# MarÃa Isabel DÃez GarcÃa

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363. | 1.6 | 7 |
| 2 | Photoelectrocatalytic production of solar fuels with semiconductor oxides: materials, activity and modeling. Chemical Communications, 2020, 56, 12272-12289. | 2.2 | 24 |
| 3 | Enhanced Photoelectrochemical Water Splitting at Hematite Photoanodes by Effect of a NiFe-Oxide co-Catalyst. Catalysts, 2020, 10, 525. | 1.6 | 13 |
| 4 | Electrochemical Doping as a Way to Enhance Water Photooxidation on Nanostructured Nickel Titanate and Anatase Electrodes. ChemElectroChem, 2017, 4, 1429-1435. | 1.7 | 4 |
| 5 | YFeO3 Photocathodes for Hydrogen Evolution. Electrochimica Acta, 2017, 246, 365-371. | 2.6 | 23 |
| 6 | Metal Doping to Enhance the Photoelectrochemical Behavior of LaFeO<sub>3</sub> Photocathodes. ChemSusChem, 2017, 10, 2457-2463. | 3.6 | 57 |
| 7 | 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 |
| 8 | 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 |
| 9 | Investigating Water Splitting with CaFe<sub>2</sub>O<sub>4</sub> Photocathodes by Electrochemical Impedance Spectroscopy. ACS Applied Materials & Interfaces, 2016, 8, 21387-21397. | 4.0 | 47 |
| 10 | Effects of Ultrasound Irradiation on the Synthesis of Metal Oxide Nanostructures. Physics Procedia, 2015, 63, 85-90. | 1.2 | 14 |
| 11 | 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 |
| 12 | 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 |
| 13 | Electrochemical degradation of trichloroacetic acid in aqueous media: influence of the electrode material. Environmental Technology (United Kingdom), 2013, 34, 383-393. | 1.2 | 5 |
| 14 | 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 |
| 15 | 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 |
| 16 | Spectroelectrochemical study of trichloroacetic acid reduction at copper electrodes in an aqueous sodium sulfate medium. Electrochimica Acta, 2011, 56, 8138-8146. | 2.6 | 18 |
| 17 | Optimized design of an electrochemical filter-press reactor using CFD methods. Chemical Engineering Journal, 2011, 169, 270-281. | 6.6 | 39 |
| 18 | Lead dioxide film sonoelectrodeposition in acidic media: Preparation and performance of stable practical anodes. Ultrasonics Sonochemistry, 2011, 18, 873-880. | 3.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sonochemical Treatment of Water Polluted by Chlorinated Organocompounds. A Review. Water (Switzerland), 2010, 2, 28-74. | 1.2 | 75 |
| 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 |