

David RamÃ- rez-Ortega

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

460
citations

840585

11
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

573
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synergistic photocatalytic effect of BiOBrâ€“BiOI heterojunctions due to appropriate layer stacking. Dalton Transactions, 2022, 51, 2413-2427. | 1.6 | 6 |
| 2 | Degradation Behavior and Mechanical Integrity of a Mg-0.7Zn-0.6Ca (wt.%) Alloy: Effect of Grain Sizes and Crystallographic Texture. Materials, 2022, 15, 3142. | 1.3 | 3 |
| 3 | Effect of Co-catalyst (CuO, CoO or NiO) on Bi2O3â€“TiO2 Structures and Its Impact on the Photocatalytic Reduction of 4-nitrophenol. Topics in Catalysis, 2021, 64, 112-120. | 1.3 | 8 |
| 4 | Boosting the photocatalytic hydrogen production of TiO2 by using copper hexacyanocobaltate as co-catalyst. International Journal of Hydrogen Energy, 2021, 46, 10312-10323. | 3.8 | 16 |
| 5 | Biocompatibility and electrochemical evaluation of ZrO2 thin films deposited by reactive magnetron sputtering on MgZnCa alloy. Journal of Magnesium and Alloys, 2021, 9, 2019-2038. | 5.5 | 13 |
| 6 | Enhancing the photocatalytic hydrogen production of the ZnOâ€“TiO2 heterojunction by supporting nanoscale Au islands. International Journal of Hydrogen Energy, 2021, 46, 34333-34343. | 3.8 | 25 |
| 7 | Ag2O/TiO2 nanostructures for the photocatalytic mineralization of the highly recalcitrant pollutant iopromide in pure and tap water. Catalysis Today, 2020, 341, 71-81. | 2.2 | 19 |
| 8 | Enhancing the photocatalytic activity of Cdâ€“ZnS(EN)0.5 hybrid sheets for the H2 production. International Journal of Hydrogen Energy, 2020, 45, 30496-30510. | 3.8 | 14 |
| 9 | Effect of Pd and Cu co-catalyst on the charge carrier trapping, recombination and transfer during photocatalytic hydrogen evolution over WO3â€“TiO2 heterojunction. Journal of Materials Science, 2020, 55, 16641-16658. | 1.7 | 14 |
| 10 | Unexpected cytotoxicity of TiO2-coated magnesium alloys. Materials Letters, 2020, 276, 128236. | 1.3 | 4 |
| 11 | Photocatalytic degradation of 2,4-dichlorophenol on ZrO2â€“TiO2: influence of crystal size, surface area, and energetic states. Journal of Materials Science: Materials in Electronics, 2020, 31, 3332-3341. | 1.1 | 9 |
| 12 | Surface modification of Baâ€“TiO2 by deposition of Au nanoparticles to increase its photocatalytic activity under simulated sunlight irradiation. Journal of Sol-Gel Science and Technology, 2018, 88, 474-487. | 1.1 | 12 |
| 13 | SnO₂-TiO₂ structures and the effect of CuO, CoO metal oxide on photocatalytic hydrogen production. Journal of Chemical Technology and Biotechnology, 2017, 92, 1531-1539. | 1.6 | 47 |
| 14 | Charge transfer processes involved in photocatalytic hydrogen production over CuO/ZrO2â€“TiO2 materials. International Journal of Hydrogen Energy, 2017, 42, 9744-9753. | 3.8 | 39 |
| 15 | Rapid breakdown anodization to obtain nanostructured TiO2 powders for photocatalytic hydrogen generation. Journal of Materials Science: Materials in Electronics, 2017, 28, 9859-9866. | 1.1 | 7 |
| 16 | Interfacial charge-transfer process across ZrO2-TiO2 heterojunction and its impact on photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 335, 276-286. | 2.0 | 64 |
| 17 | Improving photocatalytic reduction of 4-nitrophenol over ZrO₂-TiO₂ by synergistic interaction between methanol and sulfite ions. New Journal of Chemistry, 2017, 41, 12655-12663. | 1.4 | 24 |
| 18 | Energetic states in SnO2â€“TiO2 structures and their impact on interfacial charge transfer process. Journal of Materials Science, 2017, 52, 260-275. | 1.7 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Semiconducting properties of ZnO/TiO ₂ composites by electrochemical measurements and their relationship with photocatalytic activity. <i>Electrochimica Acta</i> , 2014, 140, 541-549. | 2.6 | 95 |
| 20 | Development a Boron Potentiometric Determination Methodology Using a Carbon Paste Electrode Modified with a β -Cyclodextrine- Azomethine-H Inclusion Complex. <i>ECS Transactions</i> , 2009, 20, 13-19. | 0.3 | 5 |