MarÃa Isabel DÃez GarcÃa

List of Publications by Year
in descending order

21 papers	553 citations	686830 13 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	874 citing authors

#	Article	IF	Citations
1	Simulation of the spatial distribution of the acoustic pressure in sonochemical reactors with numerical methods: A review. Ultrasonics Sonochemistry, 2014, 21, 909-919.	3.8	94
2	Sonochemical Treatment of Water Polluted by Chlorinated Organocompounds. A Review. Water (Switzerland), 2010, 2, 28-74.	1.2	75
3	Metal Doping to Enhance the Photoelectrochemical Behavior of LaFeO₃ Photocathodes. ChemSusChem, 2017, 10, 2457-2463.	3.6	57
4	Investigating Water Splitting with CaFe₂O₄ Photocathodes by Electrochemical Impedance Spectroscopy. ACS Applied Materials & Interfaces, 2016, 8, 21387-21397.	4.0	47
5	Study of Copper Ferrite as a Novel Photocathode for Water Reduction: Improving Its Photoactivity by Electrochemical Pretreatment. ChemSusChem, 2016, 9, 1504-1512.	3.6	42
6	Optimized design of an electrochemical filter-press reactor using CFD methods. Chemical Engineering Journal, 2011, 169, 270-281.	6.6	39
7	Photoelectrocatalytic production of solar fuels with semiconductor oxides: materials, activity and modeling. Chemical Communications, 2020, 56, 12272-12289.	2.2	24
8	Towards the complete dechlorination of chloroacetic acids in water by sonoelectrochemical methods: Effect of the cathode material on the degradation of trichloroacetic acid and its degradation by-products. Applied Catalysis B: Environmental, 2015, 166-167, 66-74.	10.8	23
9	YFeO3 Photocathodes for Hydrogen Evolution. Electrochimica Acta, 2017, 246, 365-371.	2.6	23
10	Towards the complete dechlorination of chloroacetic acids in water by sonoelectrochemical methods: Effect of the anodic material on the degradation of trichloroacetic acid and its by-products. Chemical Engineering Journal, 2012, 197, 231-241.	6.6	21
11	Lead dioxide film sonoelectrodeposition in acidic media: Preparation and performance of stable practical anodes. Ultrasonics Sonochemistry, 2011, 18, 873-880.	3.8	20
12	A study of the lead dioxide electrocrystallization mechanism on glassy carbon electrodes. Part I: Experimental conditions for kinetic control. Materials Chemistry and Physics, 2011, 125, 46-54.	2.0	19
13	Spectroelectrochemical study of trichloroacetic acid reduction at copper electrodes in an aqueous sodium sulfate medium. Electrochimica Acta, 2011, 56, 8138-8146.	2.6	18
14	Effects of Ultrasound Irradiation on the Synthesis of Metal Oxide Nanostructures. Physics Procedia, 2015, 63, 85-90.	1.2	14
15	Enhanced Photoelectrochemical Water Splitting at Hematite Photoanodes by Effect of a NiFe-Oxide co-Catalyst. Catalysts, 2020, 10, 525.	1.6	13
16	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363.	1.6	7
17	Electrochemical degradation of trichloroacetic acid in aqueous media: influence of the electrode material. Environmental Technology (United Kingdom), 2013, 34, 383-393.	1.2	5
18	A comparative photophysical and photoelectrochemical study of undoped and 2-aminothiophene-3-carbonitrile-doped carbon nitride. Electrochimica Acta, 2016, 219, 453-462.	2.6	5

#	Article	IF	Citations
19	Electrochemical Doping as a Way to Enhance Water Photooxidation on Nanostructured Nickel Titanate and Anatase Electrodes. ChemElectroChem, 2017, 4, 1429-1435.	1.7	4
20	Electrograining of aluminium in HCl: effect of the alloy for highâ€speed processing lines. Surface and Interface Analysis, 2010, 42, 311-315.	0.8	2
21	Comment on â€œFlat band potential determination: avoiding the pitfallsâ€•by A. Hankin, F. E. Bedoya-Lora, J. C. Alexander, A. Regoutz and G. H. Kelsall, J. Mater. Chem. A, 2019, 7, 26162. Journal of Materials Chemistry A, 0, , .	5.2	1