

chantal Guillard

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.

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	Hydrothermal process assisted by photocatalysis: Towards a novel hybrid mechanism driven glucose valorization to levulinic acid, ethylene and hydrogen. <i>Applied Catalysis B: Environmental</i> , 2022 , 305, 121051	21.8	0
175	Coupling of photocatalysis and catalysis using an optical fiber textile for room temperature depollution.. <i>Chemosphere</i> , 2022 , 133940	8.4	
174	Impact of structural defects on the photocatalytic properties of ZnO. <i>Journal of Hazardous Materials Advances</i> , 2022 , 6, 100081		0
173	High photocatalytic activity of aerogel tetragonal and monoclinic ZrO ₂ samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 430, 113970	4.7	1
172	Carbon Nitride Quantum Dots Modified TiO ₂ Inverse Opal Photonic Crystal for Solving Indoor VOCs Pollution. <i>Catalysts</i> , 2021 , 11, 464	4	3
171	Visible-Light Enhanced Catalytic Wet Peroxide Oxidation of Natural Organic Matter in the Presence of Al/Fe-Pillared Clay. <i>Catalysts</i> , 2021 , 11, 637	4	0
170	Comparison of hydrothermal and photocatalytic conversion of glucose with commercial TiO ₂ : Superficial properties-activities relationships. <i>Catalysis Today</i> , 2021 , 367, 268-277	5.3	5
169	Glyceraldehyde production by photocatalytic oxidation of glycerol on WO ₃ -based materials. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120616	21.8	2
168	Pickering Emulsions of Fluorinated TiO: A New Route for Intensification of Photocatalytic Degradation of Nitrobenzene. <i>Langmuir</i> , 2020 , 36, 13545-13554	4	10
167	Surface and Electronic Features of Fluorinated TiO ₂ and Their Influence on the Photocatalytic Degradation of 1-Methylnaphthalene. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11456-11468	3.8	14
166	Room-temperature conversion of CuSe to CuAgSe nanoparticles to enhance the photocatalytic performance of their composites with TiO. <i>Dalton Transactions</i> , 2020 , 49, 3580-3591	4.3	9
165	Influence of graphene and copper on the photocatalytic response of TiO ₂ nanotubes. <i>Materials Science in Semiconductor Processing</i> , 2020 , 107, 104847	4.3	9
164	Impact of H ₂ O ₂ on the Lactic and Formic Acid Degradation in Presence of TiO ₂ Rutile and Anatase Phases under UV and Visible Light. <i>Catalysts</i> , 2020 , 10, 1131	4	4
163	Photocatalytic Degradation Enhancement in Pickering Emulsions Stabilized by Solid Particles of Bare TiO. <i>Langmuir</i> , 2019 , 35, 2129-2136	4	26
162	Impact of rutile and anatase phase on the photocatalytic decomposition of lactic acid. <i>Applied Catalysis B: Environmental</i> , 2019 , 253, 96-104	21.8	25
161	g-C ₃ N ₄ quantum dots-modified mesoporous TiO ₂ /BiO ₂ for enhanced photocatalysis. <i>Research on Chemical Intermediates</i> , 2019 , 45, 4237-4247	2.8	12
160	Size and shape effect on the photocatalytic efficiency of TiO ₂ brookite. <i>Journal of Materials Science</i> , 2019 , 54, 1213-1225	4.3	13

159	Understanding the photocatalytic degradation by P25 TiO ₂ of acetic acid and propionic acid in the pursuit of alkane production. <i>Applied Catalysis A: General</i> , 2018 , 554, 35-43	5.1	13
158	Photocatalytic activity of titania deposited on luminous textiles for water treatment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 361, 67-75	4.7	9
157	Influenza viruses production: Evaluation of a novel avian cell line DuckCelt [®] -T17. <i>Vaccine</i> , 2018 , 36, 3104-3111	4.3	9
156	Highly photocatalytic activity of nanocrystalline TiO ₂ (anatase, rutile) powders prepared from TiCl ₄ by sol-gel method in aqueous solutions.. <i>Chemical Engineering Research and Design</i> , 2018 , 113, 109-121	5.5	31
155	UV-a photocatalytic degradation of the radionuclide complexants tributylphosphate and dibutylphosphate. <i>Chemical Engineering Journal</i> , 2018 , 352, 143-150	14.7	3
154	Precursor-mediated synthesis of CuSe nanoparticles and their composites with TiO ₂ for improved photocatalysis. <i>Dalton Transactions</i> , 2018 , 47, 8897-8905	4.3	26
153	Photocatalytic Selectivities of Ethane, Methane and Dimethylether Controlled by Reaction Conditions and TiO ₂ Structure in the Degradation of Acetic Acid. <i>ChemistrySelect</i> , 2018 , 3, 12773-12781	1.8	3
152	Reduced graphene oxide/TiO ₂ nanotube composites for formic acid photodegradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 203-213	21.8	77
151	Kinetics and mechanism of the photocatalytic degradation of acetic acid in absence or presence of O ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 339, 80-88	4.7	16
150	Does water in synthesized TiO ₂ have an effect on the photocatalytic activity? Towards a spectacular response. <i>Materials Letters</i> , 2017 , 204, 188-191	3.3	2
149	Effect of Ag ⁺ reduction on the photocatalytic activity of Ag-doped TiO ₂ . <i>Superlattices and Microstructures</i> , 2017 , 109, 511-518	2.8	31
148	Influence of reduced graphene oxide on the synergism between rutile and anatase TiO ₂ particles in photocatalytic degradation of formic acid. <i>Molecular Catalysis</i> , 2017 , 432, 125-130	3.3	20
147	Titanium dioxide nanotubes/polyhydroxyfullerene composites for formic acid photodegradation. <i>Applied Surface Science</i> , 2017 , 412, 306-318	6.7	8
146	Laser synthesized TiO ₂ -based nanoparticles and their efficiency in the photocatalytic degradation of linear carboxylic acids. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 805-815	7.1	6
145	Zn-Assisted TiO ₂ Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17068-17076	3.8	22
144	Photochemical oxidation of styrene in acetonitrile solution in presence of H ₂ O ₂ , TiO ₂ /H ₂ O ₂ and ZnO/H ₂ O ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 462-469	4.7	15
143	Bipyramidal anatase TiO ₂ nanoparticles, a highly efficient photocatalyst? Towards a better understanding of the reactivity. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 324-334	21.8	14
142	The role of lanthanum in the enhancement of photocatalytic properties of TiO ₂ nanomaterials obtained by calcination of hydrogenotitanate nanotubes. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 651-660	21.8	44

141	Enhanced photocatalytic activity through insertion of plasmonic nanostructures into porous TiO ₂ /SiO ₂ hybrid composite films. <i>Journal of Catalysis</i> , 2016 , 342, 117-124	7.3	20
140	A Facile Molecular Precursor-based Synthesis of Ag ₂ Se Nanoparticles and Its Composites with TiO ₂ for Enhanced Photocatalytic Activity. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1658-63	4.5	19
139	TiO ₂ /SiO ₂ porous composite thin films: Role of TiO ₂ areal loading and modification with gold nanospheres on the photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 383, 367-374	6.7	21
138	Hydrogen peroxide and photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 106-112	21.8	101
137	Modelling of UV optical ageing of optical fibre fabric coated with TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 229-235	21.8	13
136	Photocatalytic activity of TiO ₂ films immobilized on aluminum foam by atomic layer deposition technique. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 328, 16-23	4.7	22
135	Hybrid sol-gel porous nanocomposites as efficient photocatalytic coatings: Insights in the structure/reactivity relationships. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 472-479	21.8	4
134	One step synthesis of N-doped and Au-loaded TiO ₂ nanoparticles by laser pyrolysis: Application in photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2015 , 174-175, 367-375	21.8	67
133	Effect of cerium content and post-thermal treatment on doped anisotropic TiO ₂ nanomaterials and kinetic study of the photodegradation of formic acid. <i>Journal of Molecular Catalysis A</i> , 2015 , 409, 162-170		25
132	Kinetics and mechanism of thymine degradation by TiO ₂ photocatalysis. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1818-1824	11.3	4
131	Degradation of a cobalt(II)EDTA complex by photocatalysis and H ₂ O ₂ /UV-C. Application to nuclear wastes containing ⁶⁰ Co. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015 , 303, 131-137	1.5	14
130	Phenol photocatalytic degradation over anisotropic TiO ₂ nanomaterials: Kinetic study, adsorption isotherms and formal mechanisms. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 404-414	21.8	100
129	Design of La ³⁺ /TiO ₂ Nanocomposites: Study of the Effect of Lanthanum and Fullerenol Addition Order onto TiO ₂ . Application for the Photocatalytic Degradation of Formic Acid. <i>Chemistry Letters</i> , 2015 , 44, 1774-1776	1.7	4
128	Design of TiO ₂ nanorods and nanotubes doped with lanthanum and comparative kinetic study in the photodegradation of formic acid. <i>Catalysis Communications</i> , 2015 , 61, 107-111	3.2	34
127	Antibacterial effects of photocatalytic textiles for footwear application. <i>Catalysis Today</i> , 2014 , 230, 41-46	4.3	23
126	Design of TiO ₂ nanomaterials for the photodegradation of formic acid [Adsorption isotherms and kinetics study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 279, 8-16	4.7	28
125	Titania-based photocatalytic degradation of two nucleotide bases, cytosine and uracil. <i>Applied Catalysis A: General</i> , 2014 , 485, 207-213	5.1	6
124	H ₂ O ₂ 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> , 2014 , 488, 103-110	5.1	20

123	Photocatalytic degradation of anionic and cationic dyes over TiO ₂ P25, and Ti-pillared clays and Ag-doped Ti-pillared clays. <i>Applied Clay Science</i> , 2014 , 95, 205-210	5.2	42
122	Survival of bioaerosols in HVAC system photocatalytic filters. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 654-664	21.8	24
121	Acetylene photocatalytic oxidation using continuous flow reactor: Gas phase and adsorbed phase investigation, assessment of the photocatalyst deactivation. <i>Chemical Engineering Journal</i> , 2014 , 244, 50-58	14.7	44
120	Mechanically stable and photocatalytically active TiO ₂ /SiO ₂ hybrid films on flexible organic substrates. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20096-20104	13	37
119	Impact of photocatalysis on fungal cells: depiction of cellular and molecular effects on <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7527-35	4.8	31
118	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> , 2014 , 276, 31-40	4.7	90
117	Photocatalysis on yeast cells: Toward targets and mechanisms. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 169-178	21.8	28
116	Kinetics of the photocatalytic degradation of methylamine: Influence of pH and UV-A/UV-B radiant fluxes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 255, 50-57	4.7	14
115	Effect of Na content and thermal treatment of titanate nanotubes on the photocatalytic degradation of formic acid. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 401-415	21.8	84
114	Solar photocatalytic inactivation of <i>Fusarium Solani</i> over TiO ₂ nanomaterials with controlled morphology. Formic acid effect. <i>Catalysis Today</i> , 2013 , 209, 147-152	5.3	14
113	Inactivation of <i>Aspergillus niger</i> spores from indoor air by photocatalytic filters. <i>Applied Catalysis B: Environmental</i> , 2013 , 134-135, 167-173	21.8	17
112	Fabrication, characterization and photocatalytic activity of TiO ₂ layers prepared by inkjet printing of stabilized nanocrystalline suspensions. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 84-94	21.8	38
111	Bactericidal efficiency and mode of action: a comparative study of photochemistry and photocatalysis. <i>Water Research</i> , 2012 , 46, 3208-18	12.5	73
110	Characterization of a new photocatalytic textile for formaldehyde removal from indoor air. <i>Applied Catalysis B: Environmental</i> , 2012 , 128, 171-178	21.8	37
109	Adsorption and photocatalytic degradation of cysteine in presence of TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 246, 1-7	4.7	18
108	Synthesis Design of TiO ₂ Nanotubes and Nanowires and Photocatalytic Applications in the Degradation of Organic Pollutants in the Presence or not of Microorganisms. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1442, 13		1
107	Photocatalysis and disinfection of water: Identification of potential bacterial targets. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 390-398	21.8	124
106	Methylamine and dimethylamine photocatalytic degradation. Adsorption isotherms and kinetics. <i>Applied Catalysis A: General</i> , 2011 , 402, 201-207	5.1	45

105	Characterization and photocatalytic performance in air of cementitious materials containing TiO ₂ . Case study of formaldehyde removal. <i>Applied Catalysis B: Environmental</i> , 2011 , 107, 1-8	21.8	63
104	Water disinfection using photosensitizers supported on silica. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 219, 101-108	4.7	36
103	Effect of Oxygen and Water in the CO Photocatalytic Oxidation with TiO ₂ . <i>Advanced Materials Research</i> , 2011 , 324, 149-152	0.5	
102	Comparison of initial photocatalytic degradation pathway of aromatic and linear amino acids. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 1417-22	2.6	8
101	Epoxidation of olefins on photoirradiated TiO ₂ -pillared clays. <i>Applied Clay Science</i> , 2010 , 48, 431-437	5.2	13
100	Synthesis of Hydrogen Peroxide Using Dielectric Barrier Discharge Associated with Fibrous Materials. <i>Plasma Chemistry and Plasma Processing</i> , 2010 , 30, 489-502	3.6	16
99	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> , 2010 , 212, 107-112	4.7	41
98	Kinetic of adsorption and of photocatalytic degradation of phenylalanine effect of pH and light intensity. <i>Applied Catalysis A: General</i> , 2010 , 380, 142-148	5.1	31
97	Kinetics and initial photocatalytic pathway of tryptophan, important constituent of microorganisms. <i>Applied Catalysis B: Environmental</i> , 2010 , 94, 192-199	21.8	25
96	Coupling process between solid-liquid extraction of amino acids by calixarenes and photocatalytic degradation. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1195-200	12.8	13
95	Comparative study of photocatalytic and non-photocatalytic reduction of nitrates in water. <i>Applied Catalysis A: General</i> , 2009 , 368, 1-8	5.1	81
94	Microfibrous TiO ₂ supported photocatalysts prepared by metal-organic chemical vapor infiltration for indoor air and waste water purification. <i>Applied Catalysis B: Environmental</i> , 2009 , 91, 225-233	21.8	38
93	Removal of herbicide diuron and thermal degradation products under Catalytic Wet Air Oxidation conditions. <i>Applied Catalysis B: Environmental</i> , 2009 , 91, 275-283	21.8	28
92	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> , 2009 , 113, 6365-74	2.8	30
91	Improvement of Photocatalytic Degradation Activity of Visible-Light-Responsive TiO ₂ by Aid of Ultraviolet-Light Pretreatment. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5535-5540	3.8	15
90	Photocatalytic efficiencies of self-cleaning glasses. Influence of physical factors. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1040-6	4.2	20
89	Photocatalytic Inactivation of Wild and Hyper-Adherent E. Coli Strains in Presence of Suspended or Supported TiO ₂ . Influence of the Isoelectric Point of the Particle Size and of the Adsorptive Properties of Titania. <i>Journal of Advanced Oxidation Technologies</i> , 2008 , 11,		12
88	Microbiological disinfection of water and air by photocatalysis. <i>Comptes Rendus Chimie</i> , 2008 , 11, 107-113.7		102

87	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> , 2008 , 197, 170-176	4.7	29
86	Influence of water vapour on plasma/photocatalytic oxidation efficiency of acetylene. <i>Applied Catalysis B: Environmental</i> , 2008 , 84, 813-820	21.8	44
85	Size effects in liquid-phase photo-oxidation of phenol using nanometer-sized TiO ₂ catalysts. <i>Applied Surface Science</i> , 2008 , 255, 2704-2709	6.7	53
84	C ₂ H ₂ oxidation by plasma/TiO ₂ combination: Influence of the porosity, and photocatalytic mechanisms under plasma exposure. <i>Applied Catalysis B: Environmental</i> , 2008 , 80, 296-305	21.8	76
83	Elaboration of hybrid organic/inorganic materials for ammonium ions retention: Electron microscopy bipolarized observations and ¹²⁹ Xe solid-state NMR. <i>Materials Science and Engineering C</i> , 2008 , 28, 977-984	8.3	1
82	Degradation of C ₂ H ₂ with modified-TiO ₂ photocatalysts under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2008 , 284, 127-133		32
81	Solar purification and potabilization of water containing dyes. <i>Research on Chemical Intermediates</i> , 2007 , 33, 421-431	2.8	17
80	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> , 2007 , 77, 100-109	21.8	97
79	Photocatalytic degradation and mineralization of a malodorous compound (dimethyldisulfide) using a continuous flow reactor. <i>Catalysis Today</i> , 2007 , 122, 160-167	5.3	29
78	Photocatalytic inactivation of <i>Escherichia coli</i> . <i>Applied Catalysis B: Environmental</i> , 2007 , 76, 257-263	21.8	293
77	Malic acid photocatalytic degradation using a TiO ₂ -coated optical fiber reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 190, 135-140	4.7	52
76	Environmental green chemistry as defined by photocatalysis. <i>Journal of Hazardous Materials</i> , 2007 , 146, 624-9	12.8	174
75	Oxidation of acetylene by photocatalysis coupled with dielectric barrier discharge. <i>Catalysis Today</i> , 2007 , 122, 186-194	5.3	60
74	Photocatalytic degradation of imidazolinone fungicide in TiO ₂ -coated optical fiber reactor. <i>Applied Catalysis B: Environmental</i> , 2006 , 62, 274-281	21.8	39
73	Kinetics and reactional pathway of Imazapyr photocatalytic degradation Influence of pH and metallic ions. <i>Applied Catalysis B: Environmental</i> , 2006 , 65, 11-20	21.8	58
72	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> , 2006 , 65, 70-76	21.8	56
71	Preparations of nano-particles, nano-composites and fibers of ZnO from an amide precursor: Photocatalytic decomposition of (CH ₃) ₂ S ₂ in a continuous flow reactor. <i>Materials Research Bulletin</i> , 2006 , 41, 2210-2218	5.1	12
70	Photocatalytic degradation of p-halophenols in TiO ₂ 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> , 2006 , 41, 1009-25	2.3	23

69	Dynamic of the plasma current amplitude in a barrier discharge: influence of photocatalytic material. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 2964-2972	3	47
68	Removal of Monochloroacetic Acid in Water by Advanced Oxidation Based on Ozonation in the Presence of TiO ₂ Irradiated at λ 340 nm. <i>Ozone: Science and Engineering</i> , 2005 , 27, 311-316	2.4	14
67	Photocatalytic degradation of a sulfonylurea herbicide over pure and tin-doped TiO ₂ photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 173, 13-20	4.7	49
66	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> , 2005 , 31, 449-461	2.8	27
65	Photocatalytic degradation of acetylene over various titanium dioxide-based photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2005 , 61, 58-68	21.8	61
64	Photocatalytic degradation of imazapyr in water: Comparison of activities of different supported and unsupported TiO ₂ -based catalysts. <i>Catalysis Today</i> , 2005 , 101, 211-218	5.3	57
63	Why inorganic salts decrease the TiO ₂ photocatalytic efficiency. <i>International Journal of Photoenergy</i> , 2005 , 7, 1-9	2.1	146
62	Photocatalyst activation in a pulsed low pressure discharge. <i>Applied Physics Letters</i> , 2005 , 87, 221501	3.4	25
61	Physical properties and photocatalytic efficiencies of TiO ₂ films prepared by PECVD and sol-gel methods. <i>Materials Research Bulletin</i> , 2004 , 39, 1445-1458	5.1	51
60	Photocatalytic degradation of the alimentary azo dye amaranth. <i>Applied Catalysis B: Environmental</i> , 2004 , 51, 183-194	21.8	215
59	Characterization and study of a single-TiO ₂ -coated optical fiber reactor. <i>Applied Catalysis B: Environmental</i> , 2004 , 52, 213-223	21.8	69
58	Optimization of a single TiO ₂ -coated optical fiber reactor using experimental design. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 168, 161-167	4.7	37
57	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> , 2003 , 5, 51-58	2.1	16
56	Liquid phase processing and thin film deposition of titania nanocrystallites for photocatalytic applications on thermally sensitive substrates. <i>Journal of Materials Science</i> , 2003 , 38, 3945-3953	4.3	65
55	Photocatalytic degradation of the herbicide cinosulfuron in aqueous TiO ₂ suspension. <i>Environmental Chemistry Letters</i> , 2003 , 1, 62-67	13.3	12
54	Effect of operating parameters on the testing of new industrial titania catalysts at solar pilot plant scale. <i>Applied Catalysis B: Environmental</i> , 2003 , 42, 349-357	21.8	90
53	Solar efficiency of a new deposited titania photocatalyst: chlorophenol, pesticide and dye removal applications. <i>Applied Catalysis B: Environmental</i> , 2003 , 46, 319-332	21.8	163
52	Influence of chemical structure of dyes, of pH and of inorganic salts on their photocatalytic degradation by TiO ₂ comparison of the efficiency of powder and supported TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 158, 27-36	4.7	388

51	Factors influencing the photocatalytic degradation of sulfonylurea herbicides by TiO ₂ aqueous suspension. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 159, 71-79	4.7	72
50	Transparent photocatalytic films deposited on polymer substrates from sol-gel processed titania sols. <i>Thin Solid Films</i> , 2003 , 429, 13-21	2.2	54
49	Degradation mechanism of t-butyl methyl ether (MTBE) in atmospheric droplets. <i>Chemosphere</i> , 2003 , 53, 469-77	8.4	18
48	Low temperature and aqueous sol-gel deposit of photocatalytic active nanoparticulate TiO ₂ . <i>Journal of Materials Chemistry</i> , 2003 , 13, 342-346		69
47	New industrial titania photocatalysts for the solar detoxification of water containing various pollutants. <i>Applied Catalysis B: Environmental</i> , 2002 , 35, 281-294	21.8	104
46	Photocatalytic degradation of sulfonylurea herbicides in aqueous TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2002 , 38, 127-137	21.8	93
45	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> , 2002 , 39, 75-90	21.8	1158
44	Physicochemical properties and photocatalytic activities of TiO ₂ -films prepared by sol-gel methods. <i>Applied Catalysis B: Environmental</i> , 2002 , 39, 331-342	21.8	104
43	Photocatalytic degradation mechanism for heterocyclic derivatives of triazolidine and triazole. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 149, 155-168	4.7	50
42	Photocatalytic synthesis of thio-organic compounds: case study of propan-1-thiol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002 , 152, 147-153	4.7	14
41	Degradation pathway of dicyclanil in water in the presence of titanium dioxide. Comparison with photolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 5115-20	5.7	10
40	Evaluation of 1-octanol degradation by photocatalysis and ultrasound using SPME. <i>Water Research</i> , 2002 , 36, 4263-72	12.5	17
39	Photocatalysed degradation of cyromazine in aqueous titanium dioxide suspensions: comparison with photolysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001 , 141, 79-84	4.7	47
38	Photocatalytic Degradation of Dyes in Water: Case Study of Indigo and of Indigo Carmine. <i>Journal of Catalysis</i> , 2001 , 201, 46-59	7.3	370
37	Photocatalytic degradation of pesticide-carbicide formetanate in aqueous suspension of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2001 , 34, 241-252	21.8	51
36	Water treatment by TiO ₂ 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> , 2001 , 44, 263-270	2.2	21
35	Photocatalytic degradation of pesticides in agricultural used waters. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2000 , 3, 417-422		19
34	Photocatalytic degradation of butanoic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000 , 135, 65-75	4.7	38

33	Photocatalytic degradation of polycarboxylic benzoic acids in UV-irradiated aqueous suspensions of titania.. <i>Applied Catalysis B: Environmental</i> , 2000 , 24, 71-87	21.8	85
32	Degradation processes of organic compounds over UV-irradiated TiO ₂ . Effect of ozone. <i>Research on Chemical Intermediates</i> , 2000 , 26, 161-170	2.8	34
31	TiO ₂ photocatalytic degradation of haloquinolines in water: Aromatic products GM-MS identification. Role of electron transfer and superoxide. <i>Research on Chemical Intermediates</i> , 2000 , 26, 221-234	2.8	36
30	Photolysis of dicamba (3,6-dichloro-2-methoxybenzoic acid) in aqueous solution and dispersed on solid supports. <i>International Journal of Photoenergy</i> , 2000 , 2, 81-86	2.1	11
29	Photocatalytic degradation of aqueous hydroxy-butandioic acid (malic acid) in contact with powdered and supported titania in water. <i>Catalysis Today</i> , 1999 , 54, 131-141	5.3	86
28	Comparison of various titania samples of industrial origin in the solar photocatalytic detoxification of water containing 4-chlorophenol. <i>Catalysis Today</i> , 1999 , 54, 217-228	5.3	128
27	Photocatalytic degradation of pesticide pirimiphos-methyl. <i>Catalysis Today</i> , 1999 , 54, 353-367	5.3	103
26	Solar photocatalytic degradation of 4-chlorophenol using the synergistic effect between titania and activated carbon in aqueous suspension. <i>Catalysis Today</i> , 1999 , 54, 255-265	5.3	161
25	Degradation of phenyltrifluoromethylketone in water by separate or simultaneous use of TiO ₂ photocatalysis and 30 or 515 kHz ultrasound. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 4663-4668	3.6	77
24	Degradation of palmitic (hexadecanoic) acid deposited on TiO ₂ -coated self-cleaning glass: kinetics of disappearance, intermediate products and degradation pathways. <i>New Journal of Chemistry</i> , 1999 , 23, 365-374	3.6	72
23	Testing the Efficacy and the Potential Effect on Indoor Air Quality of a Transparent Self-Cleaning TiO ₂ -Coated Glass through the Degradation of a Fluoranthene Layer. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3878-3885	3.9	75
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