Zhaoyong Lin

List of Publications by Year
in descending order

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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	Half-unit-cell ZnIn2S4 monolayer with sulfur vacancies for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 248, 193-201.	10.8	369
2	Directional Fano Resonance in a Silicon Nanosphere Dimer. ACS Nano, 2015, 9, 2968-2980.	7.3	198
3	Two-dimensional amorphous NiO as a plasmonic photocatalyst for solar H2 evolution. Nature Communications, 2018, 9, 4036.	5.8	174
4	Amorphous transitional metal borides as substitutes for Pt cocatalysts for photocatalytic water splitting. Nano Energy, 2016, 27, 103-113.	8.2	142
5	Reduced TiO₂-Graphene Oxide Heterostructure As Broad Spectrum-Driven Efficient Water-Splitting Photocatalysts. ACS Applied Materials & Interfaces, 2016, 8, 8536-8545.	4.0	140
6	Electronic Reconstruction of Î±-Ag₂WO₄ Nanorods for Visible-Light Photocatalysis. ACS Nano, 2015, 9, 7256-7265.	7.3	131
7	Enhanced carrier separation and increased electron density in 2D heavily N-doped ZnIn₂S₄ for photocatalytic hydrogen production. Journal of Materials Chemistry A, 2020, 8, 207-217.	5.2	131
8	A 2D self-assembled MoS₂/ZnIn₂S₄ heterostructure for efficient photocatalytic hydrogen evolution. Nanoscale, 2017, 9, 18290-18298.	2.8	121
9	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
10	Nanodiamondâ€Embedded pâ€Type Copper(I) Oxide Nanocrystals for Broadâ€Spectrum Photocatalytic Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1501865.	10.2	81
11	A Floating Sheet for Efficient Photocatalytic Water Splitting. Advanced Energy Materials, 2016, 6, 1600510.	10.2	74
12	Plasmonic near-touching titanium oxide nanoparticles to realize solar energy harvesting and effective local heating. Nanoscale, 2016, 8, 8826-8838.	2.8	69
13	Manipulating the hydrogen evolution pathway on composition-tunable CuNi nanoalloys. Journal of Materials Chemistry A, 2017, 5, 773-781.	5.2	68
14	Two-dimensional amorphous CoO photocatalyst for efficient overall water splitting with high stability. Journal of Catalysis, 2019, 372, 299-310.	3.1	66
15	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
16	Matching energy levels between TiO₂ and Î±-Fe₂O₃ in a coreâ€“shell nanoparticle for visible-light photocatalysis. Journal of Materials Chemistry A, 2015, 3, 14853-14863.	5.2	57
17	New type high-index dielectric nanosensors based on the scattering intensity shift. Nanoscale, 2016, 8, 5996-6007.	2.8	50
18	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

#	Article	IF	Citations
19	Amorphous Fe₂O₃ for photocatalytic hydrogen evolution. Catalysis Science and Technology, 2019, 9, 5582-5592.	2.1	40
20	Modifying photocatalysts for solar hydrogen evolution based on the electron behavior. Journal of Materials Chemistry A, 2017, 5, 5235-5259.	5.2	36
21	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
22	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
23	Dual-functional photocatalysis for hydrogen evolution from industrial wastewaters. Physical Chemistry Chemical Physics, 2017, 19, 8356-8362.	1.3	25
24	CdS Nanorod-Amorphous Molybdenum Oxide Nanocomposite for Photocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2019, 2, 6783-6792.	2.4	24
25	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
26	Plasmon resonances in semiconductor materials for detecting photocatalysis at the single-particle level. Nanoscale, 2016, 8, 15001-15007.	2.8	18
27	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
28	Self-assembling solid-state hydrogen source for drylands photocatalytic hydrogen production. Journal of Materials Chemistry A, 2016, 4, 15920-15928.	5.2	12
29	Gold nanoarray deposited using alternating current for emission rate-manipulating nanoantenna. Nanoscale Research Letters, 2013, 8, 295.	3.1	5
30	A numerical study of UTC-PD structures with berylium as the p-dopant. , 2013, , .		0
31	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