chantal Guillard

List of Publications by Year
in descending order

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180 papers	10,912 citations	30070 54 h-index	36028 97 g-index
181 all docs	181 docs citations	181 times ranked	10420 citing authors

#	Article	IF	Citations
1	Photocatalytic degradation of various types of dyes (Alizarin S, Crocein Orange G, Methyl Red, Congo) Tj ETQq1 1 0.784314 rgBT /Overl 75-90.	20.2	1,333
2	Influence of chemical structure of dyes, of pH and of inorganic salts on their photocatalytic degradation by TiO2 comparison of the efficiency of powder and supported TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 27-36.	3.9	442
3	Photocatalytic Degradation of Dyes in Water: Case Study of Indigo and of Indigo Carmine. Journal of Catalysis, 2001, 201, 46-59.	6.2	431
4	Photocatalytic inactivation of Escherischia coli. Applied Catalysis B: Environmental, 2007, 76, 257-263.	20.2	339
5	Heterogeneous photocatalysis : an emerging technology for water treatment. Catalysis Today, 1993, 17, 7-20.	4.4	289
6	Photocatalytic degradation of the alimentary azo dye amaranth. Applied Catalysis B: Environmental, 2004, 51, 183-194.	20.2	247
7	Probing the TiO2Photocatalytic Mechanisms in Water Purification by Use of Quinoline, Photo-Fenton Generated OHâ€¢Radicals and Superoxide Dismutaseâ€. Journal of Physical Chemistry B, 1997, 101, 2650-2658.	2.6	219
8	Environmental green chemistry as defined by photocatalysis. Journal of Hazardous Materials, 2007, 146, 624-629.	12.4	202
9	Hydrogenating properties of unsupported transition metal sulphides. Journal of Catalysis, 1989, 120, 473-477.	6.2	177
10	Solar photocatalytic degradation of 4-chlorophenol using the synergistic effect between titania and activated carbon in aqueous suspension. Catalysis Today, 1999, 54, 255-265.	4.4	177
11	Solar efficiency of a new deposited titania photocatalyst: chlorophenol, pesticide and dye removal applications. Applied Catalysis B: Environmental, 2003, 46, 319-332.	20.2	174
12	Why inorganic salts decrease theTiO2photocatalytic efficiency. International Journal of Photoenergy, 2005, 7, 1-9.	2.5	173
13	Photocatalysis and disinfection of water: Identification of potential bacterial targets. Applied Catalysis B: Environmental, 2011, 104, 390-398.	20.2	138
14	Comparison of various titania samples of industrial origin in the solar photocatalytic detoxification of water containing 4-chlorophenol. Catalysis Today, 1999, 54, 217-228.	4.4	137
15	Hydrogen peroxide and photocatalysis. Applied Catalysis B: Environmental, 2016, 188, 106-112.	20.2	126
16	Phenol photocatalytic degradation over anisotropic TiO2 nanomaterials: Kinetic study, adsorption isotherms and formal mechanisms. Applied Catalysis B: Environmental, 2015, 163, 404-414.	20.2	122
17	Physicochemical properties and photocatalytic activities of TiO2-films prepared by solâ€“gel methods. Applied Catalysis B: Environmental, 2002, 39, 331-342.	20.2	116
18	New industrial titania photocatalysts for the solar detoxification of water containing various pollutants. Applied Catalysis B: Environmental, 2002, 35, 281-294.	20.2	115

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19	Microbiological disinfection of water and air by photocatalysis. Comptes Rendus Chimie, 2008, 11, 107-113.	0.5	115
20	Photocatalytic degradation of pesticide pirimiphos-methyl. Catalysis Today, 1999, 54, 353-367.	4.4	113
21	Effect of operating parameters on the testing of new industrial titania catalysts at solar pilot plant scale. Applied Catalysis B: Environmental, 2003, 42, 349-357.	20.2	107
22	Photocatalytic decolorization of Remazol Black 5 (RB5) and Procion Red MX-5Bâ€"Isotherm of adsorption, kinetic of decolorization and mineralization. Applied Catalysis B: Environmental, 2007, 77, 100-109.	20.2	107
23	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). Catalysis Today, 1996, 27, 215-220.	4.4	104
24	Photocatalytic degradation of sulfonylurea herbicides in aqueous TiO2. Applied Catalysis B: Environmental, 2002, 38, 127-137.	20.2	101
25	Solar photocatalysis: A green technology for E. coli contaminated water disinfection. Effect of concentration and different types of suspended catalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 276, 31-40.	3.9	98
26	Photocatalytic degradation of aqueous hydroxy-butandioic acid (malic acid) in contact with powdered and supported titania in water. Catalysis Today, 1999, 54, 131-141.	4.4	97
27	Effect of Na content and thermal treatment of titanate nanotubes on the photocatalytic degradation of formic acid. Applied Catalysis B: Environmental, 2013, 138-139, 401-415.	20.2	94
28	Photocatalytic degradation of polycarboxylic benzoic acids in UV-irradiated aqueous suspensions of titania.. Applied Catalysis B: Environmental, 2000, 24, 71-87.	20.2	93
29	Reduced graphene oxide/TiO 2 nanotube composites for formic acid photodegradation. Applied Catalysis B: Environmental, 2017, 209, 203-213.	20.2	89
30	C2H2 oxidation by plasma/TiO2 combination: Influence of the porosity, and photocatalytic mechanisms under plasma exposure. Applied Catalysis B: Environmental, 2008, 80, 296-305.	20.2	85
31	Comparative study of photocatalytic and non-photocatalytic reduction of nitrates in water. Applied Catalysis A: General, 2009, 368, 1-8.	4.3	85
32	Degradation of phenyltrifluoromethylketone in water by separate or simultaneous use of TiO2 photocatalysis and 30 or 515 kHz ultrasound. Physical Chemistry Chemical Physics, 1999, 1, 4663-4668.	2.8	84
33	Bactericidal efficiency and mode of action: A comparative study of photochemistry and photocatalysis. Water Research, 2012, 46, 3208-3218.	11.3	84
34	Testing the Efficacy and the Potential Effect on Indoor Air Quality of a Transparent Self-Cleaning TiO2-Coated Glass through the Degradation of a Fluoranthene Layer. Industrial & Engineering Chemistry Research, 1999, 38, 3878-3885.	3.7	82
35	Factors influencing the photocatalytic degradation of sulfonylurea herbicides by TiO2 aqueous suspension. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 159, 71-79.	3.9	82
36	Characterization and photocatalytic performance in air of cementitious materials containing TiO2. Case study of formaldehyde removal. Applied Catalysis B: Environmental, 2011, 107, 1-8.	20.2	81

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37	Degradation of palmitic (hexadecanoic) acid deposited on TiO2-coated self-cleaning glass: kinetics of disappearance, intermediate products and degradation pathways. New Journal of Chemistry, 1999, 23, 365-374.	2.8	79
38	Kinetics and Products of the TiO2 Photocatalytic Degradation of Pyridine in Water. Environmental Science & Technology, 1994, 28, 2176-2183.	10.0	76
39	Characterization and study of a single-TiO2-coated optical fiber reactor. Applied Catalysis B: Environmental, 2004, 52, 213-223.	20.2	76
40	One step synthesis of N-doped and Au-loaded TiO2 nanoparticles by laser pyrolysis: Application in photocatalysis. Applied Catalysis B: Environmental, 2015, 174-175, 367-375.	20.2	76
41	Low temperature and aqueous solâ€"gel deposit of photocatalytic active nanoparticulate TiO2. Journal of Materials Chemistry, 2003, 13, 342-346.	6.7	72
42	Photocatalytic degradation of acetylene over various titanium dioxide-based photocatalysts. Applied Catalysis B: Environmental, 2005, 61, 58-68.	20.2	67
43	Title is missing!. Journal of Materials Science, 2003, 38, 3945-3953.	3.7	66
44	Oxidation of acetylene by photocatalysis coupled with dielectric barrier discharge. Catalysis Today, 2007, 122, 186-194.	4.4	64
45	Size effects in liquid-phase photo-oxidation of phenol using nanometer-sized TiO2 catalysts. Applied Surface Science, 2008, 255, 2704-2709.	6.1	64
46	Use of catalase and superoxide dismutase to assess the roles of hydrogen peroxide and superoxide in the TiO2 or ZnO photocatalytic destruction of 1,2-dimethoxybenzene in water. Research on Chemical Intermediates, 1994, 20, 579-594.	2.7	63
47	Transparent photocatalytic films deposited on polymer substrates from solâ€"gel processed titania sols. Thin Solid Films, 2003, 429, 13-21.	1.8	62
48	Assessment of the importance of the role of H2O2 and O2oâˆ'in the photocatalytic degradation of 1,2-dimethoxybenzene. Solar Energy Materials and Solar Cells, 1995, 38, 391-399.	6.2	61
49	Photocatalytic degradation of imazapyr in water: Comparison of activities of different supported and unsupported TiO2-based catalysts. Catalysis Today, 2005, 101, 211-218.	4.4	61
50	Kinetics and reactional pathway of Imazapyr photocatalytic degradation Influence of pH and metallic ions. Applied Catalysis B: Environmental, 2006, 65, 11-20.	20.2	61
51	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. Applied Catalysis B: Environmental, 2006, 65, 70-76.	20.2	59
52	Dynamic of the plasma current amplitude in a barrier discharge: influence of photocatalytic material. Journal Physics D: Applied Physics, 2006, 39, 2964-2972.	2.8	58
53	Malic acid photocatalytic degradation using a TiO2-coated optical fiber reactor. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 190, 135-140.	3.9	58
54	Photocatalytic degradation of pesticideâ€"acaricide formetanate in aqueous suspension of TiO2. Applied Catalysis B: Environmental, 2001, 34, 241-252.	20.2	57

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55	The role of lanthanum in the enhancement of photocatalytic properties of TiO2 nanomaterials obtained by calcination of hydrogenotitanate nanotubes. Applied Catalysis B: Environmental, 2016, 181, 651-660.	20.2	56
56	Photocatalytic degradation of a sulfonylurea herbicide over pure and tin-doped TiO2 photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 173, 13-20.	3.9	55
57	Photocatalytic degradation of anionic and cationic dyes over TiO2 P25, and Ti-pillared clays and Ag-doped Ti-pillared clays. Applied Clay Science, 2014, 95, 205-210.	5.2	55
58	Physical properties and photocatalytic efficiencies of TiO2 films prepared by PECVD and solâ€"gel methods. Materials Research Bulletin, 2004, 39, 1445-1458.	5.2	54
59	Methylamine and dimethylamine photocatalytic degradationâ€"Adsorption isotherms and kinetics. Applied Catalysis A: General, 2011, 402, 201-207.	4.3	54
60	Photocatalysed degradation of cyromazine in aqueous titanium dioxide suspensions: comparison with photolysis. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 141, 79-84.	3.9	53
61	Photocatalytic degradation mechanism for heterocyclic derivatives of triazolidine and triazole. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 149, 155-168.	3.9	53
62	Acetylene photocatalytic oxidation using continuous flow reactor: Gas phase and adsorbed phase investigation, assessment of the photocatalyst deactivation. Chemical Engineering Journal, 2014, 244, 50-58.	12.7	51
63	Impact of rutile and anatase phase on the photocatalytic decomposition of lactic acid. Applied Catalysis B: Environmental, 2019, 253, 96-104.	20.2	51
64	Photocatalytic degradation of a mixture of two anionic dyes: Procion Red MX-5B and Remazol Black 5 (RB5). Journal of Photochemistry and Photobiology A: Chemistry, 2010, 212, 107-112.	3.9	48
65	Influence of water vapour on plasma/photocatalytic oxidation efficiency of acetylene. Applied Catalysis B: Environmental, 2008, 84, 813-820.	20.2	47
66	Highly photocatalytic activity of nanocrystalline TiO2 (anatase, rutile) powders prepared from TiCl4 by solâ€"gel method in aqueous solutions.. Chemical Engineering Research and Design, 2018, 113, 109-121.	5.6	46
67	Characterization of a new photocatalytic textile for formaldehyde removal from indoor air. Applied Catalysis B: Environmental, 2012, 128, 171-178.	20.2	44
68	Impact of Photocatalysis on Fungal Cells: Depiction of Cellular and Molecular Effects on Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2014, 80, 7527-7535.	3.1	44
69	Correlation between the photocatalytic degradability over TiO2 in water of meta and para substituted methoxybenzenes and their electron density, hydrophobicity and polarizability properties. Water Research, 1996, 30, 1137-1142.	11.3	43
70	Microfibrous TiO2 supported photocatalysts prepared by metal-organic chemical vapor infiltration for indoor air and waste water purification. Applied Catalysis B: Environmental, 2009, 91, 225-233.	20.2	43
71	Effect of Ag+ reduction on the photocatalytic activity of Ag-doped TiO2. Superlattices and Microstructures, 2017, 109, 511-518.	3.1	43
72	Photocatalytic degradation of butanoic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 65-75.	3.9	42

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73	Design of TiO2 nanorods and nanotubes doped with lanthanum and comparative kinetic study in the photodegradation of formic acid. Catalysis Communications, 2015, 61, 107-111.	3.3	42
74	TiO2 photocatalytic degradation of haloquinolines in water: Aromatic products GM-MS identification. Role of electron transfer and superoxide. Research on Chemical Intermediates, 2000, 26, 221-234.	2.7	41
75	Photocatalytic degradation of imidazolinone fungicide in TiO2-coated optical fiber reactor. Applied Catalysis B: Environmental, 2006, 62, 274-281.	20.2	41
76	Photocatalytic Degradation Enhancement in Pickering Emulsions Stabilized by Solid Particles of Bare TiO₂. Langmuir, 2019, 35, 2129-2136.	3.5	41
77	Comparative effects of the TiO2-UV, H2O2-UV, H2O2-Fe2+ systems on the disappearance rate of benzamide and 4-hydroxybenzamide in water. Chemosphere, 1992, 24, 1085-1094.	8.2	40
78	Laboratory study of the rates and products of the phototransformations of naphthalene adsorbed on samples of titanium dioxide, ferric oxide, muscovite, and fly ash. Journal of Atmospheric Chemistry, 1993, 16, 47-59.	3.2	40
79	Water disinfection using photosensitizers supported on silica. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 101-108.	3.9	40
80	Fabrication, characterization and photocatalytic activity of TiO2 layers prepared by inkjet printing of stabilized nanocrystalline suspensions. Applied Catalysis B: Environmental, 2013, 138-139, 84-94.	20.2	40
81	Mechanically stable and photocatalytically active TiO₂/SiO₂hybrid films on flexible organic substrates. Journal of Materials Chemistry A, 2014, 2, 20096-20104.	10.3	39
82	Optimization of a single TiO2-coated optical fiber reactor using experimental design. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 161-167.	3.9	38
83	Photocatalytic degradation and mineralization of a malodorous compound (dimethyldisulfide) using a continuous flow reactor. Catalysis Today, 2007, 122, 160-167.	4.4	38
84	Survival of bioaerosols in HVAC system photocatalytic filters. Applied Catalysis B: Environmental, 2014, 144, 654-664.	20.2	38
85	Degradation processes of organic compounds over UV-irradiated TiO2. Effect of ozone. Research on Chemical Intermediates, 2000, 26, 161-170.	2.7	37
86	Degradation of C2H2 with modified-TiO2 photocatalysts under visible light irradiation. Journal of Molecular Catalysis A, 2008, 284, 127-133.	4.8	37
87	Glyceraldehyde production by photocatalytic oxidation of glycerol on WO3-based materials. Applied Catalysis B: Environmental, 2021, 299, 120616.	20.2	36
88	Kinetic of adsorption and of photocatalytic degradation of phenylalanine effect of pH and light intensity. Applied Catalysis A: General, 2010, 380, 142-148.	4.3	35
89	Removal of herbicide diuron and thermal degradation products under Catalytic Wet Air Oxidation conditions. Applied Catalysis B: Environmental, 2009, 91, 275-283.	20.2	34
90	Photocatalysis on yeast cells: Toward targets and mechanisms. Applied Catalysis B: Environmental, 2013, 140-141, 169-178.	20.2	34

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91	Photocatalytic Degradation of Diuron: Experimental Analyses and Simulation of HOÂ° Radical Attacks by Density Functional Theory Calculations. Journal of Physical Chemistry A, 2009, 113, 6365-6374.	2.5	33
92	Photocatalytic activity of TiO2 films immobilized on aluminum foam by atomic layer deposition technique. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 16-23.	3.9	33
93	From the fundamentals of photocatalysis to its applications in environment protection and in solar purification of water in arid countries. Research on Chemical Intermediates, 2005, 31, 449-461.	2.7	32
94	Characterization of self-cleaning glasses using Langmuirâ€“Blodgett technique to control thickness of stearic acid multilayers. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 197, 170-176.	3.9	32
95	Design of TiO2 nanomaterials for the photodegradation of formic acid â€“ Adsorption isotherms and kinetics study. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 279, 8-16.	3.9	32
96	Effect of cerium content and post-thermal treatment on doped anisotropic TiO2 nanomaterials and kinetic study of the photodegradation of formic acid. Journal of Molecular Catalysis A, 2015, 409, 162-170.	4.8	32
97	Preparation, characterization and catalytic properties of unsupported vanadium sulphides. Catalysis Today, 1990, 7, 587-600.	4.4	31
98	Photocatalyst activation in a pulsed low pressure discharge. Applied Physics Letters, 2005, 87, 221501.	3.3	31
99	Precursor-mediated synthesis of Cu_{2âˆ’x}Se nanoparticles and their composites with TiO₂ for improved photocatalysis. Dalton Transactions, 2018, 47, 8897-8905.	3.3	30
100	Photocatalytic degradation of pesticides in agricultural used waters. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2000, 3, 417-422.	0.1	28
101	Kinetics and initial photocatalytic pathway of tryptophan, important constituent of microorganisms. Applied Catalysis B: Environmental, 2010, 94, 192-199.	20.2	28
102	Surface and Electronic Features of Fluorinated TiO₂ and Their Influence on the Photocatalytic Degradation of 1-Methylnaphthalene. Journal of Physical Chemistry C, 2020, 124, 11456-11468.	3.1	28
103	Photocatalytic Degradation ofp-Halophenols in TiO2Aqueous Suspensions: Halogen Effect on Removal Rate, Aromatic Intermediates and Toxicity Variations. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 1009-1025.	1.7	27
104	Antibacterial effects of photocatalytic textiles for footwear application. Catalysis Today, 2014, 230, 41-46.	4.4	27
105	Influence of reduced graphene oxide on the synergism between rutile and anatase TiO2 particles in photocatalytic degradation of formic acid. Molecular Catalysis, 2017, 432, 125-130.	2.0	27
106	A Facile Molecular Precursorâ€based Synthesis of Ag₂Se Nanoparticles and Its Composites with TiO₂ for Enhanced Photocatalytic Activity. Chemistry - an Asian Journal, 2016, 11, 1658-1663.	3.3	26
107	Kinetics and mechanism of the photocatalytic degradation of acetic acid in absence or presence of O 2. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 339, 80-88.	3.9	25
108	Solar purification and potabilization of water containing dyes. Research on Chemical Intermediates, 2007, 33, 421-431.	2.7	24

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109	Photocatalytic efficiencies of self-cleaning glasses. Influence of physical factors. Photochemical and Photobiological Sciences, 2009, 8, 1040.	2.9	24
110	Zn-Assisted TiO_{2â€“<i>x</i>} Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. Journal of Physical Chemistry C, 2017, 121, 17068-17076.	3.1	24
111	Size and shape effect on the photocatalytic efficiency of TiO2 brookite. Journal of Materials Science, 2019, 54, 1213-1225.	3.7	24
112	Photocatalytic destruction of hazardous chlorineâ€•or nitrogenâ€containing aromatics in water. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1993, 28, 941-962.	0.1	23
113	The GC-MS identification of some aliphatic intermediates from the TIO2 photocatalytic degradation of dimethoxybenzenes in water. Research on Chemical Intermediates, 1995, 21, 33-46.	2.7	23
114	Water treatment by TiO2 photocatalysis and/or ultrasound: degradations of phenyltrifluoromethylketone, a trifluoroacetic-acid-forming pollutant, and octan-1-ol, a very hydrophobic pollutant. Water Science and Technology, 2001, 44, 263-270.	2.5	23
115	H2O2 and/or photocatalysis under UV-C irradiation for the removal of EDTA, a chelating agent present in nuclear waste waters. Applied Catalysis A: General, 2014, 488, 103-110.	4.3	23
116	TiO2/SiO2 porous composite thin films: Role of TiO2 areal loading and modification with gold nanospheres on the photocatalytic activity. Applied Surface Science, 2016, 383, 367-374.	6.1	23
117	Influenza viruses production: Evaluation of a novel avian cell line DuckCeltÂ®-T17. Vaccine, 2018, 36, 3101-3111.	3.8	23
118	Pickering Emulsions of Fluorinated TiO₂: A New Route for Intensification of Photocatalytic Degradation of Nitrobenzene. Langmuir, 2020, 36, 13545-13554.	3.5	23
119	Kinetics and products of the photocatalytic degradation of morpholine (tetrahydro-2H-1,4-oxazine) in TiO2 aqueous suspensions. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1853.	1.7	22
120	Effects of methanol, formamide, acetone and acetate ions on phenol disappearance rate and aromatic products in UV-irradiated TIO2 aqueous suspensions. Chemosphere, 1997, 35, 819-826.	8.2	22
121	Intermediate products and reductive reaction pathways in the TiO2 photocatalytic degradation of 1,1,1-trichloroethane in water. Research on Chemical Intermediates, 1997, 23, 275-290.	2.7	22
122	g-C3N4 quantum dots-modified mesoporous TiO2â€“SiO2 for enhanced photocatalysis. Research on Chemical Intermediates, 2019, 45, 4237-4247.	2.7	22
123	Enhanced photocatalytic activity through insertion of plasmonic nanostructures into porous TiO2/SiO2 hybrid composite films. Journal of Catalysis, 2016, 342, 117-124.	6.2	21
124	Phototransformations of solid pentachlorophenol. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 119, 137-142.	3.9	20
125	Degradation mechanism of t-butyl methyl ether (MTBE) in atmospheric droplets. Chemosphere, 2003, 53, 469-477.	8.2	20
126	Adsorption and photocatalytic degradation of cysteine in presence of TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 246, 1-7.	3.9	20

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127	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. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 462-469.	3.9	20
128	Synthesis of Hydrogen Peroxide Using Dielectric Barrier Discharge Associated with Fibrous Materials. Plasma Chemistry and Plasma Processing, 2010, 30, 489-502.	2.4	19
129	Modelling of UV optical ageing of optical fibre fabric coated with TiO 2. Applied Catalysis B: Environmental, 2016, 182, 229-235.	20.2	19
130	Understanding the photocatalytic degradation by P25 TiO 2 of acetic acid and propionic acid in the pursuit of alkane production. Applied Catalysis A: General, 2018, 554, 35-43.	4.3	19
131	Inactivation of Aspergillus niger spores from indoor air by photocatalytic filters. Applied Catalysis B: Environmental, 2013, 134-135, 167-173.	20.2	18
132	Degradation of a cobalt(II)â€“EDTA complex by photocatalysis and H2O2/UV-C. Application to nuclear wastes containing 60Co. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 131-137.	1.5	18
133	Bipyramidal anatase TiO2 nanoparticles, a highly efficient photocatalyst? Towards a better understanding of the reactivity. Applied Catalysis B: Environmental, 2017, 203, 324-334.	20.2	18
134	The photodegradation of 2,3-benzofuran and its intermediates, 2-coumaranone and salicylaldehyde, in TiO2 aqueous suspensions. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 85, 257-262.	3.9	17
135	Evaluation of 1-octanol degradation by photocatalysis and ultrasound using SPME. Water Research, 2002, 36, 4263-4272.	11.3	17
136	Fate of nitrogen atoms in the photocatalytic degradation of industrial (congo red) and alimentary (amaranth) azo dyes. Evidence for mineralization into gaseous dinitrogen. International Journal of Photoenergy, 2003, 5, 51-58.	2.5	17
137	Kinetics of the photocatalytic degradation of methylamine: Influence of pH and UV-A/UV-B radiant fluxes. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 255, 50-57.	3.9	17
138	Photocatalytic synthesis of thio-organic compounds: case study of propan-1-thiol. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 152, 147-153.	3.9	16
139	Removal of Monochloroacetic Acid in Water by Advanced Oxidation Based on Ozonation in the Presence of TiO2Irradiated at Î» > 340 nm. Ozone: Science and Engineering, 2005, 27, 311-316.	2.5	16
140	Photocatalytic Inactivation of Wild and Hyper-Adherent E. Coli Strains in Presence of Suspended or Supported TiO2. Influence of the Isoelectric Point of the Particle Size and of the Adsorptive Properties of Titania. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	16
141	Coupling process between solidâ€“liquid extraction of amino acids by calixarenes and photocatalytic degradation. Journal of Hazardous Materials, 2009, 166, 1195-1200.	12.4	16
142	Improvement of Photocatalytic Degradation Activity of Visible-Light-Responsive TiO2 by Aid of Ultraviolet-Light Pretreatment. Journal of Physical Chemistry C, 2009, 113, 5535-5540.	3.1	16
143	Solar photocatalytic inactivation of Fusarium Solani over TiO2 nanomaterials with controlled morphologyâ€"Formic acid effect. Catalysis Today, 2013, 209, 147-152.	4.4	16
144	Comparison of hydrothermal and photocatalytic conversion of glucose with commercial TiO2: Superficial properties-activities relationships. Catalysis Today, 2021, 367, 268-277.	4.4	16

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145	Epoxidation of olefins on photoirradiated TiO2-pillared clays. Applied Clay Science, 2010, 48, 431-437.	5.2	14
146	Impact of structural defects on the photocatalytic properties of ZnO. Journal of Hazardous Materials Advances, 2022, 6, 100081.	3.0	14
147	High photocatalytic activity of aerogel tetragonal and monoclinic ZrO2 samples. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113970.	3.9	14
148	Photolysis of dicamba (3,6-dichloro-2-methoxybenzoic acid) in aqueous solution and dispersed on solid supports. International Journal of Photoenergy, 2000, 2, 81-86.	2.5	13
149	Photocatalytic degradation of the herbicide cinosulfuron in aqueous TiO 2 suspension. Environmental Chemistry Letters, 2003, 1, 62-67.	16.2	13
150	Room-temperature conversion of Cu_{2âˆ’x}Se to CuAgSe nanoparticles to enhance the photocatalytic performance of their composites with TiO₂. Dalton Transactions, 2020, 49, 3580-3591.	3.3	13
151	Laboratory study of the respective roles of ferric oxide and released or added ferric ions in the photodegradation of oxalic acid in aerated liquid water. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 89, 221-227.	3.9	12
152	Preparations of nano-particles, nano-composites and fibers of ZnO from an amide precursor: Photocatalytic decomposition of (CH3)2S2 in a continuous flow reactor. Materials Research Bulletin, 2006, 41, 2210-2218.	5.2	12
153	Photocatalytic activity of titania deposited on luminous textiles for water treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 361, 67-75.	3.9	12
154	Degradation Pathway of Dicyclanil in Water in the Presence of Titanium Dioxide. Comparison with Photolysis. Journal of Agricultural and Food Chemistry, 2002, 50, 5115-5120.	5.2	11
155	Comparison of initial photocatalytic degradation pathway of aromatic and linear amino acids. Environmental Technology (United Kingdom), 2010, 31, 1417-1422.	2.2	11
156	Influence of graphene and copper on the photocatalytic response of TiO2 nanotubes. Materials Science in Semiconductor Processing, 2020, 107, 104847.	4.0	11
157	X.A.F.S. study of model vanadium sulfide phases suspected to form on HDM catalyst surfaces. Physica B: Condensed Matter, 1989, 158, 145-148.	2.7	9
158	Titanium dioxide nanotubes/polyhydroxyfullerene composites for formic acid photodegradation. Applied Surface Science, 2017, 412, 306-318.	6.1	9
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