Chemical Intermediates</i> , <b>2007</b> , 33, 421-431	2.8	17
59	Evaluation of 1-octanol degradation by photocatalysis and ultrasound using SPME. <i>Water Research</i> , <b>2002</b> , 36, 4263-72	12.5	17
58	Kinetics and mechanism of the photocatalytic degradation of acetic acid in absence or presence of O <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 339, 80-88	4.7	16
57	Synthesis of Hydrogen Peroxide Using Dielectric Barrier Discharge Associated with Fibrous Materials. <i>Plasma Chemistry and Plasma Processing</i> , <b>2010</b> , 30, 489-502	3.6	16
56	Phototransformations of solid pentachlorophenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1998</b> , 119, 137-142	4.7	16
55	Fate of nitrogen atoms in the photocatalytic degradation of industrial (congo red) and alimentary (amaranth) azo dyes. Evidence for mineralization into gaseous dinitrogen. <i>International Journal of Photoenergy</i> , <b>2003</b> , 5, 51-58	2.1	16
54	Kinetics and products of the photocatalytic degradation of morpholine (tetrahydro-2H-1,4-oxazine) in TiO <sub>2</sub> aqueous suspensions. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1995</b> , 91, 1853		16
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