

Javier Marugan

List of Publications by Year in descending order

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137
papers

4,488
citations

87888

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138
all docs

138
docs citations

138
times ranked

4620
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the bactericidal efficacy of solar disinfection (SODIS): from kinetic modeling of in vitro tests towards the in silico forecast of E. coli inactivation. <i>Chemical Engineering Journal</i> , 2022, 427, 130866.	12.7	7
2	A model to predict the kinetics of direct (endogenous) virus inactivation by sunlight at different latitudes and seasons, based on the equivalent monochromatic wavelength approach. <i>Water Research</i> , 2022, 208, 117837.	11.3	5
3	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. <i>Science of the Total Environment</i> , 2022, 808, 152050.	8.0	10
4	Weathering of plastic SODIS containers and the impact of ageing on their lifetime and disinfection efficacy. <i>Chemical Engineering Journal</i> , 2022, 435, 134881.	12.7	12
5	Hydrogen production by thermochemical water splitting with $\text{La}_{0.8}\text{Al}_{0.2}\text{MeO}_{3-\delta}$ (Me= Fe, Co, Ni and Cu) perovskites prepared under controlled pH. <i>Catalysis Today</i> , 2022, 390-391, 22-33.	4.4	8
6	Dynamic concentration factor: A novel parameter for the rigorous evaluation of solar compound parabolic collectors. <i>Chemical Engineering Journal</i> , 2022, 437, 135360.	12.7	2
7	Mechanistic modelling of solar disinfection (SODIS) kinetics of Escherichia coli, enhanced with H_2O_2 – Part 2: Shine on you, crazy peroxide. <i>Chemical Engineering Journal</i> , 2022, 439, 135783.	12.7	2
8	Mechanistic modelling of solar disinfection (SODIS) kinetics of Escherichia coli, enhanced with H_2O_2 – part 1: The dark side of peroxide. <i>Chemical Engineering Journal</i> , 2022, 439, 135709.	12.7	3
9	Assessing the efficacy of novel and conventional disinfectants on Salmonella cross contamination during washing of fresh-cut lettuce and their impact on product shelf life. <i>LWT - Food Science and Technology</i> , 2022, 162, 113441.	5.2	3
10	Experimental evaluation and energy analysis of a two-step water splitting thermochemical cycle for solar hydrogen production based on $\text{La}_{0.8}\text{Sr}_{0.2}\text{CoO}_{3-\delta}$ perovskite. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41209-41222.	7.1	10
11	Proliferation of osteoblast precursor cells on the surface of TiO_2 nanowires anodically grown on a β -type biomedical titanium alloy. <i>Scientific Reports</i> , 2022, 12, 7895.	3.3	4
12	Using Focused Beam Laser Reflectance Measurements To Determine Asphaltene Aggregation Stability. <i>Energy & Fuels</i> , 2022, 36, 6058-6068.	5.1	1
13	Solar Disinfection as a Water Treatment Technology. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022, , 563-578.	0.1	0
14	H_2 production by thermochemical water splitting with reticulated porous structures of ceria-based mixed oxide materials. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17458-17471.	7.1	22
15	Mechanistic modelling of wastewater disinfection by the photo-Fenton process at circumneutral pH. <i>Chemical Engineering Journal</i> , 2021, 403, 126335.	12.7	23
16	Improved Thermochemical Energy Storage Behavior of Manganese Oxide by Molybdenum Doping. <i>Molecules</i> , 2021, 26, 583.	3.8	7
17	Modeling of H_2 Permeation through Electroless Pore-Plated Composite Pd Membranes Using Computational Fluid Dynamics. <i>Membranes</i> , 2021, 11, 123.	3.0	3
18	Coupling biological and photocatalytic treatment of atrazine and tebuthiuron in aqueous solution. <i>Journal of Water Process Engineering</i> , 2021, 40, 101918.	5.6	7

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19	Evaluation of membranes performance for microplastic removal in a simple and low-cost filtration system. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100075.	6.1	41
20	Solar Water Disinfection to Produce Safe Drinking Water: A Review of Parameters, Enhancements, and Modelling Approaches to Make SODIS Faster and Safer. <i>Molecules</i> , 2021, 26, 3431.	3.8	28
21	High-performance low-cost solar collectors for water treatment fabricated with recycled materials, open-source hardware and 3d-printing technologies. <i>Science of the Total Environment</i> , 2021, 784, 147119.	8.0	15
22	Thermochemical Energy Storage Using the Phase Transitions Brownmillerite-2H Perovskite - Cubic Perovskite in the $\text{Ca}_{1-x}\text{Sr}_x\text{Ti}_{1-x}\text{Co}_x\text{O}_{3-\delta}$ ($x=0$ and $T_j \text{ ET} @ 0.0 \text{ r} \text{ g} \text{ BT} / \text{Overlo}$	0.0	0
23	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis. <i>Advanced Functional Materials</i> , 2021, 31, 2105384.	14.9	25
24	Photocatalytic inactivation of dual- and mono-species biofilms by immobilized TiO ₂ . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 221, 112253.	3.8	5
25	SODIS potential: A novel parameter to assess the suitability of solar water disinfection worldwide. <i>Chemical Engineering Journal</i> , 2021, 419, 129889.	12.7	20
26	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis (<i>Adv. Funct. Mater.</i> 51/2021). <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	0
27	Modelling the combined effect of chlorine, benzyl isothiocyanate, exposure time and cut size on the reduction of Salmonella in fresh-cut lettuce during washing process. <i>Food Microbiology</i> , 2020, 86, 103346.	4.2	17
28	Solar Disinfection as a Water Treatment Technology. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 1-16.	0.1	9
29	Kinetic modeling of the synergistic thermal and spectral actions on the inactivation of <i>Cryptosporidium parvum</i> in water by sunlight. <i>Water Research</i> , 2020, 185, 116226.	11.3	13
30	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , 2020, , 269-298.	0.4	1
31	Multitarget Evaluation of the Photocatalytic Activity of P25-SiO ₂ Prepared by Atomic Layer Deposition. <i>Catalysts</i> , 2020, 10, 450.	3.5	6
32	Material selection and prediction of solar irradiance in plastic devices for application of solar water disinfection (SODIS) to inactivate viruses, bacteria and protozoa. <i>Science of the Total Environment</i> , 2020, 730, 139126.	8.0	40
33	Hydrogen production by water splitting with Mn _{3-x} Co _x O ₄ mixed oxides thermochemical cycles: A thermodynamic analysis. <i>Energy Conversion and Management</i> , 2020, 216, 112945.	9.2	11
34	Synergistic and antagonistic effects in the photoelectrocatalytic disinfection of water with TiO ₂ supported on activated carbon as a bipolar electrode in a novel 3D photoelectrochemical reactor. <i>Separation and Purification Technology</i> , 2020, 247, 117002.	7.9	30
35	Intestinal parasitosis, anaemia and risk factors among pre-school children in Tigray region, northern Ethiopia. <i>BMC Infectious Diseases</i> , 2020, 20, 379.	2.9	14
36	Solar water disinfection in high-volume containers: Are naturally occurring substances attenuating factors of radiation?. <i>Chemical Engineering Journal</i> , 2020, 399, 125852.	12.7	15

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37	Kinetic modeling of the synergistic thermal and spectral actions on the inactivation of viruses in water by sunlight. <i>Water Research</i> , 2020, 183, 116074.	11.3	20
38	Photocatalytic degradation of atrazine in aqueous solution using hyperbranched polyethyleneimine templated morphologies of BiVO ₄ fused with Bi ₂ O ₃ . <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104215.	6.7	20
39	Enhanced numerical simulation of photocatalytic reactors with an improved solver for the radiative transfer equation. <i>Chemical Engineering Journal</i> , 2020, 388, 124183.	12.7	19
40	Experimental assessment of the cyclability of the Mn ₂ O ₃ /MnO thermochemical cycle for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 91-100.	7.1	11
41	Novel Perovskite Materials for Thermal Water Splitting at Moderate Temperature. <i>ChemSusChem</i> , 2019, 12, 4029-4037.	6.8	9
42	Improved discrete ordinate method for accurate simulation radiation transport using solar and LED light sources. <i>Chemical Engineering Science</i> , 2019, 205, 151-164.	3.8	38
43	Synthesis of platelet-like BiVO ₄ using hyperbranched polyethyleneimine for the formation of heterojunctions with Bi ₂ O ₃ . <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1501-1514.	3.1	12
44	Evaluation of transformation products from chemical oxidation of micropollutants in wastewater by photoassisted generation of sulfate radicals. <i>Chemosphere</i> , 2019, 226, 509-519.	8.2	30
45	Critical role of the light spectrum on the simulation of solar photocatalytic reactors. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 1-9.	20.2	23
46	Comparing potentiostatic and galvanostatic anodization of titanium membranes for hybrid photocatalytic/microfiltration processes. <i>Applied Catalysis A: General</i> , 2019, 578, 40-52.	4.3	9
47	Novel macroporous 3D photocatalytic foams for simultaneous wastewater disinfection and removal of contaminants of emerging concern. <i>Chemical Engineering Journal</i> , 2019, 366, 449-459.	12.7	48
48	Novel procedure for the numerical simulation of solar water disinfection processes in flow reactors. <i>Chemical Engineering Journal</i> , 2019, 376, 120194.	12.7	14
49	Assessment of full-scale tertiary wastewater treatment by UV-C based-AOPs: Removal or persistence of antibiotics and antibiotic resistance genes?. <i>Science of the Total Environment</i> , 2019, 652, 1051-1061.	8.0	115
50	Photocatalytic NO _x removal: Rigorous kinetic modelling and ISO standard reactor simulation. <i>Catalysis Today</i> , 2019, 326, 82-93.	4.4	26
51	Hybrid UV-C/microfiltration process in membrane photoreactor for wastewater disinfection. <i>Environmental Science and Pollution Research</i> , 2019, 26, 36080-36087.	5.3	11
52	Intensification of UV-C tertiary treatment: Disinfection and removal of micropollutants by sulfate radical based Advanced Oxidation Processes. <i>Journal of Hazardous Materials</i> , 2019, 372, 94-102.	12.4	81
53	Modeling the anodization of large titanium electrodes. <i>Chemical Engineering Science</i> , 2018, 186, 74-83.	3.8	4
54	Quantitative Methods for Life Cycle Assessment (LCA) Applied to the Vegetable Industry. , 2018, , 255-293.		2

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55	Advanced Oxidation Processes (AOPs) and Quantitative Analysis for Disinfection and Treatment of Water in the Vegetable Industry. , 2018, , 77-111.		0
56	Influence of anodization mode on the morphology and photocatalytic activity of TiO ₂ -NTs array large size electrodes. Catalysis Today, 2018, 313, 33-39.	4.4	16
57	Micropollutants removal by full-scale UV-C/sulfate radical based Advanced Oxidation Processes. Science of the Total Environment, 2018, 630, 1216-1225.	8.0	72
58	Wavelength dependence of the efficiency of photocatalytic processes for water treatment. Applied Catalysis B: Environmental, 2018, 221, 258-265.	20.2	29
59	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.	12.7	37
60	Risk factors for diarrhoea and malnutrition among children under the age of 5 years in the Tigray Region of Northern Ethiopia. PLoS ONE, 2018, 13, e0207743.	2.5	46
61	Comparative Evaluation of OpenFOAM® and ANSYS® Fluent for the Modeling of Annular Reactors. Chemical Engineering and Technology, 2018, 41, 1473-1483.	1.5	7
62	Concomitant inactivation of Acanthamoeba spp. and Escherichia coli using suspended and immobilized TiO ₂ . Water Research, 2018, 144, 512-521.	11.3	22
63	Novel antimicrobial agents as alternative to chlorine with potential applications in the fruit and vegetable processing industry. International Journal of Food Microbiology, 2018, 285, 92-97.	4.7	33
64	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.	12.7	65
65	Bacterial inactivation and degradation of organic molecules by titanium dioxide supported on porous stainless steel photocatalytic membranes. Chemical Engineering Journal, 2017, 318, 29-38.	12.7	46
66	Mechanistic modeling of UV and mild-heat synergistic effect on solar water disinfection. Chemical Engineering Journal, 2017, 316, 111-120.	12.7	51
67	Thermochemical hydrogen production using manganese cobalt spinels as redox materials. International Journal of Hydrogen Energy, 2017, 42, 13532-13543.	7.1	26
68	Influence of light distribution on the performance of photocatalytic reactors: LED vs mercury lamps. Applied Catalysis B: Environmental, 2017, 215, 1-7.	20.2	103
69	Effects of natural antimicrobials on prevention and reduction of bacterial cross-contamination during the washing of ready-to-eat fresh-cut lettuce. Food Science and Technology International, 2017, 23, 403-414.	2.2	7
70	A calibrated UV-LED based light source for water purification and characterisation of photocatalysis. Photochemical and Photobiological Sciences, 2017, 16, 1690-1699.	2.9	25
71	Performance of TiO ₂ photoanodes toward oxidation of methanol and E. coli inactivation in water in a scaled-up photoelectrocatalytic reactor. Electrochimica Acta, 2017, 258, 599-606.	5.2	25
72	Synthesis, Characterization, and Photonic Efficiency of Novel Photocatalytic Niobium Oxide Materials. Global Challenges, 2017, 1, 1700066.	3.6	20

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73	Design and validation of a LED-based high intensity photocatalytic reactor for quantifying activity measurements. <i>Chemical Engineering Journal</i> , 2017, 327, 1043-1055.	12.7	94
74	Comprehensive multiphysics modeling of photocatalytic processes by computational fluid dynamics based on intrinsic kinetic parameters determined in a differential photoreactor. <i>Chemical Engineering Journal</i> , 2017, 310, 368-380.	12.7	74
75	Electrochemical Enhancement of Photocatalytic Disinfection on Aligned TiO ₂ and Nitrogen Doped TiO ₂ Nanotubes. <i>Molecules</i> , 2017, 22, 704.	3.8	32
76	Novel simple method for preparing tailored polymer-titania nanotubes hybrid materials. <i>Materials Letters</i> , 2016, 174, 95-98.	2.6	1
77	Photocatalytic Escherichia coli inactivation by means of trivalent Er ³⁺ , Y ³⁺ doping of BiVO ₄ system. <i>Applied Catalysis A: General</i> , 2016, 526, 126-131.	4.3	20
78	Perovskite materials for hydrogen production by thermochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19329-19338.	7.1	77
79	Photocatalytic Activity of Suspended and Immobilized Niobium Oxide for Methanol Oxidation and Escherichia coli Inactivation. <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	1
80	Understanding the effect of morphology on the photocatalytic activity of TiO ₂ nanotube array electrodes. <i>Electrochimica Acta</i> , 2016, 191, 521-529.	5.2	105
81	Photocatalytic Disinfection and Removal of Emerging Pollutants from Effluents of Biological Wastewater Treatments, Using a Newly Developed Large-Scale Solar Simulator. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2952-2958.	3.7	38
82	CHAPTER 14. Fundamentals of Radiation Transport in Absorbing Scattering Media. <i>RSC Energy and Environment Series</i> , 2016, , 349-366.	0.5	5
83	CHAPTER 15. Photocatalytic Reactor Design. <i>RSC Energy and Environment Series</i> , 2016, , 367-387.	0.5	4
84	CHAPTER 4. Solar Photocatalysis: Fundamentals, Reactors and Applications. <i>RSC Energy and Environment Series</i> , 2016, , 92-129.	0.5	5
85	Photocatalytic inactivation of Escherichia coli aqueous suspensions in a fixed-bed reactor. <i>Catalysis Today</i> , 2015, 252, 143-149.	4.4	19
86	Effect of Liquid Feed-Stock Composition on the Morphology of Titanium Dioxide Films Deposited by Thermal Plasma Spray. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6651-6662.	0.9	2
87	Kinetic modelling of Escherichia coli inactivation in a photocatalytic wall reactor. <i>Catalysis Today</i> , 2015, 240, 9-15.	4.4	18
88	Photocatalytic activity of bismuth vanadates under UV-A and visible light irradiation: Inactivation of Escherichia coli vs oxidation of methanol. <i>Catalysis Today</i> , 2015, 240, 93-99.	4.4	31
89	Correlation between photoelectrochemical behaviour and photoelectrocatalytic activity and scaling-up of P25-TiO ₂ electrodes. <i>Electrochimica Acta</i> , 2014, 130, 261-270.	5.2	40
90	Study of the hydrogen production step of the Mn ₂ O ₃ /MnO thermochemical cycle. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5274-5282.	7.1	11

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91	Modeling of a bench-scale photocatalytic reactor for water disinfection from laboratory-scale kinetic data. <i>Chemical Engineering Journal</i> , 2013, 224, 39-45.	12.7	30
92	Study of bacterial adhesion onto immobilized TiO ₂ : Effect on the photocatalytic activity for disinfection applications. <i>Catalysis Today</i> , 2013, 209, 140-146.	4.4	27
93	Emerging micropollutant oxidation during disinfection processes using UV-C, UV-C/H ₂ O ₂ , UV-A/TiO ₂ and UV-A/TiO ₂ /H ₂ O ₂ . <i>Water Research</i> , 2013, 47, 1237-1245.	11.3	88
94	Photoelectrocatalytic study and scaling up of titanium dioxide electrodes for wastewater treatment. <i>Water Science and Technology</i> , 2013, 68, 999-1003.	2.5	7
95	Determination of Photochemical, Electrochemical and Photoelectrochemical Efficiencies in a Photoelectrocatalytic Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 787-797.	1.1	7
96	Simultaneous photocatalytic oxidation of pharmaceuticals and inactivation of <i>Escherichia coli</i> in wastewater treatment plant effluents with suspended and immobilised TiO ₂ . <i>Water Science and Technology</i> , 2012, 65, 2016-2023.	2.5	18
97	Kinetic modelling of the first step of Mn ₂ O ₃ /MnO thermochemical cycle for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18661-18671.	7.1	33
98	Study of the first step of the Mn ₂ O ₃ /MnO thermochemical cycle for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 7017-7025.	7.1	40
99	Comparative evaluation of acute toxicity by <i>Vibrio fischeri</i> and fern spore based bioassays in the follow-up of toxic chemicals degradation by photocatalysis. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 117-122.	12.4	42
100	Photocatalytic inactivation of bacteria in a fixed-bed reactor: Mechanistic insights by epifluorescence microscopy. <i>Catalysis Today</i> , 2011, 161, 133-139.	4.4	34
101	Rigorous kinetic modelling with explicit radiation absorption effects of the photocatalytic inactivation of bacteria in water using suspended titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 404-416.	20.2	38
102	Comparison between the photocatalytic inactivation of Gram-positive <i>E. faecalis</i> and Gram-negative <i>E. coli</i> faecal contamination indicator microorganisms. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 212-220.	20.2	123
103	Kinetics and influence of water composition on photocatalytic disinfection and photocatalytic oxidation of pollutants. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1435-1440.	2.2	13
104	Photocatalytic inactivation of <i>E. faecalis</i> in secondary wastewater plant effluents. <i>Water Science and Technology</i> , 2010, 61, 2355-2361.	2.5	12
105	Kinetic modelling of the photocatalytic inactivation of bacteria. <i>Water Science and Technology</i> , 2010, 61, 1547-1553.	2.5	10
106	Solar photocatalytic disinfection with immobilised TiO ₂ at pilot-plant scale. <i>Water Science and Technology</i> , 2010, 61, 507-512.	2.5	31
107	Analogies and differences between photocatalytic oxidation of chemicals and photocatalytic inactivation of microorganisms. <i>Water Research</i> , 2010, 44, 789-796.	11.3	101
108	Sol-Gel Titania and Titania-Silica Mixed Oxides Photocatalysts. <i>Solid State Phenomena</i> , 2010, 162, 221-238.	0.3	3

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109	Influence of Hydrocarbon Distribution in Crude Oil and Residues on Asphaltene Stability. Energy & Fuels, 2010, 24, 2281-2286.	5.1	23
110	Comparison of the photocatalytic disinfection of E. coli suspensions in slurry, wall and fixed-bed reactors. Catalysis Today, 2009, 144, 48-54.	4.4	105
111	Scaling-up of slurry reactors for the photocatalytic oxidation of cyanide with TiO ₂ and silica-supported TiO ₂ suspensions. Catalysis Today, 2009, 144, 87-93.	4.4	52
112	Simultaneous photocatalytic reduction of silver and oxidation of cyanide from dicyanoargentate solutions. Applied Catalysis B: Environmental, 2009, 86, 53-62.	20.2	48
113	Corrigendum to "Kinetics of the photocatalytic disinfection of Escherichia coli suspensions" [Appl. Catal. B: Environ. 82 (2008) 27-36]. Applied Catalysis B: Environmental, 2009, 88, 582-583.	20.2	10
114	Synthesis, characterization and activity of photocatalytic sol-gel TiO ₂ powders and electrodes. Applied Catalysis B: Environmental, 2009, 89, 273-283.	20.2	42
115	Photocatalytic inactivation of bacteria in water using suspended and immobilized silver-TiO ₂ . Applied Catalysis B: Environmental, 2009, 93, 112-118.	20.2	109
116	Characterization of the Asphaltene Onset Region by Focused-Beam Laser Reflectance: A Tool for Additives Screening. Energy & Fuels, 2009, 23, 1155-1161.	5.1	15
117	Adaptación al Espacio europeo de Educación superior: experiencia en una asignatura de recursos energéticos. Revista De Docencia Universitaria, 2009, 7, 1.	0.3	1
118	Intrinsic kinetic modeling with explicit radiation absorption effects of the photocatalytic oxidation of cyanide with TiO ₂ and silica-supported TiO ₂ suspensions. Applied Catalysis B: Environmental, 2008, 85, 48-60.	20.2	75
119	Kinetics of the photocatalytic disinfection of Escherichia coli suspensions. Applied Catalysis B: Environmental, 2008, 82, 27-36.	20.2	232
120	Properties of Asphaltenes Precipitated with Different n-Alkanes. A Study To Assess the Most Representative Species for Modeling. Energy & Fuels, 2008, 22, 763-769.	5.1	43
121	Influence of the Synthesis pH on the Properties and Activity of Sol-Gel TiO ₂ Photocatalysts. International Journal of Photoenergy, 2008, 2008, 1-7.	2.5	8
122	Comparison of Empirical and Kinetic Modeling of the Photocatalytic Oxidation of Cyanide. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	3
123	Photocatalytic Decolorization and Mineralization of Dyes with Nanocrystalline TiO ₂ /SiO ₂ Materials. Industrial & Engineering Chemistry Research, 2007, 46, 7605-7610.	3.7	40
124	On the comparison of photocatalysts activity: A novel procedure for the measurement of titania surface in TiO ₂ /SiO ₂ materials. Catalysis Today, 2007, 124, 103-109.	4.4	27
125	Quantum efficiency of cyanide photooxidation with TiO ₂ /SiO ₂ catalysts: Multivariate analysis by experimental design. Catalysis Today, 2007, 129, 143-151.	4.4	23
126	Solar photocatalytic degradation of dichloroacetic acid with silica-supported titania at pilot-plant scale. Catalysis Today, 2007, 129, 59-68.	4.4	26

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127	Fe/TiO ₂ /pH Interactions in Solar Degradation of Imidacloprid with TiO ₂ /SiO ₂ Photocatalysts at Pilot-Plant Scale. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 8900-8908.	3.7	28
128	Optical density and photonic efficiency of silica-supported TiO ₂ photocatalysts. <i>Water Research</i> , 2006, 40, 833-839.	11.3	57
129	A comprehensive study of the synthesis, characterization and activity of TiO ₂ and mixed TiO ₂ /SiO ₂ photocatalysts. <i>Applied Catalysis A: General</i> , 2006, 312, 202-212.	4.3	141
130	Photonic efficiency for methanol photooxidation and hydroxyl radical generation on silica-supported TiO ₂ photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2006, 62, 201-207.	20.2	86
131	Optical and physicochemical properties of silica-supported TiO ₂ photocatalysts. <i>AIChE Journal</i> , 2006, 52, 2832-2843.	3.6	38
132	Role of the support on the activity of silica-supported TiO ₂ photocatalysts: Structure of the TiO ₂ /SBA-15 photocatalysts. <i>Catalysis Today</i> , 2005, 101, 307-314.	4.4	122
133	Photocatalytic degradation of iron(II)-cyanocomplexes by TiO ₂ based catalysts. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 201-211.	20.2	40
134	Photocatalytic gold recovery from spent cyanide plating bath solutions. <i>Gold Bulletin</i> , 2005, 38, 180-187.	2.7	21
135	Synthesis of size-controlled silica-supported TiO ₂ photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 315-322.	3.9	186
136	Removal of cyanides in wastewater by supported TiO ₂ -based photocatalysts. <i>Catalysis Today</i> , 2002, 75, 95-102.	4.4	102
137	Optimization and parallelization of the discrete ordinate method for radiation transport simulation in OpenFOAM: Hierarchical combination of shared and distributed memory approaches. <i>Open Research Europe</i> , 0, 1, 2.	2.0	1