

# Shaohui Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,568  
citations

331670

21  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost bauxite residue-MoS <sub>2</sub> possessing adsorption and photocatalysis ability for removing organic pollutants in wastewater. Separation and Purification Technology, 2022, 283, 120144.	7.9	22
2	Plasma-Wind-Assisted In <sub>2</sub> S <sub>3</sub> Preparation with an Amorphous Surface Structure for Enhanced Photocatalytic Hydrogen Production. Nanomaterials, 2022, 12, 1761.	4.1	3
3	Boosting photocatalytic hydrogen production from water by photothermally induced biphasic systems. Nature Communications, 2021, 12, 1343.	12.8	209
4	Effective interface contact on the hierarchical 1D/2D CoO/NiCo-LDH heterojunction for boosting photocatalytic hydrogen evolution. Applied Surface Science, 2021, 549, 149108.	6.1	32
5	Tuning interlayer spacing of MoS <sub>2</sub> for enhanced hydrogen evolution reaction. Journal of Alloys and Compounds, 2021, 864, 158581.	5.5	18
6	Blending poly(2-ethyl-2-oxazoline) with hydrophobic polymers as a hybrid adhesive with enhanced water-resistant properties. Journal of Applied Polymer Science, 2021, 138, 51404.	2.6	1
7	Designing Efficient MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Hybrid Photocatalysts by Regulating the Interlayer Spacing of MoS <sub>2</sub> . European Journal of Inorganic Chemistry, 2021, 2021, 3719-3726.	2.0	5
8	Sulfur-Deficient ZnIn <sub>2</sub> S <sub>4</sub> /Oxygen-Deficient WO <sub>3</sub> Hybrids with Carbon Layer Bridges as a Novel Photothermal/Photocatalytic Integrated System for Z-scheme Overall Water Splitting. Advanced Energy Materials, 2021, 11, 2102452.	19.5	81
9	Plasmonic MoO <sub>2</sub> as co-catalyst of MoS <sub>2</sub> for enhanced photocatalytic hydrogen evolution. Applied Surface Science, 2020, 504, 144291.	6.1	43
10	Solution-Processed Sb <sub>2</sub> S <sub>3</sub> Planar Thin Film Solar Cells with a Conversion Efficiency of 6.9% at an Open Circuit Voltage of 0.7 V Achieved via Surface Passivation by a SbCl <sub>3</sub> Interface Layer. ACS Applied Materials & Interfaces, 2020, 12, 4970-4979.	8.0	100
11	One-step MOFs-assisted synthesis of intimate contact MoP-Cu <sub>3</sub> P hybrids for photocatalytic water splitting. Chemical Engineering Journal, 2020, 384, 123337.	12.7	49
12	Au@MoS <sub>2</sub> @Au Hierarchical Nanostructures for High-Sensitivity and Recyclable SERS Device. Plasmonics, 2020, 15, 591-598.	3.4	9
13	Efficient Raman Enhancement in Molybdenum Disulfide by Tuning the Interlayer Spacing. ACS Applied Materials & Interfaces, 2020, 12, 28474-28483.	8.0	23
14	One-step synthesis of P-doped MoS <sub>2</sub> for efficient photocatalytic hydrogen production. Journal of Alloys and Compounds, 2020, 829, 154635.	5.5	68
15	Monitoring Hydrogen Evolution Reaction Intermediates of Transition Metal Dichalcogenides via Operando Raman Spectroscopy. Advanced Functional Materials, 2020, 30, 2003035.	14.9	64
16	Pt single-atoms supported on nitrogen-doped carbon dots for highly efficient photocatalytic hydrogen generation. Journal of Materials Chemistry A, 2020, 8, 14690-14696.	10.3	62
17	Heat Diffusion-Induced Gradient Energy Level in Multishell Bisulfides for Highly Efficient Photocatalytic Hydrogen Production. Advanced Energy Materials, 2020, 10, 2001575.	19.5	57
18	In-situ growth of high-content 1T phase MoS <sub>2</sub> confined in the CuS nanoframe for efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 269, 118773.	20.2	97

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19	Edge-rich MoS <sub>2</sub> grown on edge-oriented three-dimensional graphene glass for high-performance hydrogen evolution. <i>Nano Energy</i> , 2019, 57, 388-397.	16.0	98
20	Enhanced hydrogen evolution via interlaced Ni <sub>3</sub> S <sub>2</sub> /MoS <sub>2</sub> heterojunction photocatalysts with efficient interfacial contact and broadband absorption. <i>Journal of Alloys and Compounds</i> , 2018, 749, 473-480.	5.5	46
21	Optical and Electrical Enhancement of Hydrogen Evolution by MoS <sub>2</sub> @MoO <sub>3</sub> Core-Shell Nanowires with Designed Tunable Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018, 28, 1802567.	14.9	78
22	Perovskite Solar Cells: Unique Seamlessly Bonded CNT@Graphene Hybrid Nanostructure Introduced in an Interlayer for Efficient and Stable Perovskite Solar Cells ( <i>Adv. Funct. Mater.</i> 32/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870225.	14.9	2
23	Water Splitting: Optical and Electrical Enhancement of Hydrogen Evolution by MoS <sub>2</sub> @MoO <sub>3</sub> Core-Shell Nanowires with Designed Tunable Plasmon Resonance ( <i>Adv. Funct. Mater.</i> 32/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870226.	14.9	3
24	Unique Seamlessly Bonded CNT@Graphene Hybrid Nanostructure Introduced in an Interlayer for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1800475.	14.9	44
25	Dramatically Enhanced Ion Conductivity of Gel Polymer Electrolyte for Supercapacitor via h-BN Nanosheets Doping. <i>Electrochimica Acta</i> , 2017, 227, 455-461.	5.2	40
26	Au nanoparticles@MoS <sub>2</sub> core-shell structures with moderate MoS <sub>2</sub> coverage for efficient photocatalytic water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 706, 82-88.	5.5	40
27	Sequential solvent processing with hole transport materials for improving efficiency of traditionally-structured perovskite solar cells. <i>Nano Energy</i> , 2017, 41, 591-599.	16.0	27
28	Au NPs@MoS <sub>2</sub> Sub-Micrometer Sphere-ZnO Nanorod Hybrid Structures for Efficient Photocatalytic Hydrogen Evolution with Excellent Stability. <i>Small</i> , 2016, 12, 5692-5701.	10.0	118
29	Au Multimer@MoS <sub>2</sub> hybrid structures for efficient photocatalytic hydrogen production via strongly plasmonic coupling effect. <i>Nano Energy</i> , 2016, 30, 549-558.	16.0	98
30	Facile preparation of a SiO <sub>2</sub> @Al <sub>2</sub> O <sub>3</sub> aerogel using coal gangue as a raw material via an ambient pressure drying method and its application in organic solvent adsorption. <i>RSC Advances</i> , 2015, 5, 103656-103661.	3.6	28