# Zhaoyong Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/909933/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 31 papers | 2,304 citations | 279487 23 h-index | 476904 29 g-index |
| 31 all docs | 31 docs citations | 31 times ranked | 3309 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhanced carrier separation and increased electron density in 2D heavily N-doped ZnIn<sub>2</sub>S<sub>4</sub> for photocatalytic hydrogen production. Journal of Materials Chemistry A, 2020, 8, 207-217. | 5.2 | 131 |
| 2 | Photothermal conversion assisted photocatalytic hydrogen evolution from amorphous carbon nitrogen nanosheets with nitrogen vacancies. Physical Chemistry Chemical Physics, 2020, 22, 4453-4463. | 1.3 | 21 |
| 3 | Cross-linked bond accelerated interfacial charge transfer in monolayer zinc indium sulfideâ€ƒ(ZnIn2S4)/reduced graphene oxide (RGO) heterostructure for photocatalytic hydrogen production with mechanistic insight. Catalysis Science and Technology, 2019, 9, 4066-4076. | 2.1 | 26 |
| 4 | CdS Nanorod-Amorphous Molybdenum Oxide Nanocomposite for Photocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2019, 2, 6783-6792. | 2.4 | 24 |
| 5 | Amorphous Fe<sub>2</sub>O<sub>3</sub> for photocatalytic hydrogen evolution. Catalysis Science and Technology, 2019, 9, 5582-5592. | 2.1 | 40 |
| 6 | Two-dimensional amorphous CoO photocatalyst for efficient overall water splitting with high stability. Journal of Catalysis, 2019, 372, 299-310. | 3.1 | 66 |
| 7 | Half-unit-cell ZnIn2S4 monolayer with sulfur vacancies for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 248, 193-201. | 10.8 | 369 |
| 8 | Hydrogen-interstitial CuWO4 nanomesh: A single-component full spectrum-active photocatalyst for hydrogen evolution. Applied Catalysis B: Environmental, 2018, 227, 35-43. | 10.8 | 41 |
| 9 | Two-dimensional amorphous NiO as a plasmonic photocatalyst for solar H2 evolution. Nature Communications, 2018, 9, 4036. | 5.8 | 174 |
| 10 | Dual-functional photocatalysis for hydrogen evolution from industrial wastewaters. Physical Chemistry Chemical Physics, 2017, 19, 8356-8362. | 1.3 | 25 |
| 11 | Modifying photocatalysts for solar hydrogen evolution based on the electron behavior. Journal of Materials Chemistry A, 2017, 5, 5235-5259. | 5.2 | 36 |
| 12 | Manipulating the hydrogen evolution pathway on composition-tunable CuNi nanoalloys. Journal of Materials Chemistry A, 2017, 5, 773-781. | 5.2 | 68 |
| 13 | A 2D self-assembled MoS<sub>2</sub>/ZnIn<sub>2</sub>S<sub>4</sub> heterostructure for efficient photocatalytic hydrogen evolution. Nanoscale, 2017, 9, 18290-18298. | 2.8 | 121 |
| 14 | Nanodiamondâ€Embedded pâ€Type Copper(I) Oxide Nanocrystals for Broadâ€Spectrum Photocatalytic Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1501865. | 10.2 | 81 |
| 15 | A Floating Sheet for Efficient Photocatalytic Water Splitting. Advanced Energy Materials, 2016, 6, 1600510. | 10.2 | 74 |
| 16 | Amorphous transitional metal borides as substitutes for Pt cocatalysts for photocatalytic water splitting. Nano Energy, 2016, 27, 103-113. | 8.2 | 142 |
| 17 | Nanodiamonds: Nanodiamond-Embedded p-Type Copper(I) Oxide Nanocrystals for Broad-Spectrum Photocatalytic Hydrogen Evolution (Adv. Energy Mater. 4/2016). Advanced Energy Materials, 2016, 6, n/a-n/a. | 10.2 | 0 |
| 18 | Self-assembling solid-state hydrogen source for drylands photocatalytic hydrogen production. Journal of Materials Chemistry A, 2016, 4, 15920-15928. | 5.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Midrefractive Dielectric Modulator for Broadband Unidirectional Scattering and Effective Radiative Tailoring in the Visible Region. ACS Applied Materials & Interfaces, 2016, 8, 22468-22476. | 4.0 | 26 |
| 20 | Plasmon resonances in semiconductor materials for detecting photocatalysis at the single-particle level. Nanoscale, 2016, 8, 15001-15007. | 2.8 | 18 |
| 21 | Reduced TiO<sub>2</sub>-Graphene Oxide Heterostructure As Broad Spectrum-Driven Efficient Water-Splitting Photocatalysts. ACS Applied Materials & Interfaces, 2016, 8, 8536-8545. | 4.0 | 140 |
| 22 | Plasmonic near-touching titanium oxide nanoparticles to realize solar energy harvesting and effective local heating. Nanoscale, 2016, 8, 8826-8838. | 2.8 | 69 |
| 23 | New type high-index dielectric nanosensors based on the scattering intensity shift. Nanoscale, 2016, 8, 5996-6007. | 2.8 | 50 |
| 24 | Matching energy levels between TiO<sub>2</sub> and Î±-Fe<sub>2</sub>O<sub>3</sub> in a coreâ€“shell nanoparticle for visible-light photocatalysis. Journal of Materials Chemistry A, 2015, 3, 14853-14863. | 5.2 | 57 |
| 25 | Electronic Reconstruction of Î±-Ag<sub>2</sub>WO<sub>4</sub> Nanorods for Visible-Light Photocatalysis. ACS Nano, 2015, 9, 7256-7265. | 7.3 | 131 |
| 26 | Directional Fano Resonance in a Silicon Nanosphere Dimer. ACS Nano, 2015, 9, 2968-2980. | 7.3 | 198 |
| 27 | Ag/AgCl plasmonic cubes with ultrahigh activity as advanced visible-light photocatalysts for photodegrading dyes. Journal of Materials Chemistry A, 2015, 3, 7649-7658. | 5.2 | 88 |
| 28 | Fabrication of Si/Au Core/Shell Nanoplasmonic Structures with Ultrasensitive Surface-Enhanced Raman Scattering for Monolayer Molecule Detection. Journal of Physical Chemistry C, 2015, 119, 1234-1246. | 1.5 | 58 |
| 29 | A design of Si-based nanoplasmonic structure as an antenna and reception amplifier for visible light communication. Journal of Applied Physics, 2014, 116, . | 1.1 | 13 |
| 30 | Gold nanoarray deposited using alternating current for emission rate-manipulating nanoantenna. Nanoscale Research Letters, 2013, 8, 295. | 3.1 | 5 |
| 31 | A numerical study of UTC-PD structures with berylium as the p-dopant. , 2013, , . | | 0 |