

Yangqin Gao

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,724
citations

218381

26
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

2813
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal-based bimetallic MOFs and MOF-derived catalysts for electrochemical oxygen evolution reaction. <i>Energy and Environmental Science</i> , 2021, 14, 1897-1927.	15.6	415
2	Novel photocatalyst incorporating Ni-Co layered double hydroxides with P-doped CdS for enhancing photocatalytic activity towards hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 145-155.	10.8	209
3	In-situ synthesis of CoP co-catalyst decorated Zn _{0.5} Cd _{0.5} S photocatalysts with enhanced photocatalytic hydrogen production activity under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 429-436.	10.8	203
4	In-situ synthesis of Ni ₂ P co-catalyst decorated Zn _{0.5} Cd _{0.5} S nanorods for high-quantum-yield photocatalytic hydrogen production under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 194-201.	10.8	165
5	The roles and mechanism of cocatalysts in photocatalytic water splitting to produce hydrogen. <i>Chinese Journal of Catalysis</i> , 2020, 41, 642-671.	6.9	151
6	Highly Transparent and UV-Resistant Superhydrophobic SiO ₂ -Coated ZnO Nanorod Arrays. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2219-2223.	4.0	128
7	Ag-AgI/Bi ₃ O ₄ Cl for efficient visible light photocatalytic degradation of methyl orange: The surface plasmon resonance effect of Ag and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 140-148.	10.8	115
8	In Situ Electronic Redistribution Tuning of NiCo ₂ S ₄ Nanosheets for Enhanced Electrocatalysis. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	108
9	Novel PtPd alloy nanoparticle-decorated g-C ₃ N ₄ nanosheets with enhanced photocatalytic activity for H ₂ evolution under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2019, 40, 352-361.	6.9	106
10	In-situ synthesis of novel ternary CdS/PdAg/g-C ₃ N ₄ hybrid photocatalyst with significantly enhanced hydrogen production activity and catalytic mechanism exploration. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119509.	10.8	104
11	Novel AuPd bimetallic alloy decorated 2D BiVO ₄ nanosheets with enhanced photocatalytic performance under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 385-393.	10.8	95
12	Facile synthesis of AuPd/g-C ₃ N ₄ nanocomposite: An effective strategy to enhance photocatalytic hydrogen evolution activity. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22765-22775.	3.8	67
13	Synthesis of layer-like Ni(OH) ₂ decorated ZnIn ₂ S ₄ sub-microspheres with enhanced visible-light photocatalytic hydrogen production activity. <i>Dalton Transactions</i> , 2017, 46, 10620-10629.	1.6	63
14	Novel indirect Z-scheme g-C ₃ N ₄ /Bi ₂ MoO ₆ /Bi hollow microsphere heterojunctions with SPR-promoted visible absorption and highly enhanced photocatalytic performance. <i>Chinese Journal of Catalysis</i> , 2020, 41, 426-434.	6.9	62
15	In Situ Synthesis of Strongly Coupled Co ₂ P-CdS Nanohybrids: An Effective Strategy To Regulate Photocatalytic Hydrogen Evolution Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9940-9950.	3.2	61
16	Homo-tandem Polymer Solar Cells with $V_{OC} > 1.8$ V for Efficient PV-Driven Water Splitting. <i>Advanced Materials</i> , 2016, 28, 3366-3373.	11.1	57
17	In-situ synthesis of ternary metal phosphides Ni _x Co _{1-x} P decorated Zn _{0.5} Cd _{0.5} S nanorods with significantly enhanced photocatalytic hydrogen production activity. <i>Chemical Engineering Journal</i> , 2019, 378, 122220.	6.6	55
18	Design and applications of hollow-structured nanomaterials for photocatalytic H ₂ evolution and CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 679-707.	6.9	53

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19	Electrodeposited Co-Substituted LaFeO ₃ for Enhancing the Photoelectrochemical Activity of BiVO ₄ . ACS Applied Materials & Interfaces, 2020, 12, 17364-17375.	4.0	50
20	Synthesis of Bi ₃ O ₄ Cl nanosheets with oxygen vacancies: The effect of defect states on photocatalytic performance. Applied Surface Science, 2020, 507, 144806.	3.1	44
21	Hybrid tandem solar cells with depleted-heterojunction quantum dot and polymer bulk heterojunction subcells. Nano Energy, 2015, 17, 196-205.	8.2	43
22	In-situ synthesis of novel plate-like Co(OH) ₂ co-catalyst decorated TiO ₂ nanosheets with efficient photocatalytic H ₂ evolution activity. International Journal of Hydrogen Energy, 2017, 42, 22877-22886.	3.8	42
23	Synthesis of ternary Ni ₂ P@UiO-66-NH ₂ /Zn _{0.5} Cd _{0.5} S composite materials with significantly improved photocatalytic H ₂ production performance. Chinese Journal of Catalysis, 2022, 43, 1295-1305.	6.9	42
24	Fe ₂ TiO ₅ as an Efficient Co-catalyst To Improve the Photoelectrochemical Water Splitting Performance of BiVO ₄ . ACS Applied Materials & Interfaces, 2018, 10, 39713-39722.	4.0	41
25	Identification of the Charge Transfer Channel in Cobalt Encapsulated Hollow Nitrogen-Doped Carbon Matrix@CdS Heterostructure for Photocatalytic Hydrogen Evolution. Small, 2021, 17, e2101315.	5.2	41
26	Design and fabrication of hollow structured Cu ₂ MoS ₄ /ZnIn ₂ S ₄ nanocubes with significant enhanced photocatalytic hydrogen evolution performance. International Journal of Hydrogen Energy, 2021, 46, 37847-37859.	3.8	29
27	Synthesis of novel CoO _x decorated CeO ₂ hollow structures with an enhanced photocatalytic water oxidation performance under visible light irradiation. Dalton Transactions, 2017, 46, 10578-10585.	1.6	28
28	In-situ synthesis of PdAg/g-C ₃ N ₄ composite photocatalyst for highly efficient photocatalytic H ₂ generation under visible light irradiation. International Journal of Hydrogen Energy, 2019, 44, 19929-19941.	3.8	26
29	<i>In situ</i> synthesis of novel Cu ₂ CO ₃ (OH) ₂ decorated 2D TiO ₂ nanosheets with efficient photocatalytic H ₂ evolution activity. Dalton Transactions, 2018, 47, 348-356.	1.6	25
30	Hybrid tandem quantum dot/organic photovoltaic cells with complementary near infrared absorption. Applied Physics Letters, 2017, 110, 223903.	1.5	23
31	Co/Cu-modified NiO film grown on nickel foam as a highly active and stable electrocatalyst for overall water splitting. Dalton Transactions, 2020, 49, 1776-1784.	1.6	20
32	In-situ constructing cobalt incorporated nitrogen-doped carbon/CdS heterojunction with efficient interfacial charge transfer for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 27961-27972.	3.8	14
33	Pt/Bi ₂₄ O ₃₁ Cl ₁₀ composite nanosheets with significantly enhanced photocatalytic activity under visible light irradiation. Chinese Journal of Catalysis, 2019, 40, 713-721.	6.9	13
34	Synthesis of novel Co _x Mo _{1-x} S-Cd _{0.5} Zn _{0.5} S composites with significantly improved photocatalytic hydrogen evolution performance under visible-light illumination. International Journal of Hydrogen Energy, 2019, 44, 8188-8196.	3.8	13
35	In Situ Activation of Amorphous NiFeMo Oxide Cocatalyst To Improve the Photoelectrochemical Water Splitting Performance of BiVO ₄ . ACS Applied Energy Materials, 2021, 4, 14649-14661.	2.5	8
36	Arrays of Hollow Silica Half-Nanospheres Via the Breath Figure Approach. Advanced Materials Interfaces, 2015, 2, 1500078.	1.9	4

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37	Solar Cells: Homo-Tandem Polymer Solar Cells with $V_{OC} > 1.8$ V for Efficient PV-Driven Water Splitting (Adv. Mater. 17/2016). Advanced Materials, 2016, 28, 3412-3412.	11.1	1
38	Engineering of refractive index in sulfide chalcogenide glass by direct laser writing. , 2010, , .		0