Javier Marugan

List of Publications by Year in descending order

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137 papers	4,488 citations	87888 38 h-index	123424 61 g-index
138 all docs	138 docs citations	138 times ranked	4620 citing authors

#	Article	IF	Citations
1	Kinetics of the photocatalytic disinfection of Escherichia coli suspensions. Applied Catalysis B: Environmental, 2008, 82, 27-36.	20.2	232
2	Synthesis of size-controlled silica-supported TiO2 photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 315-322.	3.9	186
3	A comprehensive study of the synthesis, characterization and activity of TiO2 and mixed TiO2/SiO2 photocatalysts. Applied Catalysis A: General, 2006, 312, 202-212.	4.3	141
4	Comparison between the photocatalytic inactivation of Gram-positive E. faecalis and Gram-negative E. coli faecal contamination indicator microorganisms. Applied Catalysis B: Environmental, 2010, 100, 212-220.	20.2	123
5	Role of the support on the activity of silica-supported TiO2 photocatalysts: Structure of the TiO2/SBA-15 photocatalysts. Catalysis Today, 2005, 101, 307-314.	4.4	122
6	Assessment of full-scale tertiary wastewater treatment by UV-C based-AOPs: Removal or persistence of antibiotics and antibiotic resistance genes?. Science of the Total Environment, 2019, 652, 1051-1061.	8.0	115
7	Photocatalytic inactivation of bacteria in water using suspended and immobilized silver-TiO2. Applied Catalysis B: Environmental, 2009, 93, 112-118.	20.2	109
8	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
9	Understanding the effect of morphology on the photocatalytic activity of TiO2 nanotube array electrodes. Electrochimica Acta, 2016, 191, 521-529.	5.2	105
10	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
11	Removal of cyanides in wastewater by supported TiO2-based photocatalysts. Catalysis Today, 2002, 75, 95-102.	4.4	102
12	Analogies and differences between photocatalytic oxidation of chemicals and photocatalytic inactivation of microorganisms. Water Research, 2010, 44, 789-796.	11.3	101
13	Design and validation of a LED-based high intensity photocatalytic reactor for quantifying activity measurements. Chemical Engineering Journal, 2017, 327, 1043-1055.	12.7	94
14	Emerging micropollutant oxidation during disinfection processes using UV-C, UV-C/H2O2, UV-A/TiO2 and UV-A/TiO2/H2O2. Water Research, 2013, 47, 1237-1245.	11.3	88
15	Photonic efficiency for methanol photooxidation and hydroxyl radical generation on silica-supported TiO2 photocatalysts. Applied Catalysis B: Environmental, 2006, 62, 201-207.	20.2	86
16	Intensification of UV-C tertiary treatment: Disinfection and removal of micropollutants by sulfate radical based Advanced Oxidation Processes. Journal of Hazardous Materials, 2019, 372, 94-102.	12.4	81
17	Perovskite materials for hydrogen production by thermochemical water splitting. International Journal of Hydrogen Energy, 2016, 41, 19329-19338.	7.1	77
18	Intrinsic kinetic modeling with explicit radiation absorption effects of the photocatalytic oxidation of cyanide with TiO2 and silica-supported TiO2 suspensions. Applied Catalysis B: Environmental, 2008, 85, 48-60.	20.2	75

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19	Comprehensive multiphysics modeling of photocatalytic processes by computational fluid dynamics based on intrinsic kinetic parameters determined in a differential photoreactor. Chemical Engineering Journal, 2017, 310, 368-380.	12.7	74
20	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
21	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
22	Optical density and photonic efficiency of silica-supported TiO2 photocatalysts. Water Research, 2006, 40, 833-839.	11.3	57
23	Scaling-up of slurry reactors for the photocatalytic oxidation of cyanide with TiO2 and silica-supported TiO2 suspensions. Catalysis Today, 2009, 144, 87-93.	4.4	52
24	Mechanistic modeling of UV and mild-heat synergistic effect on solar water disinfection. Chemical Engineering Journal, 2017, 316, 111-120.	12.7	51
25	Simultaneous photocatalytic reduction of silver and oxidation of cyanide from dicyanoargentate solutions. Applied Catalysis B: Environmental, 2009, 86, 53-62.	20.2	48
26	Novel macroporous 3D photocatalytic foams for simultaneous wastewater disinfection and removal of contaminants of emerging concern. Chemical Engineering Journal, 2019, 366, 449-459.	12.7	48
27	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
28	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
29	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
30	Synthesis, characterization and activity of photocatalytic solâ€“gel TiO2 powders and electrodes. Applied Catalysis B: Environmental, 2009, 89, 273-283.	20.2	42
31	Comparative evaluation of acute toxicity by Vibrio fischeri and fern spore based bioassays in the follow-up of toxic chemicals degradation by photocatalysis. Journal of Hazardous Materials, 2012, 213-214, 117-122.	12.4	42
32	Evaluation of membranes performance for microplastic removal in a simple and low-cost filtration system. Case Studies in Chemical and Environmental Engineering, 2021, 3, 100075.	6.1	41
33	Photocatalytic degradation of ironâ€“cyanocomplexes by TiO2 based catalysts. Applied Catalysis B: Environmental, 2005, 55, 201-211.	20.2	40
34	Photocatalytic Decolorization and Mineralization of Dyes with Nanocrystalline TiO2/SiO2 Materials. Industrial & Engineering Chemistry Research, 2007, 46, 7605-7610.	3.7	40
35	Study of the first step of the Mn2O3/MnO thermochemical cycle for solar hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 7017-7025.	7.1	40
36	Correlation between photoelectrochemical behaviour and photoelectrocatalytic activity and scaling-up of P25-TiO2 electrodes. Electrochimica Acta, 2014, 130, 261-270.	5.2	40

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37	Material selection and prediction of solar irradiance in plastic devices for application of solar water disinfection (SODIS) to inactivate viruses, bacteria and protozoa. Science of the Total Environment, 2020, 730, 139126.	8.0	40
38	Optical and physicochemical properties of silica-supported TiO2 photocatalysts. AICHE Journal, 2006, 52, 2832-2843.	3.6	38
39	Rigorous kinetic modelling with explicit radiation absorption effects of the photocatalytic inactivation of bacteria in water using suspended titanium dioxide. Applied Catalysis B: Environmental, 2011, 102, 404-416.	20.2	38
40	Photocatalytic Disinfection and Removal of Emerging Pollutants from Effluents of Biological Wastewater Treatments, Using a Newly Developed Large-Scale Solar Simulator. Industrial & Engineering Chemistry Research, 2016, 55, 2952-2958.	3.7	38
41	Improved discrete ordinate method for accurate simulation radiation transport using solar and LED light sources. Chemical Engineering Science, 2019, 205, 151-164.	3.8	38
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.	12.7	37
43	Photocatalytic inactivation of bacteria in a fixed-bed reactor: Mechanistic insights by epifluorescence microscopy. Catalysis Today, 2011, 161, 133-139.	4.4	34
44	Kinetic modelling of the first step of Mn2O3/MnO thermochemical cycle for solar hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 18661-18671.	7.1	33
45	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
46	Electrochemical Enhancement of Photocatalytic Disinfection on Aligned TiO2 and Nitrogen Doped TiO2 Nanotubes. Molecules, 2017, 22, 704.	3.8	32
47	Solar photocatalytic disinfection with immobilised TiO2 at pilot-plant scale. Water Science and Technology, 2010, 61, 507-512.	2.5	31
48	Photocatalytic activity of bismuth vanadates under UV-A and visible light irradiation: Inactivation of Escherichia coli vs oxidation of methanol. Catalysis Today, 2015, 240, 93-99.	4.4	31
49	Modeling of a bench-scale photocatalytic reactor for water disinfection from laboratory-scale kinetic data. Chemical Engineering Journal, 2013, 224, 39-45.	12.7	30
50	Evaluation of transformation products from chemical oxidation of micropollutants in wastewater by photoassisted generation of sulfate radicals. Chemosphere, 2019, 226, 509-519.	8.2	30
51	Synergistic and antagonistic effects in the photoelectrocatalytic disinfection of water with TiO2 supported on activated carbon as a bipolar electrode in a novel 3D photoelectrochemical reactor. Separation and Purification Technology, 2020, 247, 117002.	7.9	30
52	Wavelength dependence of the efficiency of photocatalytic processes for water treatment. Applied Catalysis B: Environmental, 2018, 221, 258-265.	20.2	29
53	Fe/TiO2/pH Interactions in Solar Degradation of Imidacloprid with TiO2/SiO2Photocatalysts at Pilot-Plant Scale. Industrial & Engineering Chemistry Research, 2006, 45, 8900-8908.	3.7	28
54	Solar Water Disinfection to Produce Safe Drinking Water: A Review of Parameters, Enhancements, and Modelling Approaches to Make SODIS Faster and Safer. Molecules, 2021, 26, 3431.	3.8	28

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55	On the comparison of photocatalysts activity: A novel procedure for the measurement of titania surface in TiO2/SiO2 materials. Catalysis Today, 2007, 124, 103-109.	4.4	27
56	Study of bacterial adhesion onto immobilized TiO2: Effect on the photocatalytic activity for disinfection applications. Catalysis Today, 2013, 209, 140-146.	4.4	27
57	Solar photocatalytic degradation of dichloroacetic acid with silica-supported titania at pilot-plant scale. Catalysis Today, 2007, 129, 59-68.	4.4	26
58	Thermochemical hydrogen production using manganese cobalt spinels as redox materials. International Journal of Hydrogen Energy, 2017, 42, 13532-13543.	7.1	26
59	Photocatalytic NOx removal: Rigorous kinetic modelling and ISO standard reactor simulation. Catalysis Today, 2019, 326, 82-93.	4.4	26
60	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
61	Performance of TiO2 photoanodes toward oxidation of methanol and E.Âcoli inactivation in water in a scaled-up photoelectrocatalytic reactor. Electrochimica Acta, 2017, 258, 599-606.	5.2	25
62	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis. Advanced Functional Materials, 2021, 31, 2105384.	14.9	25
63	Quantum efficiency of cyanide photooxidation with TiO2/SiO2 catalysts: Multivariate analysis by experimental design. Catalysis Today, 2007, 129, 143-151.	4.4	23
64	Influence of Hydrocarbon Distribution in Crude Oil and Residues on Asphaltene Stability. Energy & Fuels, 2010, 24, 2281-2286.	5.1	23
65	Critical role of the light spectrum on the simulation of solar photocatalytic reactors. Applied Catalysis B: Environmental, 2019, 252, 1-9.	20.2	23
66	Mechanistic modelling of wastewater disinfection by the photo-Fenton process at circumneutral pH. Chemical Engineering Journal, 2021, 403, 126335.	12.7	23
67	Concomitant inactivation of Acanthamoeba spp. and Escherichia coli using suspended and immobilized TiO2. Water Research, 2018, 144, 512-521.	11.3	22
68	H2 production by thermochemical water splitting with reticulated porous structures of ceria-based mixed oxide materials. International Journal of Hydrogen Energy, 2021, 46, 17458-17471.	7.1	22
69	Photocatalytic gold recovery from spent cyanide plating bath solutions. Gold Bulletin, 2005, 38, 180-187.	2.7	21
70	Photocatalytic Escherichia coli inactivation by means of trivalent Er 3+ , Y 3+ doping of BiVO 4 system. Applied Catalysis A: General, 2016, 526, 126-131.	4.3	20
71	Synthesis, Characterization, and Photonic Efficiency of Novel Photocatalytic Niobium Oxide Materials. Global Challenges, 2017, 1, 1700066.	3.6	20
72	Kinetic modeling of the synergistic thermal and spectral actions on the inactivation of viruses in water by sunlight. Water Research, 2020, 183, 116074.	11.3	20

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73	Photocatalytic degradation of atrazine in aqueous solution using hyperbranched polyethyleneimine templated morphologies of BiVO4 fused with Bi2O3. Journal of Environmental Chemical Engineering, 2020, 8, 104215.	6.7	20
74	SODIS potential: A novel parameter to assess the suitability of solar water disinfection worldwide. Chemical Engineering Journal, 2021, 419, 129889.	12.7	20
75	Photocatalytic inactivation of Escherichia coli aqueous suspensions in a fixed-bed reactor. Catalysis Today, 2015, 252, 143-149.	4.4	19
76	Enhanced numerical simulation of photocatalytic reactors with an improved solver for the radiative transfer equation. Chemical Engineering Journal, 2020, 388, 124183.	12.7	19
77	Simultaneous photocatalytic oxidation of pharmaceuticals and inactivation of Escherichia coli in wastewater treatment plant effluents with suspended and immobilised TiO2. Water Science and Technology, 2012, 65, 2016-2023.	2.5	18
78	Kinetic modelling of Escherichia coli inactivation in a photocatalytic wall reactor. Catalysis Today, 2015, 240, 9-15.	4.4	18
79	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. Food Microbiology, 2020, 86, 103346.	4.2	17
80	Influence of anodization mode on the morphology and photocatalytic activity of TiO2-NTs array large size electrodes. Catalysis Today, 2018, 313, 33-39.	4.4	16
81	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
82	Solar water disinfection in high-volume containers: Are naturally occurring substances attenuating factors of radiation?. Chemical Engineering Journal, 2020, 399, 125852.	12.7	15
83	High-performance low-cost solar collectors for water treatment fabricated with recycled materials, open-source hardware and 3d-printing technologies. Science of the Total Environment, 2021, 784, 147119.	8.0	15
84	Novel procedure for the numerical simulation of solar water disinfection processes in flow reactors. Chemical Engineering Journal, 2019, 376, 120194.	12.7	14
85	Intestinal parasitosis, anaemia and risk factors among pre-school children in Tigray region, northern Ethiopia. BMC Infectious Diseases, 2020, 20, 379.	2.9	14
86	Kinetics and influence of water composition on photocatalytic disinfection and photocatalytic oxidation of pollutants. Environmental Technology (United Kingdom), 2010, 31, 1435-1440.	2.2	13
87	Kinetic modeling of the synergistic thermal and spectral actions on the inactivation of Cryptosporidium parvum in water by sunlight. Water Research, 2020, 185, 116226.	11.3	13
88	Photocatalytic inactivation of E. faecalis in secondary wastewater plant effluents. Water Science and Technology, 2010, 61, 2355-2361.	2.5	12
89	Synthesis of platelet-like BiVO4 using hyperbranched polyethyleneimine for the formation of heterojunctions with Bi2O3. Applied Nanoscience (Switzerland), 2019, 9, 1501-1514.	3.1	12
90	Weathering of plastic SODIS containers and the impact of ageing on their lifetime and disinfection efficacy. Chemical Engineering Journal, 2022, 435, 134881.	12.7	12

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91	Study of the hydrogen production step of the Mn2O3/MnO thermochemical cycle. International Journal of Hydrogen Energy, 2014, 39, 5274-5282.	7.1	11
92	Experimental assessment of the cyclability of the Mn2O3/MnO thermochemical cycle for solar hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 91-100.	7.1	11
93	Hybrid UV-C/microfiltration process in membrane photoreactor for wastewater disinfection. Environmental Science and Pollution Research, 2019, 26, 36080-36087.	5.3	11
94	Hydrogen production by water splitting with Mn3-xCoxO4 mixed oxides thermochemical cycles: A thermodynamic analysis. Energy Conversion and Management, 2020, 216, 112945.	9.2	11
95	Corrigendum to â€œKinetics of the photocatalytic disinfection of Escherichia coli suspensionsâ€•[Appl. Catal. B: Environ. 82 (2008) 27â€“36]. Applied Catalysis B: Environmental, 2009, 88, 582-583.	20.2	10
96	Kinetic modelling of the photocatalytic inactivation of bacteria. Water Science and Technology, 2010, 61, 1547-1553.	2.5	10
97	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. Science of the Total Environment, 2022, 808, 152050.	8.0	10
98	Experimental evaluation and energy analysis of a two-step water splitting thermochemical cycle for solar hydrogen production based on La0.8Sr0.2CoO3-Î´ perovskite. International Journal of Hydrogen Energy, 2022, 47, 41209-41222.	7.1	10
99	Novel Perovskite Materials for Thermal Water Splitting at Moderate Temperature. ChemSusChem, 2019, 12, 4029-4037.	6.8	9
100	Comparing potentiostatic and galvanostatic anodization of titanium membranes for hybrid photocatalytic/microfiltration processes. Applied Catalysis A: General, 2019, 578, 40-52.	4.3	9
101	Solar Disinfection as a Water Treatment Technology. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-16.	0.1	9
102	Influence of the Synthesis pH on the Properties and Activity of Sol-Gel TiO2Photocatalysts. International Journal of Photoenergy, 2008, 2008, 1-7.	2.5	8
103	Thermochemical Energy Storage Using the Phase Transitions Brownmillerite -2H Perovskite - Cubic Perovskite in the Ca_xSr_{1â€“x}CoO_{3â^'Î´}(x= 0 and) Tj ET Q q 1 1 0.784314 rg BT	2.1	8
104	Hydrogen production by thermochemical water splitting with La0.8Al0.2MeO3-Î´ (Me= Fe, Co, Ni and Cu) perovskites prepared under controlled pH. Catalysis Today, 2022, 390-391, 22-33.	4.4	8
105	Photoelectrocatalytic study and scaling up of titanium dioxide electrodes for wastewater treatment. Water Science and Technology, 2013, 68, 999-1003.	2.5	7
106	Determination of Photochemical, Electrochemical and Photoelectrochemical Efficiencies in a Photoelectrocatalytic Reactor. International Journal of Chemical Reactor Engineering, 2013, 11, 787-797.	1.1	7
107	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
108	Comparative Evaluation of OpenFOAMÂ® and ANSYSÂ® Fluent for the Modeling of Annular Reactors. Chemical Engineering and Technology, 2018, 41, 1473-1483.	1.5	7

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109	Improved Thermochemical Energy Storage Behavior of Manganese Oxide by Molybdenum Doping. Molecules, 2021, 26, 583.	3.8	7
110	Coupling biological and photocatalytic treatment of atrazine and tebuthiuron in aqueous solution. Journal of Water Process Engineering, 2021, 40, 101918.	5.6	7
111	Predicting the bactericidal efficacy of solar disinfection (SODIS): from kinetic modeling of in vitro tests towards the in silico forecast of E. coli inactivation. Chemical Engineering Journal, 2022, 427, 130866.	12.7	7
112	Multitarget Evaluation of the Photocatalytic Activity of P25-SiO2 Prepared by Atomic Layer Deposition. Catalysts, 2020, 10, 450.	3.5	6
113	Photocatalytic inactivation of dual- and mono-species biofilms by immobilized TiO2. Journal of Photochemistry and Photobiology B: Biology, 2021, 221, 112253.	3.8	5
114	CHAPTER 14. Fundamentals of Radiation Transport in Absorbing Scattering Media. RSC Energy and Environment Series, 2016, , 349-366.	0.5	5
115	CHAPTER 4. Solar Photocatalysis: Fundamentals, Reactors and Applications. RSC Energy and Environment Series, 2016, , 92-129.	0.5	5
116	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. Water Research, 2022, 208, 117837.	11.3	5
117	Modeling the anodization of large titanium electrodes. Chemical Engineering Science, 2018, 186, 74-83.	3.8	4
118	CHAPTER 15. Photocatalytic Reactor Design. RSC Energy and Environment Series, 2016, , 367-387.	0.5	4
119	Proliferation of osteoblast precursor cells on the surface of TiO2 nanowires anodically grown on a Î²-type biomedical titanium alloy. Scientific Reports, 2022, 12, 7895.	3.3	4
120	Comparison of Empirical and Kinetic Modeling of the Photocatalytic Oxidation of Cyanide. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	3
121	Sol-Gel Titania and Titania-Silica Mixed Oxides Photocatalysts. Solid State Phenomena, 2010, 162, 221-238.	0.3	3
122	Modeling of H2 Permeation through Electroless Pore-Plated Composite Pd Membranes Using Computational Fluid Dynamics. Membranes, 2021, 11, 123.	3.0	3
123	Mechanistic modelling of solar disinfection (SODIS) kinetics of Escherichia coli, enhanced with H2O2 â€“ part 1: The dark side of peroxide. Chemical Engineering Journal, 2022, 439, 135709.	12.7	3
124	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. LWT - Food Science and Technology, 2022, 162, 113441.	5.2	3
125	Effect of Liquid Feed-Stock Composition on the Morphology of Titanium Dioxide Films Deposited by Thermal Plasma Spray. Journal of Nanoscience and Nanotechnology, 2015, 15, 6651-6662.	0.9	2
126	Quantitative Methods for Life Cycle Assessment (LCA) Applied to the Vegetable Industry. , 2018, , 255-293.		2

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127	Dynamic concentration factor: A novel parameter for the rigorous evaluation of solar compound parabolic collectors. Chemical Engineering Journal, 2022, 437, 135360.	12.7	2
128	Mechanistic modelling of solar disinfection (SODIS) kinetics of Escherichia coli, enhanced with H2O2 â€“ Part 2: Shine on you, crazy peroxide. Chemical Engineering Journal, 2022, 439, 135783.	12.7	2
129	Novel simple method for preparing tailored polymer-titania nanotubes hybrid materials. Materials Letters, 2016, 174, 95-98.	2.6	1
130	Photocatalytic Activity of Suspended and Immobilized Niobium Oxide for Methanol Oxidation and Escherichia coli Inactivation. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	1
131	Removal of Pharmaceutically Active Compounds (PhACs) in Wastewater by Ozone and Advanced Oxidation Processes. Handbook of Environmental Chemistry, 2020, , 269-298.	0.4	1
132	Optimization and parallelization of the discrete ordinate method for radiation transport simulation in OpenFOAM: Hierarchical combination of shared and distributed memory approaches. Open Research Europe, 0, 1, 2.	2.0	1
133	AdaptaciÃ³n al Espacio europeo de EducaciÃ³n superior: experiencia en una asignatura de recursos energÃ©ticos. Revista De Docencia Universitaria, 2009, 7, 1.	0.3	1
134	Using Focused Beam Laser Reflectance Measurements To Determine Asphaltene Aggregation Stability. Energy & Fuels, 2022, 36, 6058-6068.	5.1	1
135	Advanced Oxidation Processes (AOPs) and Quantitative Analysis for Disinfection and Treatment of Water in the Vegetable Industry. , 2018, , 77-111.		0
136	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis (Adv. Funct. Mater. 51/2021). Advanced Functional Materials, 2021, 31, .	14.9	0
137	Solar Disinfection as a Water Treatment Technology. Encyclopedia of the UN Sustainable Development Goals, 2022, , 563-578.	0.1	0