

Shaohui Guo

List of Publications by Year in descending order

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papers

1,568
citations

331670

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docs citations

31
times ranked

1859
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting photocatalytic hydrogen production from water by photothermally induced biphasic systems. <i>Nature Communications</i> , 2021, 12, 1343.	12.8	209
2	Au NPs@MoS ₂ 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
3	Solution-Processed Sb ₂ S ₃ 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 ₃ Interface Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4970-4979.	8.0	100
4	Au Multimer@MoS ₂ hybrid structures for efficient photocatalytical hydrogen production via strongly plasmonic coupling effect. <i>Nano Energy</i> , 2016, 30, 549-558.	16.0	98
5	Edge-rich MoS ₂ grown on edge-oriented three-dimensional graphene glass for high-performance hydrogen evolution. <i>Nano Energy</i> , 2019, 57, 388-397.	16.0	98
6	In-situ growth of high-content 1T phase MoS ₂ confined in the CuS nanoframe for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118773.	20.2	97
7	Sulfur-Deficient ZnIn ₂ S ₄ /Oxygen-Deficient WO ₃ Hybrids with Carbon Layer Bridges as a Novel Photothermal/Photocatalytic Integrated System for Z-scheme Overall Water Splitting. <i>Advanced Energy Materials</i> , 2021, 11, 2102452.	19.5	81
8	Optical and Electrical Enhancement of Hydrogen Evolution by MoS ₂ @MoO ₃ Core-Shell Nanowires with Designed Tunable Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018, 28, 1802567.	14.9	78
9	One-step synthesis of P-doped MoS ₂ for efficient photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154635.	5.5	68
10	Monitoring Hydrogen Evolution Reaction Intermediates of Transition Metal Dichalcogenides via Operando Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2020, 30, 2003035.	14.9	64
11	Pt single-atoms supported on nitrogen-doped carbon dots for highly efficient photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14690-14696.	10.3	62
12	Heat Diffusion-Induced Gradient Energy Level in Multishell Bisulfides for Highly Efficient Photocatalytic Hydrogen Production. <i>Advanced Energy Materials</i> , 2020, 10, 2001575.	19.5	57
13	One-step MOFs-assisted synthesis of intimate contact MoP-Cu ₃ P hybrids for photocatalytic water splitting. <i>Chemical Engineering Journal</i> , 2020, 384, 123337.	12.7	49
14	Enhanced hydrogen evolution via interlaced Ni ₃ S ₂ /MoS ₂ heterojunction photocatalysts with efficient interfacial contact and broadband absorption. <i>Journal of Alloys and Compounds</i> , 2018, 749, 473-480.	5.5	46
15	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
16	Plasmonic MoO ₂ as co-catalyst of MoS ₂ for enhanced photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 504, 144291.	6.1	43
17	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
18	Au nanoparticles@MoS ₂ core-shell structures with moderate MoS ₂ coverage for efficient photocatalytic water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 706, 82-88.	5.5	40

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19	Effective interface contact on the hierarchical 1D/2D CoO/NiCo-LDH heterojunction for boosting photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2021, 549, 149108.	6.1	32
20	Facile preparation of a SiO ₂ –Al ₂ O ₃ 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
21	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
22	Efficient Raman Enhancement in Molybdenum Disulfide by Tuning the Interlayer Spacing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28474-28483.	8.0	23
23	Low-cost bauxite residue-MoS ₂ possessing adsorption and photocatalysis ability for removing organic pollutants in wastewater. <i>Separation and Purification Technology</i> , 2022, 283, 120144.	7.9	22
24	Tuning interlayer spacing of MoS ₂ for enhanced hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158581.	5.5	18
25	Au@MoS ₂ @Au Hierarchical Nanostructures for High-Sensitivity and Recyclable SERS Device. <i>Plasmonics</i> , 2020, 15, 591-598.	3.4	9
26	Designing Efficient MoS ₂ /g-C ₃ N ₄ Hybrid Photocatalysts by Regulating the Interlayer Spacing of MoS ₂ . <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3719-3726.	2.0	5
27	Water Splitting: Optical and Electrical Enhancement of Hydrogen Evolution by MoS ₂ @MoO ₃ 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
28	Plasma-Wind-Assisted In ₂ S ₃ Preparation with an Amorphous Surface Structure for Enhanced Photocatalytic Hydrogen Production. <i>Nanomaterials</i> , 2022, 12, 1761.	4.1	3
29	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
30	Blending poly(2-ethyl-2-oxazoline) with hydrophobic polymers as a hybrid adhesive with enhanced water-resistant properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51404.	2.6	1