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	Twoâ€dimensional photonic metasurfaces for slow lightâ€controlled photocatalysis. Nano Select, 2022, 3, 108-117.	3.7	7
2	Hydrothermal process assisted by photocatalysis: Towards a novel hybrid mechanism driven glucose valorization to levulinic acid, ethylene and hydrogen. Applied Catalysis B: Environmental, 2022, 305, 121051.	20.2	9
3	Influence of the Micro-Nanostructuring of Titanium Dioxide Films on the Photocatalytic Degradation of Formic Acid under UV Illumination. Nanomaterials, 2022, 12, 1008.	4.1	3
4	Coupling of photocatalysis and catalysis using an optical fiber textile for room temperature depollution. Chemosphere, 2022, 297, 133940.	8.2	2
5	Catalysis in Advanced Oxidation Technologies (AOTs) for Water, Air and Soil Treatment. Catalysts, 2022, 12, 502.	3.5	0
6	Impact of structural defects on the photocatalytic properties of ZnO. Journal of Hazardous Materials Advances, 2022, 6, 100081.	3.0	14
7	High photocatalytic activity of aerogel tetragonal and monoclinic ZrO2 samples. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113970.	3.9	14
8	Acetal photocatalytic formation from ethanol in the presence of TiO2 rutile and anatase. Photochemical and Photobiological Sciences, 2022, 21, 1617-1626.	2.9	2
9	Comparison of hydrothermal and photocatalytic conversion of glucose with commercial TiO2: Superficial properties-activities relationships. Catalysis Today, 2021, 367, 268-277.	4.4	16
10	Carbon Nitride Quantum Dots Modified TiO2 Inverse Opal Photonic Crystal for Solving Indoor VOCs Pollution. Catalysts, 2021, 11, 464.	3.5	9
11	Visible-Light Enhanced Catalytic Wet Peroxide Oxidation of Natural Organic Matter in the Presence of Al/Fe-Pillared Clay. Catalysts, 2021, 11, 637.	3.5	3
12	Glyceraldehyde production by photocatalytic oxidation of glycerol on WO3-based materials. Applied Catalysis B: Environmental, 2021, 299, 120616.	20.2	36
13	Influence of graphene and copper on the photocatalytic response of TiO2 nanotubes. Materials Science in Semiconductor Processing, 2020, 107, 104847.	4.0	11
14	Impact of H2O2 on the Lactic and Formic Acid Degradation in Presence of TiO2 Rutile and Anatase Phases under UV and Visible Light. Catalysts, 2020, 10, 1131.	3.5	4
15	Pickering Emulsions of Fluorinated TiO₂: A New Route for Intensification of Photocatalytic Degradation of Nitrobenzene. Langmuir, 2020, 36, 13545-13554.	3.5	23
16	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
17	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
18	g-C3N4 quantum dots-modified mesoporous TiO2â€“SiO2 for enhanced photocatalysis. Research on Chemical Intermediates, 2019, 45, 4237-4247.	2.7	22

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19	Photocatalytic Degradation Enhancement in Pickering Emulsions Stabilized by Solid Particles of Bare TiO₂. Langmuir, 2019, 35, 2129-2136.	3.5	41
20	Impact of rutile and anatase phase on the photocatalytic decomposition of lactic acid. Applied Catalysis B: Environmental, 2019, 253, 96-104.	20.2	51
21	Size and shape effect on the photocatalytic efficiency of TiO2 brookite. Journal of Materials Science, 2019, 54, 1213-1225.	3.7	24
22	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
23	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
24	Influenza viruses production: Evaluation of a novel avian cell line DuckCeltÂ®-T17. Vaccine, 2018, 36, 3101-3111.	3.8	23
25	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
26	Photocatalytic Selectivities of Ethane, Methane and Dimethylether Controlled by Reaction Conditions and TiO2ÂStructure in the Degradation of Acetic Acid. ChemistrySelect, 2018, 3, 12773-12781.	1.5	4
27	UV-a photocatalytic degradation of the radionuclide complexants tributylphosphate and dibutylphosphate. Chemical Engineering Journal, 2018, 352, 143-150.	12.7	7
28	Precursor-mediated synthesis of Cu_{2â^'x}Se nanoparticles and their composites with TiO₂ for improved photocatalysis. Dalton Transactions, 2018, 47, 8897-8905.	3.3	30
29	Reduced graphene oxide/TiO 2 nanotube composites for formic acid photodegradation. Applied Catalysis B: Environmental, 2017, 209, 203-213.	20.2	89
30	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
31	Does water in synthesized TiO 2 have an effect on the photocatalytic activity? Towards a spectacular response. Materials Letters, 2017, 204, 188-191.	2.6	2
32	Effect of Ag+ reduction on the photocatalytic activity of Ag-doped TiO2. Superlattices and Microstructures, 2017, 109, 511-518.	3.1	43
33	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
34	Titanium dioxide nanotubes/polyhydroxyfullerene composites for formic acid photodegradation. Applied Surface Science, 2017, 412, 306-318.	6.1	9
35	Laser synthesized TiO₂-based nanoparticles and their efficiency in the photocatalytic degradation of linear carboxylic acids. Science and Technology of Advanced Materials, 2017, 18, 805-815.	6.1	7
36	Zn-Assisted TiO_{2â€“x} Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. Journal of Physical Chemistry C, 2017, 121, 17068-17076.	3.1	24

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37	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
38	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
39	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
40	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
41	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
42	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
43	Hydrogen peroxide and photocatalysis. Applied Catalysis B: Environmental, 2016, 188, 106-112.	20.2	126
44	Modelling of UV optical ageing of optical fibre fabric coated with TiO 2. Applied Catalysis B: Environmental, 2016, 182, 229-235.	20.2	19
45	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
46	Design of Laâ€“C60/TiO2 Nanocomposites: Study of the Effect of Lanthanum and Fullerenol Addition Order onto TiO2. Application for the Photocatalytic Degradation of Formic Acid. Chemistry Letters, 2015, 44, 1774-1776.	1.3	4
47	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
48	Hybrid solâ€“gel porous nanocomposites as efficient photocatalytic coatings: Insights in the structure/reactivity relationships. Applied Catalysis B: Environmental, 2015, 176-177, 472-479.	20.2	4
49	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
50	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
51	Kinetics and mechanism of thymine degradation by TiO2 photocatalysis. Chinese Journal of Catalysis, 2015, 36, 1818-1824.	14.0	6
52	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
53	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
54	Mechanically stable and photocatalytically active TiO₂/SiO₂hybrid films on flexible organic substrates. Journal of Materials Chemistry A, 2014, 2, 20096-20104.	10.3	39

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55	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
56	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
57	Antibacterial effects of photocatalytic textiles for footwear application. Catalysis Today, 2014, 230, 41-46.	4.4	27
58	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
59	Titania-based photocatalytic degradation of two nucleotide bases, cytosine and uracil. Applied Catalysis A: General, 2014, 485, 207-213.	4.3	8
60	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
61	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
62	Survival of bioaerosols in HVAC system photocatalytic filters. Applied Catalysis B: Environmental, 2014, 144, 654-664.	20.2	38
63	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
64	Photocatalysis on yeast cells: Toward targets and mechanisms. Applied Catalysis B: Environmental, 2013, 140-141, 169-178.	20.2	34
65	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
66	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
67	Solar photocatalytic inactivation of Fusarium Solani over TiO2 nanomaterials with controlled morphologyâ€"Formic acid effect. Catalysis Today, 2013, 209, 147-152.	4.4	16
68	Inactivation of Aspergillus niger spores from indoor air by photocatalytic filters. Applied Catalysis B: Environmental, 2013, 134-135, 167-173.	20.2	18
69	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
70	Synthesis Design of TiO2 Nanotubes and Nanowires and Photocatalytic Applications in the Degradation of Organic Pollutants in the Presence or not of Microorganisms. Materials Research Society Symposia Proceedings, 2012, 1442, 13.	0.1	1
71	Bactericidal efficiency and mode of action: A comparative study of photochemistry and photocatalysis. Water Research, 2012, 46, 3208-3218.	11.3	84
72	Characterization of a new photocatalytic textile for formaldehyde removal from indoor air. Applied Catalysis B: Environmental, 2012, 128, 171-178.	20.2	44

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73	Adsorption and photocatalytic degradation of cysteine in presence of TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 246, 1-7.	3.9	20
74	Photocatalysis and disinfection of water: Identification of potential bacterial targets. Applied Catalysis B: Environmental, 2011, 104, 390-398.	20.2	138
75	Methylamine and dimethylamine photocatalytic degradationâ€"Adsorption isotherms and kinetics. Applied Catalysis A: General, 2011, 402, 201-207.	4.3	54
76	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
77	Water disinfection using photosensitizers supported on silica. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 101-108.	3.9	40
78	Effect of Oxygen and Water in the CO Photocatalytic Oxidation with TiO₂. Advanced Materials Research, 2011, 324, 149-152.	0.3	0
79	Synthesis of Hydrogen Peroxide Using Dielectric Barrier Discharge Associated with Fibrous Materials. Plasma Chemistry and Plasma Processing, 2010, 30, 489-502.	2.4	19
80	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
81	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
82	Kinetics and initial photocatalytic pathway of tryptophan, important constituent of microorganisms. Applied Catalysis B: Environmental, 2010, 94, 192-199.	20.2	28
83	Comparison of initial photocatalytic degradation pathway of aromatic and linear amino acids. Environmental Technology (United Kingdom), 2010, 31, 1417-1422.	2.2	11
84	Epoxidation of olefins on photoirradiated TiO2-pillared clays. Applied Clay Science, 2010, 48, 431-437.	5.2	14
85	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
86	Comparative study of photocatalytic and non-photocatalytic reduction of nitrates in water. Applied Catalysis A: General, 2009, 368, 1-8.	4.3	85
87	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
88	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
89	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
90	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

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91	Photocatalytic efficiencies of self-cleaning glasses. Influence of physical factors. Photochemical and Photobiological Sciences, 2009, 8, 1040.	2.9	24
92	Microbiological disinfection of water and air by photocatalysis. Comptes Rendus Chimie, 2008, 11, 107-113.	0.5	115
93	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
94	Influence of water vapour on plasma/photocatalytic oxidation efficiency of acetylene. Applied Catalysis B: Environmental, 2008, 84, 813-820.	20.2	47
95	Size effects in liquid-phase photo-oxidation of phenol using nanometer-sized TiO2 catalysts. Applied Surface Science, 2008, 255, 2704-2709.	6.1	64
96	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
97	Elaboration of hybrid organicâ€“inorganic materials for ammonium ions retention: Electron microscopy bipolarized observations and 129Xe solid-state NMR. Materials Science and Engineering C, 2008, 28, 977-984.	7.3	1
98	Degradation of C2H2 with modified-TiO2 photocatalysts under visible light irradiation. Journal of Molecular Catalysis A, 2008, 284, 127-133.	4.8	37
99	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
100	Solar purification and potabilization of water containing dyes. Research on Chemical Intermediates, 2007, 33, 421-431.	2.7	24
101	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
102	Photocatalytic degradation and mineralization of a malodorous compound (dimethyldisulfide) using a continuous flow reactor. Catalysis Today, 2007, 122, 160-167.	4.4	38
103	Photocatalytic inactivation of Escherischia coli. Applied Catalysis B: Environmental, 2007, 76, 257-263.	20.2	339
104	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
105	Environmental green chemistry as defined by photocatalysis. Journal of Hazardous Materials, 2007, 146, 624-629.	12.4	202
106	Oxidation of acetylene by photocatalysis coupled with dielectric barrier discharge. Catalysis Today, 2007, 122, 186-194.	4.4	64
107	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
108	Photocatalytic degradation of imidazolinone fungicide in TiO2-coated optical fiber reactor. Applied Catalysis B: Environmental, 2006, 62, 274-281.	20.2	41

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109	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
110	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
111	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
112	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
113	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
114	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
115	Photocatalytic degradation of acetylene over various titanium dioxide-based photocatalysts. Applied Catalysis B: Environmental, 2005, 61, 58-68.	20.2	67
116	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
117	Why inorganic salts decrease theTiO2photocatalytic efficiency. International Journal of Photoenergy, 2005, 7, 1-9.	2.5	173
118	Photocatalyst activation in a pulsed low pressure discharge. Applied Physics Letters, 2005, 87, 221501.	3.3	31
119	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
120	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
121	Photocatalytic degradation of the alimentary azo dye amaranth. Applied Catalysis B: Environmental, 2004, 51, 183-194.	20.2	247
122	Characterization and study of a single-TiO2-coated optical fiber reactor. Applied Catalysis B: Environmental, 2004, 52, 213-223.	20.2	76
123	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
124	Title is missing!. Journal of Materials Science, 2003, 38, 3945-3953.	3.7	66
125	Photocatalytic degradation of the herbicide cinosulfuron in aqueous TiO 2 suspension. Environmental Chemistry Letters, 2003, 1, 62-67.	16.2	13
126	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

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127	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
128	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
129	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
130	Transparent photocatalytic films deposited on polymer substrates from solâ€“gel processed titania sols. Thin Solid Films, 2003, 429, 13-21.	1.8	62
131	Degradation mechanism of t-butyl methyl ether (MTBE) in atmospheric droplets. Chemosphere, 2003, 53, 469-477.	8.2	20
132	Low temperature and aqueous solâ€“gel deposit of photocatalytic active nanoparticulate TiO2. Journal of Materials Chemistry, 2003, 13, 342-346.	6.7	72
133	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
134	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
135	Evaluation of 1-octanol degradation by photocatalysis and ultrasound using SPME. Water Research, 2002, 36, 4263-4272.	11.3	17
136	New industrial titania photocatalysts for the solar detoxification of water containing various pollutants. Applied Catalysis B: Environmental, 2002, 35, 281-294.	20.2	115
137	Photocatalytic degradation of sulfonylurea herbicides in aqueous TiO2. Applied Catalysis B: Environmental, 2002, 38, 127-137.	20.2	101
138	Photocatalytic degradation of various types of dyes (Alizarin S, Crocein Orange G, Methyl Red, Congo) Tj ETQq0 0 0 rgBT /Overlock 10 T 75-90.	20.2	1,333
139	Physicochemical properties and photocatalytic activities of TiO2-films prepared by solâ€“gel methods. Applied Catalysis B: Environmental, 2002, 39, 331-342.	20.2	116
140	Photocatalytic degradation mechanism for heterocyclic derivatives of triazolidine and triazole. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 149, 155-168.	3.9	53
141	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
142	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
143	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
144	Photocatalytic Degradation of Dyes in Water: Case Study of Indigo and of Indigo Carmine. Journal of Catalysis, 2001, 201, 46-59.	6.2	431

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145	Photocatalytic degradation of pesticideâ€“acaricide formetanate in aqueous suspension of TiO2. Applied Catalysis B: Environmental, 2001, 34, 241-252.	20.2	57
146	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
147	Photocatalytic degradation of butanoic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 65-75.	3.9	42
148	Photocatalytic degradation of polycarboxylic benzoic acids in UV-irradiated aqueous suspensions of titania.. Applied Catalysis B: Environmental, 2000, 24, 71-87.	20.2	93
149	Degradation processes of organic compounds over UV-irradiated TiO2. Effect of ozone. Research on Chemical Intermediates, 2000, 26, 161-170.	2.7	37
150	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
151	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
152	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
153	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
154	Photocatalytic degradation of pesticide pirimiphos-methyl. Catalysis Today, 1999, 54, 353-367.	4.4	113
155	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
156	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
157	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
158	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
159	Phototransformations of solid pentachlorophenol. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 119, 137-142.	3.9	20
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