Zhongjie Guan

List of Publications by Year
in descending order

21 papers	1,564 citations	430874 18 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	1948 citing authors

#	Article	IF	Citations
1	Synergistic effect of surface and bulk single-electron-trapped oxygen vacancy of TiO2 in the photocatalytic reduction of CO2. Applied Catalysis B: Environmental, 2017, 206, 300-307.	20.2	374
2	Boosting Visible-Light Photocatalytic Hydrogen Evolution with an Efficient CuInS₂/ZnIn₂S₄ 2D/2D Heterojunction. ACS Sustainable Chemistry and Engineering, 2019, 7, 7736-7742.	6.7	144
3	AgIn5S8 nanoparticles anchored on 2D layered ZnIn2S4 to form 0D/2D heterojunction for enhanced visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 227, 512-518.	20.2	129
4	Effect of annealing ambience on the formation of surface/bulk oxygen vacancies in TiO2 for photocatalytic hydrogen evolution. Applied Surface Science, 2018, 428, 640-647.	6.1	115
5	Facile fabrication of ZnIn2S4/SnS2 3D heterostructure for efficient visible-light photocatalytic reduction of Cr(VI). Chinese Journal of Catalysis, 2020, 41, 200-208.	14.0	100
6	Anchoring Ni single atoms on sulfur-vacancy-enriched ZnIn2S4 nanosheets for boosting photocatalytic hydrogen evolution. Journal of Energy Chemistry, 2021, 58, 408-414.	12.9	93
7	Remarkable enhancement in solar hydrogen generation from MoS 2 -RGO/ZnO composite photocatalyst by constructing a robust electron transport pathway. Chemical Engineering Journal, 2017, 327, 397-405.	12.7	71
8	Spatially Separating Redox Centers and Photothermal Effect Synergistically Boosting the Photocatalytic Hydrogen Evolution of ZnIn₂S₄ Nanosheets. Small, 2021, 17, e2006952.	10.0	68
9	Adjusting the ratio of bulk single-electron-trapped oxygen vacancies/surface oxygen vacancies in TiO₂ for efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2018, 8, 2809-2817.	4.1	64
10	Efficient visible-light-driven photocatalytic hydrogen production from water by using Eosin Y-sensitized novel g-C3N4/Pt/GO composites. Journal of Materials Science, 2018, 53, 774-786.	3.7	57
11	Constructing a ZnIn₂S₄ nanoparticle/MoS₂-RGO nanosheet 0D/2D heterojunction for significantly enhanced visible-light photocatalytic H₂ production. Dalton Transactions, 2018, 47, 6800-6807.	3.3	44
12	Band Positions and Photoelectrochemical Properties of Solution-Processed Silver-Substituted Cu₂ZnSnS₄ Photocathode. ACS Applied Energy Materials, 2019, 2, 2779-2785.	5.1	44
13	Boosting efficiency and stability of a Cu2ZnSnS4 photocathode by alloying Ge and increasing sulfur pressure simultaneously. Nano Energy, 2017, 41, 18-26.	16.0	42
14	Formation mechanism of ZnS impurities and their effect on photoelectrochemical properties on a Cu2ZnSnS4 photocathode. CrystEngComm, 2014, 16, 2929.	2.6	41
15	Synergistic effect of {101} crystal facet and bulk/surface oxygen vacancy ratio on the photocatalytic hydrogen production of TiO2. International Journal of Hydrogen Energy, 2019, 44, 8109-8120.	7.1	39
16	Aging Precursor Solution in High Humidity Remarkably Promoted Grain Growth in Cu₂ZnSnS₄ Films. ACS Applied Materials & Interfaces, 2016, 8, 5432-5438.	8.0	34
17	Selective etching of metastable phase induced an efficient CuIn_{0.7}Ga_{0.3}S₂ nano-photocathode for solar water splitting. Journal of Materials Chemistry A, 2015, 3, 7840-7848.	10.3	33
18	PtNi Alloy Cocatalyst Modification of Eosin Y-Sensitized g-C3N4/GO Hybrid for Efficient Visible-Light Photocatalytic Hydrogen Evolution. Nanoscale Research Letters, 2018, 13, 33.	5.7	25

#	Article	IF	Citations
19	Effect of platinum dispersion on photocatalytic performance of Pt-TiO2. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	18
20	Space-induced charge carriers separation enhances photocatalytic hydrogen evolution on hollow urchin-like TiO2 nanomaterial. Journal of Alloys and Compounds, 2020, 837, 155547.	5.5	17
21	Synthesis of SO4 2â˜/Zr-silicalite-1 zeolite catalysts for upgrading and visbreaking of heavy oil. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	6