

Jun Pan

List of Publications by Year in descending order

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70
papers

3,513
citations

109264

35
h-index

138417

58
g-index

70
all docs

70
docs citations

70
times ranked

4313
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled preparation of hollow Zn _{0.3} Cd _{0.7} S nanospheres modified by NiS _{1.97} nanosheets for superior photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1-9.	5.0	13
2	Investigating the active sites in molybdenum anchored nitrogen-doped carbon for alkaline oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 617-626.	5.0	14
3	The In-situ Growth of Ru Modified CoP Nanoflakes on Carbon Clothes as Efficient Electrocatalysts for HER**. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3
4	Dynamic dissolution and re-adsorption of molybdate ion in iron incorporated nickel-molybdenum oxyhydroxide for promoting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121150.	10.8	88
5	Ultrafast interfacial charge evolution of the Type-II cadmium Sulfide/Molybdenum disulfide heterostructure for photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 246-256.	5.0	23
6	Construction of S-scheme BiOCl/CdS composite for enhanced photocatalytic degradation of antibiotic. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13303-13315.	1.1	13
7	Ru-optimized geometric sites of cations in CoFe/CoFe ₂ O ₄ electrocatalysts with graphitic carbon shells for boosting water oxidation. <i>Electrochimica Acta</i> , 2022, 425, 140665.	2.6	6
8	Rational design of OD/3D Sn ₃ O ₄ /NiS nanocomposites for enhanced photocatalytic hydrogen generation. <i>New Journal of Chemistry</i> , 2022, 46, 14043-14051.	1.4	2
9	Electrostatic self-assembly of 2D/2D Bi ₂ WO ₆ /ZnIn ₂ S ₄ heterojunction with enhanced photocatalytic degradation of tetracycline hydrochloride. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123408.	1.4	9
10	One-step chemical bath co-precipitation method to prepare high hydrogen-producing active Zn _x Cd _{1-x} S solid solution with adjustable band structure. <i>Journal of Materials Science</i> , 2021, 56, 5717-5729.	1.7	14
11	Abundant hydroxyl groups decorated on nitrogen vacancy-embedded g-C ₃ N ₄ with efficient photocatalytic hydrogen evolution performance. <i>Catalysis Science and Technology</i> , 2021, 11, 3914-3924.	2.1	14
12	A Novel Metal-Organic Framework Intermediated Synthesis of Heterogeneous CoS ₂ /CoS Porous Nanosheets for Enhanced Oxygen Evolution Reaction. <i>Energy Technology</i> , 2021, 9, 2000961.	1.8	17
13	In situ synthesis of cubic PtPd bimetallic co-catalyst on C ₃ N ₄ nanosheets for photocatalytic hydrogen generation. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	6
14	Shape-dependent hydrogen generation performance of PtPd bimetallic co-catalyst coupled with C ₃ N ₄ photocatalyst. <i>Rare Metals</i> , 2021, 40, 3554-3560.	3.6	20
15	Voltage-Modulated Structure Stress for Enhanced Electrochemical Performances: The Case of 1/4-Sn in Sodium-Ion Batteries. <i>Nano Letters</i> , 2021, 21, 3588-3595.	4.5	38
16	Insight into the amorphous nickel-iron (oxy)hydroxide catalyst for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 307-313.	5.0	34
17	Unveiling Role of Sulfate Ion in Nickel-Iron (oxy)Hydroxide with Enhanced Oxygen-Evolving Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2102772.	7.8	158
18	Ion-biosorption induced core-shell Fe ₂ P@carbon nanoparticles decorated on N, P co-doped carbon materials for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2385-2394.	3.0	14

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19	Crystalline Sb or Bi in amorphous Ti-based oxides as anode materials for sodium storage. <i>Chemical Engineering Journal</i> , 2020, 380, 122624.	6.6	22
20	Prussian blue analogue-derived Mn ^{II} /Fe oxide nanocubes with controllable crystal structure and crystallinity as highly efficient OER electrocatalysts. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153438.	2.8	45
21	Achieving electronic structure reconfiguration in metallic carbides for robust electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2453-2462.	5.2	71
22	Interfaces of graphitic carbon nitride-based composite photocatalysts. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4754-4793.	3.0	41
23	Interface engineering in CeO ₂ (1 1 1) facets decorated with CdSe quantum dots for photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 707-713.	5.0	41
24	Fabrication of bismuth titanate nanosheets with tunable crystal facets for photocatalytic degradation of antibiotic. <i>Journal of Materials Science</i> , 2019, 54, 13740-13752.	1.7	35
25	One-pot nitridation route synthesis of SrTaO ₂ N/Ta ₃ N ₅ type II heterostructure with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 74-79.	5.0	19
26	Sodium borohydride-assisted synthesis of strontium substituted lanthanum cobaltate with in-situ generated cobaltic oxide: Towards enhanced oxygen evolution reaction in alkaline media. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 103-111.	5.0	8
27	Improved photocatalytic hydrogen evolution by facet engineering of core-shell structural CdS@ZnO. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25599-25606.	3.8	17
28	Construction of two dimensional Sr ₂ Ta ₂ O ₇ /S-doped g-C ₃ N ₄ nanocomposites with Pt cocatalyst for enhanced visible light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 478, 334-340.	3.1	28
29	Boosted electrocatalytic activity of nitrogen-doped porous carbon triggered by oxygen functional groups. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 133-142.	5.0	23
30	Iron-nitrogen-carbon species for oxygen electro-reduction and Zn-air battery: Surface engineering and experimental probe into active sites. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 601-611.	10.8	78
31	Constructing a direct Z-scheme photocatalytic system based on 2D/2D WO ₃ /ZnIn ₂ S ₄ nanocomposite for efficient hydrogen evolution under visible light. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 929-939.	3.0	88
32	Manganese oxide at cadmium sulfide (MnO _x @CdS) shells encapsulated with graphene: A spatially separated photocatalytic system towards superior hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 452-462.	5.0	72
33	Boosting charge transfer via molybdenum doping and electric-field effect in bismuth tungstate: Density function theory calculation and potential applications. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 20-30.	5.0	36
34	Efficient hydrogen generation of indium doped BaTiO ₃ decorated with CdSe quantum dots: Novel understanding of the effect of doping strategy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1627-1639.	3.8	16
35	Synergetic utilization of photoabsorption and surface facet in crystalline/amorphous contacted BiOCl-Bi ₂ S ₃ composite for photocatalytic degradation. <i>Journal of Alloys and Compounds</i> , 2019, 780, 907-916.	2.8	46
36	Metal-organic framework-driven copper/carbon polyhedron: synthesis, characterization and the role of copper in electrochemistry properties. <i>Journal of Materials Science</i> , 2018, 53, 7755-7766.	1.7	13

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37	Novel two-dimensional Bi ₄ V ₂ O ₁₁ nanosheets: controllable synthesis, characterization and insight into the band structure. CrystEngComm, 2018, 20, 1116-1122.	1.3	16
38	Construction of Z-Scheme System for Enhanced Photocatalytic H ₂ Evolution Based on CdS Quantum Dots/CeO ₂ Nanorods Heterojunction. ACS Sustainable Chemistry and Engineering, 2018, 6, 2552-2562.	3.2	105
39	Insights into the efficient charge separation and transfer efficiency of La,Cr-codoped SrTiO ₃ modified with CoP as a noble-metal-free co-catalyst for superior visible-light driven photocatalytic hydrogen generation. Inorganic Chemistry Frontiers, 2018, 5, 679-686.	3.0	31
40	Insights into the synergy effect of anisotropic {001} and {230} facets of BaTiO ₃ nanocubes sensitized with CdSe quantum dots for photocatalytic water reduction. Applied Catalysis B: Environmental, 2018, 227, 1-12.	10.8	116
41	Self-integrated I ² -Bi ₂ O ₃ /Bi ₂ O _{2.33} @Bi ₂ O ₂ CO ₃ ternary composites: Formation mechanism and visible light photocatalytic activity. Applied Surface Science, 2018, 430, 613-624.	3.1	60
42	Sulphur and nitrogen dual-doped mesoporous carbon hybrid coupling with graphite coated cobalt and cobalt sulfide nanoparticles: Rational synthesis and advanced multifunctional electrochemical properties. Journal of Colloid and Interface Science, 2018, 509, 254-264.	5.0	29
43	Facet and morphology dependent photocatalytic hydrogen evolution with CdS nanoflowers using a novel mixed solvothermal strategy. Journal of Colloid and Interface Science, 2018, 513, 222-230.	5.0	62
44	Layered-Structure SbPO ₄ /Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. ACS Nano, 2018, 12, 12869-12878.	7.3	87
45	SnP ₂ O ₇ Covered Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. Advanced Functional Materials, 2018, 28, 1804672.	7.8	84
46	Rational Design of Z-Scheme System Based on 3D Hierarchical CdS Supported OD Co ₉ S ₈ Nanoparticles for Superior Photocatalytic H ₂ Generation. ACS Sustainable Chemistry and Engineering, 2018, 6, 10385-10394.	3.2	95
47	Copper-nickel embedded into a nitrogen-doped carbon octahedron as an effective bifunctional electrocatalyst. Inorganic Chemistry Frontiers, 2018, 5, 2276-2283.	3.0	42
48	Enhanced visible-light photocatalytic degradation by Mn ₃ O ₄ /CeO ₂ heterojunction: a Z-scheme system photocatalyst. Inorganic Chemistry Frontiers, 2018, 5, 2579-2586.	3.0	50
49	BODIPY modified g-C ₃ N ₄ as a highly efficient photocatalyst for degradation of Rhodamine B under visible light irradiation. Journal of Solid State Chemistry, 2018, 267, 22-27.	1.4	13
50	Phase Transformation Synthesis of Strontium Tantalum Oxynitride-Based Heterojunction for Improved Visible Light-Driven Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 21328-21334.	4.0	55
51	Intimate contacted two-dimensional/zero-dimensional composite of bismuth titanate nanosheets supported ultrafine bismuth oxychloride nanoparticles for enhanced antibiotic residue degradation. Journal of Colloid and Interface Science, 2018, 529, 23-33.	5.0	35
52	Highly efficient adsorption/photodegradation of organic pollutants using Sn ¹ ~0.25xCu ₂ S ₂ flower-like as a novel photocatalyst. Journal of Alloys and Compounds, 2017, 702, 489-498.	2.8	9
53	Simple and facile ultrasound-assisted fabrication of Bi ₂ O ₂ CO ₃ /g-C ₃ N ₄ composites with excellent photoactivity. Journal of Colloid and Interface Science, 2017, 497, 144-154.	5.0	53
54	Enhanced performance of doped BiOCl nanoplates for photocatalysis: understanding from doping insight into improved spatial carrier separation. Journal of Materials Chemistry A, 2017, 5, 12542-12549.	5.2	138

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55	Effect of sodium doping on the structure and enhanced photocatalytic hydrogen evolution performance of graphitic carbon nitride. <i>Molecular Catalysis</i> , 2017, 433, 128-135.	1.0	35
56	In situ formation of carbon encapsulated nanosheet-assembled MoSe ₂ hollow nanospheres with boosting lithium storage. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 279-285.	5.0	29
57	Multiple active components, synergistically driven cobalt and nitrogen Co-doped porous carbon as high-performance oxygen reduction electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1748-1756.	3.0	32
58	Well-organized migration of electrons for enhanced hydrogen evolution: Integration of 2D MoS ₂ nanosheets with plasmonic photocatalyst by a facile ultrasonic chemical method. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 559-566.	5.0	27
59	Constructing 2D BiOCl/C ₃ N ₄ layered composite with large contact surface for visible-light-driven photocatalytic degradation. <i>Applied Surface Science</i> , 2017, 426, 897-905.	3.1	95
60	Câ€S bond induced ultrafine SnS ₂ dot/porous g-C ₃ N ₄ sheet OD/2D heterojunction: synthesis and photocatalytic mechanism investigation. <i>Dalton Transactions</i> , 2017, 46, 17032-17040.	1.6	50
61	Photocorrosion inhibition and high-efficiency photoactivity of porous g-C ₃ N ₄ /Ag ₂ CrO ₄ composites by simple microemulsion-assisted co-precipitation method. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 78-88.	10.8	170
62	Hierarchical flower-like SnSe ₂ supported Ag ₃ PO ₄ nanoparticles: Towards visible light driven photocatalyst with enhanced performance. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 326-334.	10.8	154
63	Facile fabrication of novel porous graphitic carbon nitride/copper sulfide nanocomposites with enhanced visible light driven photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 132-143.	5.0	74
64	Rational design and preparation of few-layered MoSe ₂ nanosheet@C/TiO ₂ nanobelt heterostructures with superior lithium storage performance. <i>RSC Advances</i> , 2016, 6, 23161-23168.	1.7	47
65	CTAB-assisted synthesis of novel ultrathin MoSe ₂ nanosheets perpendicular to graphene for the adsorption and photodegradation of organic dyes under visible light. <i>Nanoscale</i> , 2016, 8, 440-450.	2.8	163
66	A green and facile strategy for preparation of novel and stable Cr-doped SrTiO ₃ /g-C ₃ N ₄ hybrid nanocomposites with enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 647, 456-462.	2.8	91
67	In situ construction of an SnO ₂ /g-C ₃ N ₄ heterojunction for enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 68953-68963.	1.7	123
68	Self-assemble SnO ₂ @TiO ₂ porous nanowireâ€nanosheet heterostructures for enhanced photocatalytic property. <i>CrystEngComm</i> , 2014, 16, 10863-10869.	1.3	29
69	One-Dimensional SnO ₂ Nanostructures: Synthesis and Applications. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-12.	1.5	60
70	Compositionâ€unable Vertically Aligned CdS_xSe_{1-x} Nanowire Arrays via van der Waals Epitaxy: Investigation of Optical Properties and Photocatalytic Behavior. <i>Advanced Materials</i> , 2012, 24, 4151-4156.	11.1	69