

Sha-Sha Yi

List of Publications by Year in descending order

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41
papers

2,829
citations

236925

25
h-index

276875

41
g-index

41
all docs

41
docs citations

41
times ranked

3640
citing authors

#	ARTICLE	IF	CITATIONS
1	Noble-metal-free cobalt phosphide modified carbon nitride: An efficient photocatalyst for hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 477-483.	20.2	364
2	Amorphizing of Cu Nanoparticles toward Highly Efficient and Robust Electrocatalyst for CO ₂ Reduction to Liquid Fuels with High Faradaic Efficiencies. <i>Advanced Materials</i> , 2018, 30, e1706194.	21.0	242
3	Highly Efficient Photoelectrochemical Water Splitting: Surface Modification of Cobalt-Phosphate-Loaded Co ₃ O ₄ /Fe ₂ O ₃ Heterojunction Nanorod Arrays. <i>Advanced Functional Materials</i> , 2019, 29, 1801902.	14.9	220
4	Well-controlled SrTiO ₃ @Mo ₂ C core-shell nanofiber photocatalyst: Boosted photo-generated charge carriers transportation and enhanced catalytic performance for water reduction. <i>Nano Energy</i> , 2018, 47, 463-473.	16.0	189
5	Anchoring and Upgrading Ultrafine NiPd on Room-Temperature-Synthesized Bifunctional NH ₂ -GO toward Low-Cost and Highly Efficient Catalysts for Selective Formic Acid Dehydrogenation. <i>Advanced Materials</i> , 2018, 30, e1703038.	21.0	156
6	Non-noble metals applied to solar water splitting. <i>Energy and Environmental Science</i> , 2018, 11, 3128-3156.	30.8	134
7	Cobalt Phosphide Modified Titanium Oxide Nanophotocatalysts with Significantly Enhanced Photocatalytic Hydrogen Evolution from Water Splitting. <i>Small</i> , 2017, 13, 1603301.	10.0	132
8	A novel architecture of dandelion-like Mo ₂ C/TiO ₂ heterojunction photocatalysts towards high-performance photocatalytic hydrogen production from water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10591-10598.	10.3	113
9	A novel and highly efficient earth-abundant Cu ₃ P with TiO ₂ heterojunction nanophotocatalyst for hydrogen evolution from water. <i>Nanoscale</i> , 2016, 8, 17516-17523.	5.6	110
10	Carbon quantum dot sensitized integrated Fe ₂ O ₃ @g-C ₃ N ₄ core-shell nanoarray photoanode towards highly efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9839-9845.	10.3	110
11	Oxygen vacancy engineered SrTiO ₃ nanofibers for enhanced photocatalytic H ₂ production. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17974-17980.	10.3	88
12	Recent Development in Defects Engineered Photocatalysts: An Overview of the Experimental and Theoretical Strategies. <i>Energy and Environmental Materials</i> , 2022, 5, 68-114.	12.8	81
13	In-situ growth of ruthenium-based nanostructure on carbon cloth for superior electrocatalytic activity towards HER and OER. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121729.	20.2	77
14	Amorphous nickel pyrophosphate modified graphitic carbon nitride: an efficient photocatalyst for hydrogen generation from water splitting. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 43-50.	20.2	75
15	Efficient visible-light-driven hydrogen generation from water splitting catalyzed by highly stable CdS@Mo ₂ C core-shell nanorods. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15862-15868.	10.3	67
16	Hydrogen-Etched Bifunctional Sulfur-Defect-Rich ReS ₂ /CC Electrocatalyst for Highly Efficient HER and OER. <i>Small</i> , 2020, 16, e2003007.	10.0	64
17	In-situ constructing S-scheme/Schottky junction and oxygen vacancy on SrTiO ₃ to steer charge transfer for boosted photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021, 417, 129231.	12.7	58
18	Coupling effects of indium oxide layer on hematite enabling efficient photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119649.	20.2	57

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19	Precursorâ€‘Engineering Coupled Microwave Moltenâ€‘Salt Strategy Enhances Photocatalytic Hydrogen Evolution Performance of gâ€‘C₃N₄ Nanostructures. ChemSusChem, 2020, 13, 827-837.	6.8	54
20	Integrating RuNi alloy in S-doped defective carbon for efficient hydrogen evolution in both acidic and alkaline media. Chemical Engineering Journal, 2021, 417, 129319.	12.7	42
21	In-situ coating of multifunctional FeCo-bimetal organic framework nanolayers on hematite photoanode for superior oxygen evolution. Applied Catalysis B: Environmental, 2021, 297, 120406.	20.2	41
22	Synergetic integration of passivation layer and oxygen vacancy on hematite nanoarrays for boosted photoelectrochemical water oxidation. Applied Catalysis B: Environmental, 2021, 284, 119760.	20.2	40
23	Effect of Photogenerated Charge Transfer on the Photocatalysis in High-Performance Hybrid Ptâ€‘Co:ZnO Nanostructure Photocatalyst. ACS Applied Materials & Interfaces, 2013, 5, 4017-4020.	8.0	37
24	Microwave-assisted synthesis of hierarchically porous Co ₃ O ₄ /rGO nanocomposite for low-temperature acetone detection. Journal of Colloid and Interface Science, 2021, 594, 690-701.	9.4	31
25	Comparative insight into effect of hybridizing potassium and hydrogen ions on photocatalytic Reduction/Oxidization behavior of g-C ₃ N ₄ nanocrystals. Chemical Engineering Journal, 2021, 417, 129187.	12.7	27
26	Steering charge kinetics in W ₂ C@C/TiO ₂ heterojunction architecture: Efficient solar-light-driven hydrogen generation. Applied Catalysis B: Environmental, 2019, 255, 117760.	20.2	25
27	Enhanced triethylamine-sensing properties of hierarchical molybdenum trioxide nanostructures derived by oxidizing molybdenum disulfide nanosheets. Journal of Colloid and Interface Science, 2022, 605, 624-636.	9.4	25
28	Intrinsic-structural-modulated carbon cloth as efficient electrocatalyst for water oxidation. Applied Catalysis B: Environmental, 2021, 292, 120152.	20.2	23
29	2D/1D V ₂ O ₅ Nanoplates Anchored Carbon Nanofibers as Efficient Separator Interlayer for Highly Stable Lithiumâ€‘Sulfur Battery. Nanomaterials, 2020, 10, 705.	4.1	20
30	Microsized Red Luminescent MgAl₂O₄:Mn⁴⁺ Single-Crystal Phosphor Grown in Molten Salt for White LEDs. Inorganic Chemistry, 2020, 59, 18374-18383.	4.0	19
31	Supporting bimetallic sulfide on 3D TiO ₂ hollow shells to boost photocatalytic activity. Chemical Engineering Journal, 2020, 390, 124602.	12.7	18
32	High temperature induced S vacancies in natural molybdenite for robust electrocatalytic nitrogen reduction. Journal of Colloid and Interface Science, 2021, 599, 849-856.	9.4	16
33	Non-noble-metal bismuth nanoparticle-decorated bismuth vanadate nanoarray photoanode for efficient water splitting. Materials Chemistry Frontiers, 2018, 2, 1799-1804.	5.9	13
34	Bio-inspired SiO ₂ -hard-template reconstructed g-C ₃ N ₄ nanosheets for enhanced photocatalytic hydrogen evolution. Catalysis Science and Technology, 2020, 10, 4655-4662.	4.1	13
35	Linear-Polyethyleneimine-Templated Synthesis of N-Doped Carbon Nanonet Flakes for High-performance Supercapacitor Electrodes. Nanomaterials, 2019, 9, 1225.	4.1	11
36	Linear-PEI-Derived Hierarchical Porous Carbon Nanonet Flakes Decorated with MoS₂ as Efficient Polysulfides Stabilization Interlayers for Lithiumâ€‘Sulfur Battery. Energy & Fuels, 2021, 35, 10303-10314.	5.1	11

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37	TiO ₂ -carbon porous nanostructures for immobilization and conversion of polysulfides. Chinese Chemical Letters, 2023, 34, 107229.	9.0	7
38	Design of charge transfer channels: defective TiO ₂ /MoP supported on carbon cloth for solar-light-driven hydrogen generation. Inorganic Chemistry Frontiers, 2021, 8, 2017-2026.	6.0	6
39	One-Pot Synthesis of Fe-N-C Species-Modified Carbon Nanotubes for ORR Electrocatalyst with Overall Enhanced Performance Superior to Pt/C. Nano, 2021, 16, 2150028.	1.0	5
40	Valence State Control of Manganese in MgAl ₂ O ₄ :Mn ⁴⁺ Phosphor by Varying the Al ₂ O ₃ Crystal Form. Wujia Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 513.	1.3	4
41	Advances in Valence State Analysis of Manganese in Mn ⁴⁺ -activated Red Phosphors for White LEDs. Chinese Journal of Luminescence, 2020, 41, 1195-1213.	0.5	4