Pilar Fernandez-IbaÃ±ez

List of Publications by Year
in descending order

154 papers	12,437 citations	24978 57 h-index	24915 109 g-index
166 all docs	166 docs citations	166 times ranked	9945 citing authors

#	Article	IF	Citations
1	Household slow sand filters in continuous and intermittent flows and their efficiency in microorganismâ€™s removal from river water. Environmental Technology (United Kingdom), 2022, 43, 1583-1592.	1.2	6
2	Household slow sand filter efficiency with schmutzdecke evaluation by microsensors. Environmental Technology (United Kingdom), 2022, 43, 4042-4053.	1.2	6
3	Meeting daily drinking water needs for communities in Sub-Saharan Africa using solar reactors for harvested rainwater. Chemical Engineering Journal, 2022, 428, 132494.	6.6	9
4	A critical overview of household slow sand filters for water treatment. Water Research, 2022, 208, 117870.	5.3	25
5	Solar Detoxification and Disinfection of Water. , 2022, , 453-480.		0
6	Biological Layer in Household Slow Sand Filters: Characterization and Evaluation of the Impact on Systems Efficiency. Water (Switzerland), 2022, 14, 1078.	1.2	6
7	An investigation of photoelectrocatalytic disinfection of water using titania nanotube photoanodes with carbon cathodes and determination of the radicals produced. Applied Catalysis B: Environmental, 2022, 311, 121339.	10.8	7
8	Photoelectrocatalytic degradation of pharmaceuticals and inactivation of viruses in water with tungsten oxide electrodes. Journal of Environmental Chemical Engineering, 2022, 10, 107955.	3.3	5
9	Chlorination for low-cost household water disinfection â€“ A critical review and status in three Latin American countries. International Journal of Hygiene and Environmental Health, 2022, 244, 114004.	2.1	27
10	Electrochemically assisted photocatalysis for the simultaneous degradation of organic micro-contaminants and inactivation of microorganisms in water. Chemical Engineering Research and Design, 2021, 147, 488-496.	2.7	20
11	Electrochemically assisted photocatalysis for the disinfection of rainwater under solar irradiation. Applied Catalysis B: Environmental, 2021, 281, 119485.	10.8	27
12	Assessment of low-cost cartridge filters for implementation in household drinking water treatment systems. Journal of Water Process Engineering, 2021, 39, 101710.	2.6	4
13	Solar Detoxification and Disinfection of Water. , 2021, , 1-28.		0
14	A Review of Photoelectrocatalytic Reactors for Water and Wastewater Treatment. Water (Switzerland), 2021, 13, 1198.	1.2	24
15	Worldwide Research Trends on Solar-Driven Water Disinfection. International Journal of Environmental Research and Public Health, 2021, 18, 9396.	1.2	6
16	UVC inactivation of MS2-phage in drinking water â€“ Modelling and field testing. Water Research, 2021, 203, 117496.	5.3	6
17	Household water purification system comprising cartridge filtration, UVC disinfection and chlorination to treat turbid raw water. Journal of Water Process Engineering, 2021, 43, 102203.	2.6	12
18	Conceptualising global water challenges: A transdisciplinary approach for understanding different discourses in sustainable development. Journal of Environmental Management, 2021, 298, 113361.	3.8	7

#	Article	IF	Citations
19	New trends on photoelectrocatalysis (PEC): nanomaterials, wastewater treatment and hydrogen generation. Current Opinion in Chemical Engineering, 2021, 34, 100725.	3.8	20
20	Hydrogen from wastewater by photocatalytic and photoelectrochemical treatment. JPhys Energy, 2021, 3, 012006.	2.3	23
21	Safe drinking water for rural communities using a low-cost household system. Effects of water matrix and field testing. Journal of Water Process Engineering, 2021, 44, 102400.	2.6	3
22	Inactivation of water pathogens with solar photo-activated persulfate oxidation. Chemical Engineering Journal, 2020, 381, 122275.	6.6	47
23	Predatory bacteria in combination with solar disinfection and solar photocatalysis for the treatment of rainwater. Water Research, 2020, 169, 115281.	5.3	36
24	Podoviridaebacteriophage for the biocontrol ofPseudomonas aeruginosain rainwater. Environmental Science: Water Research and Technology, 2020, 6, 87-102.	1.2	4
25	Assessment of a pilot solar V-trough reactor for solar water disinfection. Chemical Engineering Journal, 2020, 399, 125719.	6.6	25
26	Validation of large-volume batch solar reactors for the treatment of rainwater in field trials in sub-Saharan Africa. Science of the Total Environment, 2020, 717, 137223.	3.9	20
27	Photocatalytic inactivation of microorganisms in water. , 2020, , 229-248.		3
28	EMA-amplicon-based sequencing informs risk assessment analysis of water treatment systems. Science of the Total Environment, 2020, 743, 140717.	3.9	8
29	Investigating the impact of UV-C/H2O2 and sunlight/H2O2 on the removal of antibiotics, antibiotic resistance determinants and toxicity present in urban wastewater. Chemical Engineering Journal, 2020, 388, 124383.	6.6	64
30	A critical review on application of photocatalysis for toxicity reduction of real wastewaters. Journal of Cleaner Production, 2020, 258, 120694.	4.6	457
31	Drinking water treatment by multistage filtration on a household scale: Efficiency and challenges. Water Research, 2020, 178, 115816.	5.3	25
32	Inactivation of E. coli and E. faecalis by solar photo-Fenton with EDDS complex at neutral pH in municipal wastewater effluents. Journal of Hazardous Materials, 2019, 372, 85-93.	6.5	48
33	Reclamation of Real Urban Wastewater Using Solar Advanced Oxidation Processes: An Assessment of Microbial Pathogens and 74 Organic Microcontaminants Uptake in Lettuce and Radish. Environmental Science & Technology, 2019, 53, 9705-9714.	4.6	23
34	Microbiological Evaluation of 5 L- and 20 L-Transparent Polypropylene Buckets for Solar Water Disinfection (SODIS). Molecules, 2019, 24, 2193.	1.7	23
35	Identification of transformation products of carbamazepine in lettuce crops irrigated with Ultraviolet-C treated water. Environmental Pollution, 2019, 247, 1009-1019.	3.7	27
36	Organic Microcontaminants in Tomato Crops Irrigated with Reclaimed Water Grown under Field Conditions: Occurrence, Uptake, and Health Risk Assessment. Journal of Agricultural and Food Chemistry, 2019, 67, 6930-6939.	2.4	29

#	Article	IF	Citations
37	Tertiary treatment of urban wastewater by solar and UV-C driven advanced oxidation with peracetic acid: Effect on contaminants of emerging concern and antibiotic resistance. Water Research, 2019, 149, 272-281.	5.3	108
38	Homogeneous Fenton and Photo-Fenton Disinfection of Surface and Groundwater. Handbook of Environmental Chemistry, 2018, , 155-177.	0.2	4
39	Hepatitis A Virus Disinfection in Water by Solar Photoâ€“Fenton Systems. Food and Environmental Virology, 2018, 10, 159-166.	1.5	6
40	Solar treatment (H2O2, TiO2-P25 and GO-TiO2 photocatalysis, photo-Fenton) of organic micropollutants, human pathogen indicators, antibiotic resistant bacteria and related genes in urban wastewater. Water Research, 2018, 135, 195-206.	5.3	197
41	Advanced Oxidation Processes (AOPs) and Quantitative Analysis for Disinfection and Treatment of Water in the Vegetable Industry. , 2018, , 77-111.		0
42	Validation of a solar-thermal water disinfection model for Escherichia coli inactivation in pilot scale solar reactors and real conditions. Chemical Engineering Journal, 2018, 331, 831-840.	6.6	37
43	Validation and application of a multiresidue method based on liquid chromatography-tandem mass spectrometry for evaluating the plant uptake of 74 microcontaminants in crops irrigated with treated municipal wastewater. Journal of Chromatography A, 2018, 1534, 10-21.	1.8	51
44	Determination of organic microcontaminants in agricultural soils irrigated with reclaimed wastewater: Target and suspect approaches. Analytica Chimica Acta, 2018, 1030, 115-124.	2.6	43
45	Photocatalytic Inactivation of Enterobacter cloacae and Escherichia coli Using Titanium Dioxide Supported on Two Substrates. Processes, 2018, 6, 137.	1.3	7
46	Mechanistic model of the Escherichia coli inactivation by solar disinfection based on the photo-generation of internal ROS and the photo-inactivation of enzymes: CAT and SOD. Chemical Engineering Journal, 2017, 318, 214-223.	6.6	65
47	Mechanistic modeling of UV and mild-heat synergistic effect on solar water disinfection. Chemical Engineering Journal, 2017, 316, 111-120.	6.6	51
48	Introduction by guest editors. Catalysis Today, 2017, 280, 1.	2.2	0
49	Mechanism of photocatalytic disinfection using titania-graphene composites under UV and visible irradiation. Chemical Engineering Journal, 2017, 316, 179-186.	6.6	123
50	Disinfection of water inoculated with Enterococcus faecalis using solar/Fe(III)EDDS-H2O2 or S2O82â" process. Water Research, 2017, 118, 249-260.	5.3	69
51	Integration of Membrane Distillation with solar photo-Fenton for purification of water contaminated with Bacillus sp. and Clostridium sp. spores. Science of the Total Environment, 2017, 595, 110-118.	3.9	21
52	Solar photocatalytic disinfection of agricultural pathogenic fungi (Curvularia sp.) in real urban wastewater. Science of the Total Environment, 2017, 607-608, 1213-1224.	3.9	32
53	Can solar water-treatment really help in the fight against water shortages?. Europhysics News, 2017, 48, 26-30.	0.1	3
54	Legionella jordanis inactivation in water by solar driven processes: EMA-qPCR versus culture-based analyses for new mechanistic insights. Catalysis Today, 2017, 287, 15-21.	2.2	15

#	Article	IF	Citations
55	Assessment of solar photocatalysis using Ag/BiVO 4 at pilot solar Compound Parabolic Collector for inactivation of pathogens in well water and secondary effluents. Catalysis Today, 2017, 281, 124-134.	2.2	44
56	Photocatalytic inactivation of the waterborne protozoan parasite Cryptosporidium parvum using TiO 2 /H 2 O 2 under simulated and natural solar conditions. Catalysis Today, 2017, 280, 132-138.	2.2	19
57	Intracellular mechanisms of solar water disinfection. Scientific Reports, 2016, 6, 38145.	1.6	84
58	Solar disinfection is an augmentable, in situ -generated photo-Fenton reactionâ€"Part 1: A review of the mechanisms and the fundamental aspects of the process. Applied Catalysis B: Environmental, 2016, 199, 199-223.	10.8	253
59	Solar disinfection is an augmentable, in situ-generated photo-Fenton reactionâ€"Part 2: A review of the applications for drinking water and wastewater disinfection. Applied Catalysis B: Environmental, 2016, 198, 431-446.	10.8	160
60	Effect of iron salt counter ion in doseâ€"response curves for inactivation of Fusarium solani in water through solar driven Fenton-like processes. Physics and Chemistry of the Earth, 2016, 91, 46-52.	1.2	13
61	Decontamination and disinfection of water by solar photocatalysis: The pilot plants of the Plataforma Solar de Almeria. Materials Science in Semiconductor Processing, 2016, 42, 15-23.	1.9	152
62	Wastewater disinfection by neutral pH photo-Fenton: The role of solar radiation intensity. Applied Catalysis B: Environmental, 2016, 181, 1-6.	10.8	38
63	CHAPTER 3. Solar Photocatalytic Disinfection of Water. RSC Energy and Environment Series, 2016, , 72-91.	0.2	2
64	CHAPTER 4. Solar Photocatalysis: Fundamentals, Reactors and Applications. RSC Energy and Environment Series, 2016, , 92-129.	0.2	5
65	CHAPTER 6. Process Integration. Concepts of Integration and Coupling of Photocatalysis with Other Processes. RSC Energy and Environment Series, 2016, , 157-173.	0.2	2
66	Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and Î¼M concentrations of H2O2 and Fe2+/3+. Applied Catalysis B: Environmental, 2015, 174-175, 395-402.	10.8	45
67	Urban wastewater disinfection for agricultural reuse: effect of solar driven AOPs in the inactivation of a multidrug resistant E. coli strain. Applied Catalysis B: Environmental, 2015, 178, 65-73.	10.8	113
68	Solar photocatalysis: Materials, reactors, some commercial, and pre-industrialized applications. A comprehensive approach. Applied Catalysis B: Environmental, 2015, 170-171, 90-123.	10.8	541
69	Conventional and New Processes for Urban Wastewater Disinfection: Effect on Emerging and Resistant Microorganisms. Handbook of Environmental Chemistry, 2015, , 107-128.	0.2	3
70	Capability of 19-L polycarbonate plastic water cooler containers for efficient solar water disinfection (SODIS): Field case studies in India, Bahrain and Spain. Solar Energy, 2015, 116, 1-11.	2.9	49
71	Inactivation and regrowth of multidrug resistant bacteria in urban wastewater after disinfection by solar-driven and chlorination processes. Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 43-50.	1.7	122
72	A Review of Heterogeneous Photocatalysis for Water and Surface Disinfection. Molecules, 2015, 20, 5574-5615.	1.7	186

#	Article	IF	Citations
73	Cross-Contamination of Residual Emerging Contaminants and Antibiotic Resistant Bacteria in Lettuce Crops and Soil Irrigated with Wastewater Treated by Sunlight/H₂O₂. Environmental Science & Technology, 2015, 49, 11096-11104.	4.6	57
74	Assessing the validity of solar membrane distillation for disinfection of contaminated water. Desalination and Water Treatment, 2015, 55, 2792-2799.	1.0	21
75	Solar photocatalytic disinfection of water using titanium dioxide graphene composites. Chemical Engineering Journal, 2015, 261, 36-44.	6.6	145
76	Disinfection of urban effluents using solar TiO2 photocatalysis: A study of significance of dissolved oxygen, temperature, type of microorganism and water matrix. Catalysis Today, 2015, 240, 30-38.	2.2	78
77	Solar water disinfection (SODIS): Impact on hepatitis A virus and on a human Norovirus surrogate under natural solar conditions. International Microbiology, 2015, 18, 41-9.	1.1	14
78	Advanced Technologies for Emerging Contaminants Removal in Urban Wastewater. Handbook of Environmental Chemistry, 2014, , 145-169.	0.2	4
79	Advanced oxidation processes for environmental protection. Environmental Science and Pollution Research, 2014, 21, 12109-12111.	2.7	6
80	Reduction of clarithromycin and sulfamethoxazole-resistant Enterococcus by pilot-scale solar-driven Fenton oxidation. Science of the Total Environment, 2014, 468-469, 19-27.	3.9	77
81	Disinfection of real and simulated urban wastewater effluents using a mild solar photo-Fenton. Applied Catalysis B: Environmental, 2014, 150-151, 619-629.	10.8	120
82	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.	2.0	98
83	Solar photocatalysis for water disinfection: materials and reactor design. Catalysis Science and Technology, 2014, 4, 1211-1226.	2.1	165
84	Evaluation of solar disinfection of E. coli under Sub-Saharan field conditions using a 25L borosilicate glass batch reactor fitted with a compound parabolic collector. Solar Energy, 2014, 100, 195-202.	2.9	40
85	Assessment of solar photo-Fenton, photocatalysis, and H2O2 for removal of phytopathogen fungi spores in synthetic and real effluents of urban wastewater. Chemical Engineering Journal, 2014, 257, 122-130.	6.6	49
86	Solar photo-Fenton for water disinfection: An investigation of the competitive role of model organic matter for oxidative species. Applied Catalysis B: Environmental, 2014, 148-149, 484-489.	10.8	49
87	Inactivation of natural enteric bacteria in real municipal wastewater by solar photo-Fenton at neutral pH. Water Research, 2014, 63, 316-324.	5.3	57
88	Nitrogen and copper doped solar light active TiO2 photocatalysts for water decontamination. Applied Catalysis B: Environmental, 2013, 130-131, 8-13.	10.8	128
89	Solar Photocatalytic Processes: Water Decontamination and Disinfection. , 2013, , 371-393.		3
90	Inactivation of Enterococcus faecalis in simulated wastewater treatment plant effluent by solar photo-Fenton at initial neutral pH. Catalysis Today, 2013, 209, 195-200.	2.2	39

#	Article	IF	Citations
91	Solar photocatalytic inactivation of Fusarium Solani over TiO2 nanomaterials with controlled morphologyâ€"Formic acid effect. Catalysis Today, 2013, 209, 147-152.	2.2	16
92	Benefits of photo-Fenton at low concentrations for solar disinfection of distilled water. A case study: Phytophthora capsici. Catalysis Today, 2013, 209, 181-187.	2.2	39
93	Solar Advanced Oxidation Processes as disinfection tertiary treatments for real wastewater: Implications for water reclamation. Applied Catalysis B: Environmental, 2013, 136-137, 341-350.	10.8	95
94	Evaluation of the Solar Water Disinfection Process (SODIS) Against Cryptosporidium parvum Using a 25-L Static Solar Reactor Fitted with a Compound Parabolic Collector (CPC). American Journal of Tropical Medicine and Hygiene, 2012, 86, 223-228.	0.6	21
95	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
96	Solar disinfection of wastewater to reduce contamination of lettuce crops by Escherichia coli in reclaimed water irrigation. Water Research, 2012, 46, 6040-6050.	5.3	101
97	Water disinfection using photo-Fenton: Effect of temperature on Enterococcus faecalis survival. Water Research, 2012, 46, 6154-6162.	5.3	63
98	Speeding up the solar water disinfection process (SODIS) against Cryptosporidium parvum by using 2.5l static solar reactors fitted with compound parabolic concentrators (CPCs). Acta Tropica, 2012, 124, 235-242.	0.9	20
99	Optimization of mild solar TiO2 photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. Applied Catalysis B: Environmental, 2012, 128, 119-125.	10.8	29
100	Solar photocatalytic disinfection of water with immobilised titanium dioxide in re-circulating flow CPC reactors. Applied Catalysis B: Environmental, 2012, 128, 126-134.	10.8	89
101	Solar water disinfection (SODIS): A review from bench-top to roof-top. Journal of Hazardous Materials, 2012, 235-236, 29-46.	6.5	421
102	Comparison of different solar reactors for household disinfection of drinking water in developing countries: evaluation of their efficacy in relation to the waterborne enteropathogen Cryptosporidium parvum. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2012, 106, 645-652.	0.7	15
103	Mild solar photo-Fenton: An effective tool for the removal of Fusarium from simulated municipal effluents. Applied Catalysis B: Environmental, 2012, 111-112, 545-554.	10.8	66
104	Bacteria and fungi inactivation using Fe3+/sunlight, H2O2/sunlight and near neutral photo-Fenton: A comparative study. Applied Catalysis B: Environmental, 2012, 121-122, 20-29.	10.8	115
105	UV solar radiation on a tilted and horizontal plane: Analysis and comparison of 4years of measurements. Solar Energy, 2012, 86, 307-318.	2.9	20
106	Solar disinfection of fungal spores in water aided by low concentrations of hydrogen peroxide. Photochemical and Photobiological Sciences, 2011, 10, 381-388.	1.6	54
107	Elimination of water pathogens with solar radiation using an automated sequential batch CPC reactor. Journal of Hazardous Materials, 2011, 196, 16-21.	6.5	49
108	Photocatalytic Enhancement for Solar Disinfection of Water: A Review. International Journal of Photoenergy, 2011, 2011, 1-12.	1.4	172

#	Article	IF	Citations
109	Resistance of Fusarium sp spores to solar TiO₂ photocatalysis: influence of spore type and water (scalingâ€up results). Journal of Chemical Technology and Biotechnology, 2010, 85, 1038-1048.	1.6	45
110	Investigating the microbial inactivation efficiency of a 25 L batch solar disinfection (SODIS) reactor enhanced with a compound parabolic collector (CPC) for household use. Journal of Chemical Technology and Biotechnology, 2010, 85, 1028-1037.	1.6	76
111	A preliminary Ames fluctuation assay assessment of the genotoxicity of drinking water that has been solar disinfected in polyethylene terephthalate (PET) bottles. Journal of Water and Health, 2010, 8, 712-719.	1.1	31
112	Solar photocatalytic disinfection with immobilised TiO2 at pilot-plant scale. Water Science and Technology, 2010, 61, 507-512.	1.2	31
113	Technologies for Advanced Wastewater Treatment in the Mediterranean Region. Handbook of Environmental Chemistry, 2010, , 1-28.	0.2	3
114	Efficacy of the solar water disinfection method in turbid waters experimentally contaminated with Cryptosporidium parvum oocysts under real field conditions. Tropical Medicine and International Health, 2009, 14, 620-627.	1.0	35
115	UV-A (315â€“400nm) irradiance from measurements at 380nm for solar water treatment and disinfection: Comparison between model and measurements in Buenos Aires, Argentina and AlmerÃa, Spain. Solar Energy, 2009, 83, 280-286.	2.9	10
116	Review of feasible solar energy applications to water processes. Renewable and Sustainable Energy Reviews, 2009, 13, 1437-1445.	8.2	177
117	Photocatalytic disinfection of natural well water contaminated by Fusarium solani using TiO2 slurry in solar CPC photo-reactors. Catalysis Today, 2009, 144, 62-68.	2.2	81
118	Decontamination and disinfection of water by solar photocatalysis: Recent overview and trends. Catalysis Today, 2009, 147, 1-59.	2.2	2,574
119	Lethal synergy of solar UV-radiation and H2O2 on wild Fusarium solani spores in distilled and natural well water. Water Research, 2009, 43, 1841-1850.	5.3	68
120	Solar disinfection of drinking water (SODIS): an investigation of the effect of UV-A dose on inactivation efficiency. Photochemical and Photobiological Sciences, 2009, 8, 587-595.	1.6	107
121	Effectiveness of solar disinfection using batch reactors with non-imaging aluminium reflectors under real conditions: Natural well-water and solar light. Journal of Photochemistry and Photobiology B: Biology, 2008, 93, 155-161.	1.7	72
122	Bactericidal Effect of Solar Water Disinfection under Real Sunlight Conditions. Applied and Environmental Microbiology, 2008, 74, 2997-3001.	1.4	130
123	Solar Photocatalytic Detoxification and Disinfection of Water: Recent Overview. Journal of Solar Energy Engineering, Transactions of the ASME, 2007, 129, 4-15.	1.1	183
124	Photocatalytic decontamination and disinfection of water with solar collectors. Catalysis Today, 2007, 122, 137-149.	2.2	252
125	Effect of UV solar intensity and dose on the photocatalytic disinfection of bacteria and fungi. Catalysis Today, 2007, 129, 152-160.	2.2	142
126	Disinfection of drinking water contaminated with Cryptosporidium parvum oocysts under natural sunlight and using the photocatalyst TiO2. Journal of Photochemistry and Photobiology B: Biology, 2007, 88, 105-111.	1.7	82

#	Article	IF	Citations
127	Photocatalytic degradation of EU priority substances: A comparison between TiO2 and Fenton plus photo-Fenton in a solar pilot plant. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 354-363.	2.0	90
128	Effects of experimental conditions on E. coli survival during solar photocatalytic water disinfection. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 239-246.	2.0	105
129	Solar photocatalytic disinfection of agricultural pathogenic fungi: Fusarium species. Applied Catalysis B: Environmental, 2007, 74, 152-160.	10.8	118
130	Solar heterogeneous and homogeneous photocatalysis as a pre-treatment option for biotreatment. Research on Chemical Intermediates, 2007, 33, 407-420.	1.3	20
131	Enhancing biodegradability of priority substances (pesticides) by solar photo-Fenton. Water Research, 2006, 40, 1086-1094.	5.3	120
132	Photo-Fenton degradation of alachlor, atrazine, chlorfenvinphos, diuron, isoproturon and pentachlorophenol at solar pilot plant. International Journal of Environment and Pollution, 2006, 27, 135.	0.2	18
133	Batch solar disinfection inactivates oocysts of Cryptosporidium parvum and cysts of Giardia muris in drinking water. Journal of Applied Microbiology, 2006, 101, 453-463.	1.4	93
134	Degradation of pesticides in water using solar advanced oxidation processes. Applied Catalysis B: Environmental, 2006, 64, 272-281.	10.8	130
135	Solar photo-Fenton treatmentâ€"Process parameters and process control. Applied Catalysis B: Environmental, 2006, 64, 121-130.	10.8	128
136	A Comparative Study of Supported TiO2 as Photocatalyst in Water Decontamination at Solar Pilot Plant Scale. Journal of Solar Energy Engineering, Transactions of the ASME, 2006, 128, 331-337.	1.1	19
137	Environmental applications of solar energy (introduction by guest editors). Solar Energy, 2005, 79, 341-342.	2.9	0
138	Introduction by guest editors. Catalysis Today, 2005, 101, 185-186.	2.2	2
139	Supported Fe/C and Fe/Nafion/C catalysts for the photo-Fenton degradation of Orange II under solar irradiation. Catalysis Today, 2005, 101, 375-382.	2.2	70
140	Water disinfection by solar photocatalysis using compound parabolic collectors. Catalysis Today, 2005, 101, 345-352.	2.2	166
141	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. Environmental Chemistry Letters, 2005, 3, 118-121.	8.3	25
142	Treatment of chlorinated solvents by TiO2 photocatalysis and photo-Fenton: influence of operating conditions in a solar pilot plant. Chemosphere, 2005, 58, 391-398.	4.2	48
143	Photocatalytic disinfection of water using low cost compound parabolic collectors. Solar Energy, 2004, 77, 625-633.	2.9	62
144	Engineering of solar photocatalytic collectors. Solar Energy, 2004, 77, 513-524.	2.9	220

#	Article	IF	Citations
145	Application of the colloidal stability of TiO2 particles for recovery and reuse in solar photocatalysis. Water Research, 2003, 37, 3180-3188.	5.3	217
146	New large solar photocatalytic plant: set-up and preliminary results. Chemosphere, 2002, 47, 235-240.	4.2	49
147	A comparison of prototype compound parabolic collector-reactors (CPC) on the road to SOLARDETOX technology. Water Science and Technology, 2001, 44, 271-278.	1.2	10
148	Treatment of 2,4-Dichlorophenol by Solar Photocatalysis: Comparison of Coupled Photocatalytic-Active Carbon vs. Active Carbon. Journal of Solar Energy Engineering, Transactions of the ASME, 2001, 123, 138-142.	1.1	16
149	Titanium Dioxide/Electrolyte Solution Interface: Electron Transfer Phenomena. Journal of Colloid and Interface Science, 2000, 227, 510-516.	5.0	54
150	Optimising solar photocatalytic mineralisation of pesticides by adding inorganic oxidising species; application to the recycling of pesticide containers. Applied Catalysis B: Environmental, 2000, 28, 163-174.	10.8	112
151	Interfase Ã“xido/Electrolito: FenÃ³meno de transferencia de electrones. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 498-502.	0.9	4
152	Relationship between TiO2 particle size and reactor diameter in solar photoreactors efficiency. Catalysis Today, 1999, 54, 195-204.	2.2	70
153	Photoelectrochemical reactors for the solar decontamination of water. Catalysis Today, 1999, 54, 329-339.	2.2	67
154	In vitro toxicity studies of novel solar water disinfection reactors using the E-screen bioassay and the Ames test. H2Open Journal, 0, , .	0.8	0