

# Kai Dai

## List of Publications by Year in descending order

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118  
papers

7,763  
citations

44069

48  
h-index

51608

86  
g-index

120  
all docs

120  
docs citations

120  
times ranked

5857  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-solid-state artificial Z-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Sn <sub>2</sub> S <sub>3</sub> -DETA heterostructure photocatalyst with enhanced performance in photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 528-538.	20.2	350
2	Heterojunction of facet coupled g-C <sub>3</sub> N <sub>4</sub> /surface-fluorinated TiO <sub>2</sub> nanosheets for organic pollutants degradation under visible LED light irradiation. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 331-340.	20.2	316
3	Noble-metal-free Ni <sub>2</sub> P modified step-scheme SnNb <sub>2</sub> O <sub>6</sub> /CdS-diethylenetriamine for photocatalytic hydrogen production under broadband light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118844.	20.2	312
4	Two-dimensional sulfur- and chlorine-codoped g-C <sub>3</sub> N <sub>4</sub> /CdSe-amine heterostructures nanocomposite with effective interfacial charge transfer and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119452.	20.2	283
5	Step-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Zn <sub>0.2</sub> Cd <sub>0.8</sub> S-DETA composites for efficient and stable photocatalytic H <sub>2</sub> production. <i>Chinese Journal of Catalysis</i> , 2020, 41, 41-49.	14.0	259
6	Bi SPR-Promoted Z-Scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdS-Diethylenetriamine Composite with Effectively Enhanced Visible Light Photocatalytic Hydrogen Evolution Activity and Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 696-706.	6.7	240
7	A novel step-scheme BiVO <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> photocatalyst for enhanced photocatalytic degradation activity under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 46-55.	14.0	234
8	Integrated S-scheme Heterojunction of Amine-Functionalized 1D CdSe Nanorods Anchoring on Ultrathin 2D SnNb <sub>2</sub> O <sub>6</sub> Nanosheets for Robust Solar-Driven CO <sub>2</sub> Conversion. <i>Solar Rrl</i> , 2021, 5, 2000805.	5.8	206
9	Facile synthesis of Z-scheme graphitic-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> nanocomposite for enhanced visible photocatalytic properties. <i>Applied Surface Science</i> , 2015, 358, 377-384.	6.1	200
10	Sonication assisted preparation of graphene oxide/graphitic-C <sub>3</sub> N <sub>4</sub> nanosheet hybrid with reinforced photocurrent for photocatalyst applications. <i>Dalton Transactions</i> , 2014, 43, 6295.	3.3	178
11	Facile synthesis of Z-scheme BiVO <sub>4</sub> /porous graphite carbon nitride heterojunction for enhanced visible-light-driven photocatalyst. <i>Applied Surface Science</i> , 2018, 430, 595-602.	6.1	161
12	A high efficient graphitic-C <sub>3</sub> N <sub>4</sub> /BiOI/graphene oxide ternary nanocomposite heterostructured photocatalyst with graphene oxide as electron transport buffer material. <i>Dalton Transactions</i> , 2015, 44, 7903-7910.	3.3	149
13	Efficient Visible-Light-Driven Splitting of Water into Hydrogen over Surface-Fluorinated Anatase TiO <sub>2</sub> Nanosheets with Exposed {001} Facets/Layered CdS-Diethylenetriamine Nanobelts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12817-12826.	6.7	149
14	A novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /BiOBr photocatalyst for enhanced photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2018, 456, 473-481.	6.1	149
15	Construction of Ag SPR-promoted step-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> heterojunction for improving photocatalytic activity. <i>Applied Surface Science</i> , 2019, 488, 151-160.	6.1	146
16	Amine-Modified S-Scheme Porous g-C <sub>3</sub> N <sub>4</sub> /CdSe-Diethylenetriamine Composite with Enhanced Photocatalytic CO <sub>2</sub> Reduction Activity. <i>ACS Applied Energy Materials</i> , 2021, 4, 956-968.	5.1	146
17	Highly efficient direct Z-scheme WO <sub>3</sub> /CdS-diethylenetriamine photocatalyst and its enhanced photocatalytic H <sub>2</sub> evolution under visible light irradiation. <i>Applied Surface Science</i> , 2018, 442, 20-29.	6.1	137
18	Large scale preparing carbon nanotube/zinc oxide hybrid and its application for highly reusable photocatalyst. <i>Chemical Engineering Journal</i> , 2012, 191, 571-578.	12.7	127

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19	In situ controllable synthesis of novel surface plasmon resonance-enhanced Ag <sub>2</sub> WO <sub>4</sub> /Ag/Bi <sub>2</sub> MoO <sub>6</sub> composite for enhanced and stable visible light photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 507-515.	6.1	123
20	Facile constructing novel 2D porous g-C <sub>3</sub> N <sub>4</sub> /BiOBr hybrid with enhanced visible-light-driven photocatalytic activity. <i>Separation and Purification Technology</i> , 2017, 178, 6-17.	7.9	122
21	Construction of Z-scheme Ag <sub>3</sub> PO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> composite with excellent visible-light photodegradation activity for removal of organic contaminants. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2021-2029.	14.0	117
22	One-step growth of nanosheet-assembled BiOCl/BiOBr microspheres for highly efficient visible photocatalytic performance. <i>Applied Surface Science</i> , 2018, 430, 639-646.	6.1	116
23	Direct Z-scheme porous g-C <sub>3</sub> N <sub>4</sub> /BiOI heterojunction for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 766, 841-850.	5.5	115
24	Plasmonic Ag <sub>2</sub> MoO <sub>4</sub> /AgBr/Ag composite: Excellent photocatalytic performance and possible photocatalytic mechanism. <i>Applied Surface Science</i> , 2017, 396, 791-798.	6.1	111
25	Organic amine surface modified one-dimensional CdSe <sub>0.8</sub> S <sub>0.2</sub> -diethylenetriamine/two-dimensional SnNb <sub>2</sub> O <sub>6</sub> S-scheme heterojunction with promoted visible-light-driven photocatalytic CO <sub>2</sub> reduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 255-264.	14.0	107
26	In situ assembly of MnO <sub>2</sub> nanowires/graphene oxide nanosheets composite with high specific capacitance. <i>Electrochimica Acta</i> , 2014, 116, 111-117.	5.2	95
27	Ag SPR-promoted 2D porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> composites for enhanced photocatalytic performance towards methylene blue degradation. <i>Applied Surface Science</i> , 2018, 459, 271-280.	6.1	95
28	Construction of 2D/2D porous graphitic C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> composite as a direct Z-scheme system for efficient visible photocatalytic activity. <i>Applied Surface Science</i> , 2019, 481, 1260-1269.	6.1	91
29	Graphitic carbon nitride nanosheet for photocatalytic hydrogen production: The impact of morphology and element composition. <i>Applied Surface Science</i> , 2017, 391, 369-375.	6.1	88
30	Efficient interfacial charge transfer of 2D/2D porous carbon nitride/bismuth oxychloride step-scheme heterojunction for boosted solar-driven CO <sub>2</sub> reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 684-693.	9.4	85
31	In-situ fabrication of Bi <sub>2</sub> S <sub>3</sub> /BiVO <sub>4</sub> /Mn <sub>0.5</sub> Cd <sub>0.5</sub> S-DETA ternary S-scheme heterostructure with effective interface charge separation and CO <sub>2</sub> reduction performance. <i>Journal of Materials Science and Technology</i> , 2022, 117, 109-119.	10.7	83
32	Chalcogenide photocatalysts for selective oxidation of aromatic alcohols to aldehydes using O <sub>2</sub> and visible light: A case study of CdIn <sub>2</sub> S <sub>4</sub> , CdS and In <sub>2</sub> S <sub>3</sub> . <i>Chemical Engineering Journal</i> , 2018, 348, 966-977.	12.7	79
33	Plasmonic Bi-enhanced ammoniated $\hat{\pm}$ -MnS/Bi <sub>2</sub> MoO <sub>6</sub> S-scheme heterostructure for visible-light-driven CO <sub>2</sub> reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 844-855.	9.4	76
34	A facile fabrication of plasmonic g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> WO <sub>4</sub> /Ag ternary heterojunction visible-light photocatalyst. <i>Materials Chemistry and Physics</i> , 2016, 177, 529-537.	4.0	75
35	Noble-metal-free Ni <sub>2</sub> P as cocatalyst decorated rapid microwave solvothermal synthesis of inorganic-organic CdS-DETA hybrids for enhanced photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019, 481, 1385-1393.	6.1	68
36	Graphene oxide capturing surface-fluorinated TiO <sub>2</sub> nanosheets for advanced photocatalysis and the reveal of synergism reinforce mechanism. <i>Dalton Transactions</i> , 2014, 43, 2202-2210.	3.3	66

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37	One-pot synthesis of step-scheme Bi <sub>2</sub> S <sub>3</sub> /porous g-C <sub>3</sub> N <sub>4</sub> heterostructure for enhanced photocatalytic performance. <i>Materials Letters</i> , 2019, 257, 126740.	2.6	66
38	Composition dependent metal-semiconductor transition in transparent and conductive La-doped BaSnO <sub>3</sub> epitaxial films. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	65
39	Boosting visible light photocatalytic hydrogen evolution of graphitic carbon nitride via enhancing its interfacial redox activity with cobalt/nitrogen doped tubular graphitic carbon. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 512-518.	20.2	65
40	Facile synthesis of a surface plasmon resonance-enhanced Ag/AgBr heterostructure and its photocatalytic performance with 450 nm LED illumination. <i>Dalton Transactions</i> , 2013, 42, 4657.	3.3	64
41	A Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdSe-diethylenetriamine heterojunction for enhancing photocatalytic hydrogen production activity under visible light. <i>Dalton Transactions</i> , 2019, 48, 1067-1074.	3.3	64
42	Porous carbon nitride with defect mediated interfacial oxidation for improving visible light photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 384-390.	20.2	62
43	In situ photochemical synthesis noble-metal-free NiS on CdS-diethylenetriamine nanosheets for boosting photocatalytic H <sub>2</sub> production activity. <i>Applied Surface Science</i> , 2019, 481, 669-677.	6.1	62
44	Graphene oxide modified ZnO nanorods hybrid with high reusable photocatalytic activity under UV-LED irradiation. <i>Materials Chemistry and Physics</i> , 2014, 143, 1410-1416.	4.0	60
45	Preparation of Z-scheme WO <sub>3</sub> (H <sub>2</sub> O) <sub>0.333</sub> /Ag <sub>3</sub> PO <sub>4</sub> composites with enhanced photocatalytic activity and durability. <i>Chinese Journal of Catalysis</i> , 2019, 40, 326-334.	14.0	55
46	Sustainable synthesis of CeO <sub>2</sub> /CdS-diethylenetriamine composites for enhanced photocatalytic hydrogen evolution under visible light. <i>Journal of Alloys and Compounds</i> , 2018, 758, 162-170.	5.5	54
47	Facile and green synthesis of novel porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> composite with enhanced visible light photocatalysis. <i>Ceramics International</i> , 2017, 43, 1522-1529.	4.8	52
48	Graphitic carbon nitride/antimonene van der Waals heterostructure with enhanced photocatalytic CO <sub>2</sub> reduction activity. <i>Journal of Materials Science and Technology</i> , 2022, 116, 192-198.	10.7	52
49	Band structure engineering design of g-C <sub>3</sub> N <sub>4</sub> /ZnS/SnS <sub>2</sub> ternary heterojunction visible-light photocatalyst with ZnS as electron transport buffer material. <i>Journal of Alloys and Compounds</i> , 2019, 778, 215-223.	5.5	49
50	Inorganic-organic hybrid photocatalysts: Syntheses, mechanisms, and applications. <i>Chinese Journal of Catalysis</i> , 2022, 43, 2111-2140.	14.0	49
51	Synthesis of micro-nano heterostructure AgBr/ZnO composite for advanced visible light photocatalysis. <i>Materials Letters</i> , 2014, 130, 5-8.	2.6	48
52	Facile preparation of two-dimensional Bi <sub>2</sub> MoO <sub>6</sub> @Ag <sub>2</sub> MoO <sub>4</sub> core-shell composite with enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2017, 729, 100-108.	5.5	46
53	Development of UV-LED/TiO <sub>2</sub> Device and Their Application for Photocatalytic Degradation of Methylene Blue. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 1035-1040.	2.5	45
54	Plasmonic TiO <sub>2</sub> /AgBr/Ag ternary composite nanosphere with heterojunction structure for advanced visible light photocatalyst. <i>Applied Surface Science</i> , 2014, 314, 864-871.	6.1	44

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55	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 166-173.	9.4	44
56	Controllable synthesis of inorganic-organic Zn <sub>1-x</sub> Cd <sub>x</sub> S-DETA solid solution nanoflowers and their enhanced visible-light photocatalytic hydrogen-production performance. <i>Dalton Transactions</i> , 2017, 46, 11335-11343.	3.3	43
57	Construction of organic-inorganic cadmium sulfide/diethylenetriamine hybrids for efficient photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 77-85.	9.4	42
58	Interface and defect engineer of titanium dioxide supported palladium or platinum for tuning the activity and selectivity of electrocatalytic nitrogen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 126-135.	9.4	42
59	Cd <sub>3</sub> (C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> ) <sub>2</sub> Polymer/Sn Schottky Heterojunction for Broadband-Solar Highly Selective Photocatalytic CO <sub>2</sub> Reduction. <i>Solar Rrl</i> , 2021, 5, 2100788.	5.8	41
60	Multi-walled carbon nanotube supported CdS-DETA nanocomposite for efficient visible light photocatalysis. <i>Materials Chemistry and Physics</i> , 2017, 186, 372-381.	4.0	39
61	Facile synthesis of a reduced graphene oxide/cobalt sulfide hybrid and its electrochemical capacitance performance. <i>RSC Advances</i> , 2014, 4, 29216-29222.	3.6	37
62	Facile synthesis of novel butterfly-like Ag <sub>2</sub> MoO <sub>4</sub> nanosheets for visible-light driven photocatalysis. <i>Materials Letters</i> , 2017, 196, 373-376.	2.6	37
63	Construction of defective Mo <sub>15</sub> S <sub>19</sub> /CdS-diethylenetriamine heterostructure photocatalyst for highly active and stable noble-metal-free photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2019, 469, 505-513.	6.1	37
64	Large scale and facile synthesis of novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /Ag <sub>3</sub> PO <sub>4</sub> composite for enhanced visible light photocatalyst. <i>Materials Letters</i> , 2016, 169, 250-253.	2.6	36
65	Diethylenetriamine-Functionalized CdS Nanoparticles Decorated on Cu <sub>2</sub> S Snowflake Microparticles for Photocatalytic Hydrogen Production. <i>ACS Applied Nano Materials</i> , 2020, 3, 11517-11526.	5.0	36
66	Structure and band gap tuning of transparent (Ba <sub>1-x</sub> Sr <sub>x</sub> )SnO <sub>3</sub> thin films epitaxially grown on MgO substrates. <i>Europhysics Letters</i> , 2012, 98, 47010.	2.0	35
67	Novel visible-light-driven direct Z-scheme Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> /Ag <sub>3</sub> PO <sub>4</sub> heterojunctions for enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019, 799, 113-123.	5.5	34
68	1D carbon nanofibers@TiO <sub>2</sub> core-shell nanocomposites with enhanced photocatalytic activity toward CO <sub>2</sub> reduction. <i>Journal of Alloys and Compounds</i> , 2018, 746, 168-176.	5.5	33
69	Fabrication of novel CoO/porous graphitic carbon nitride S-scheme heterojunction for efficient CO <sub>2</sub> photoreduction. <i>Materials Letters</i> , 2021, 282, 128722.	2.6	33
70	Construction of 1D/2D W <sub>18</sub> O <sub>49</sub> /Porous g-C <sub>3</sub> N <sub>4</sub> S-Scheme Heterojunction with Enhanced Photocatalytic H <sub>2</sub> Evolution. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2021, .	4.9	33
71	BaBi(SeO <sub>3</sub> ) <sub>2</sub> Cl: a new polar material showing high second-harmonic generation efficiency enhanced by constructive alignment of chloride ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12290-12296.	5.5	32
72	In Situ Preparation of Mn <sub>0.2</sub> Cd <sub>0.8</sub> S@Diethylenetriamine/Porous g-C <sub>3</sub> N <sub>4</sub> S-Scheme Heterojunction with Enhanced Photocatalytic Hydrogen Production. <i>Advanced Sustainable Systems</i> , 2023, 7, .	5.3	32

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73	Facile preparation of Bi <sub>2</sub> MoO <sub>6</sub> /multi-walled carbon nanotube nanocomposite for enhancing photocatalytic performance. <i>Materials Letters</i> , 2015, 160, 124-127.	2.6	31
74	Diethylenetriamine synergistic boosting photocatalytic performance with porous g-C <sub>3</sub> N <sub>4</sub> /CdS-diethylenetriamine 2D/2D S-scheme heterojunction. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158068.	5.5	31
75	Branch-like Cd Zn <sub>1-x</sub> Se/Cu <sub>2</sub> O@Cu step-scheme heterojunction for CO <sub>2</sub> photoreduction. <i>Materials Today Physics</i> , 2022, 26, 100729.	6.0	31
76	Syntheses, structures, and characterizations of a new second-order nonlinear optical material: Pb <sub>2</sub> (SeO <sub>3</sub> )(NO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 640, 39-44.	5.5	29
77	High-yield synthesis of carbon nanotube-porous nickel oxide nanosheet hybrid and its electrochemical capacitance performance. <i>Materials Chemistry and Physics</i> , 2014, 143, 1344-1351.	4.0	27
78	Cu/Ag/Ag <sub>3</sub> PO <sub>4</sub> ternary composite: A hybrid alloy-semiconductor heterojunction structure with visible light photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2016, 682, 778-784.	5.5	27
79	Carbon nanotube exfoliated porous reduced graphene oxide/CdS-diethylenetriamine heterojunction for efficient photocatalytic H <sub>2</sub> production. <i>Applied Surface Science</i> , 2020, 512, 144783.	6.1	26
80	Efficient solar-driven CO <sub>2</sub> reduction on aminated 2D/2D BiOBr/CdS-diethylenetriamine S-scheme heterojunction. <i>Ceramics International</i> , 2022, 48, 8423-8432.	4.8	25
81	Novel 2D SnNb <sub>2</sub> O <sub>6</sub> /Ag <sub>3</sub> VO <sub>4</sub> S-scheme heterojunction with enhanced visible-light photocatalytic activity. <i>Ceramics International</i> , 2021, 47, 7169-7176.	4.8	24
82	Facile and large scale synthesis of novel Cu <sub>2</sub> O octahedral crystals with efficient visible light photocatalytic activity. <i>Materials Letters</i> , 2015, 150, 48-51.	2.6	23
83	Large-scale synthesis of cobalt sulfide/carbon nanotube hybrid and its excellent electrochemical capacitance performance. <i>Materials Letters</i> , 2016, 176, 42-45.	2.6	21
84	Optical and transport properties of Gd doped BaSnO <sub>3</sub> epitaxial films. <i>Journal of Alloys and Compounds</i> , 2015, 647, 959-964.	5.5	20
85	Nitrogen-doped Graphene Chainmail Wrapped IrCo Alloy Particles on Nitrogen-doped Graphene Nanosheet for Highly Active and Stable Full Water Splitting. <i>ChemCatChem</i> , 2019, 11, 5457-5465.	3.7	20
86	Construction of fluorinated-TiO <sub>2</sub> nanosheets with exposed {001} facets/CdSe-DETA nanojunction for enhancing visible-light-driven photocatalytic H <sub>2</sub> evolution. <i>Ceramics International</i> , 2020, 46, 866-876.	4.8	19
87	A scalable synthesis technique of novel AgBr microcrystal and its visible light photocatalytic performance. <i>Materials Letters</i> , 2012, 87, 94-96.	2.6	18
88	Insight into the synergy of amine-modified S-scheme Cd <sub>0.5</sub> Zn <sub>0.5</sub> Se/porous g-C <sub>3</sub> N <sub>4</sub> and noble-metal-free Ni <sub>2</sub> P for boosting photocatalytic hydrogen generation. <i>Ceramics International</i> , 2021, 47, 13488-13499.	4.8	18
89	Ultrathin indium vanadate/cadmium selenide-amine step-scheme heterojunction with interfacial chemical bonding for promotion of visible-light-driven carbon dioxide reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1846-1856.	9.4	18
90	Noble-metal-free NiS decorated organic-inorganic hybrid Zn <sub>x</sub> Cd <sub>1-x</sub> Se-diethylenetriamine solid solution for hydrogen evolution. <i>Applied Surface Science</i> , 2020, 507, 145213.	6.1	17



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91	Controlled synthesis of novel 3D CdS hierarchical microtremella for photocatalytic H <sub>2</sub> production. <i>Materials Letters</i> , 2019, 235, 11-14.	2.6	16
92	Facile synthesis of novel octahedral Cu <sub>2</sub> O/Ag <sub>3</sub> PO <sub>4</sub> composite with enhanced visible light photocatalysis. <i>Materials Letters</i> , 2017, 206, 48-51.	2.6	15
93	Construction of direct Z-scheme WO <sub>3</sub> (H <sub>2</sub> O) <sub>0.333</sub> /BiOI heterostructure with enhanced visible light photocatalytic performance. <i>Materials Letters</i> , 2019, 245, 57-60.	2.6	15
94	Defect-mediated electron-hole separation in an inorganic-organic CdS <sub>x</sub> Se <sub>1-x</sub> DETA solid solution under amine molecule-assisted fabrication and microwave-assisted method for promoting photocatalytic H <sub>2</sub> evolution. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3550-3560.	4.9	15
95	Advance ternary surface-fluorinated TiO <sub>2</sub> nanosheet/Ag <sub>3</sub> PO <sub>4</sub> /Ag composite photocatalyst with planar heterojunction and island Ag electron capture center. <i>RSC Advances</i> , 2014, 4, 62751-62758.	3.6	13
96	A scalable synthesis technique of hierarchical BiOBr microspheres for advanced visible light photocatalyst. <i>Materials Letters</i> , 2014, 136, 438-440.	2.6	13
97	Green synthesis of monodispersed LaCO <sub>3</sub> OH microgears with novel plum blossom-like structure via a glycerol-mediated solvothermal method. <i>RSC Advances</i> , 2015, 5, 21925-21930.	3.6	13
98	Nitrogen-doped graphene/graphitic carbon nitride with enhanced charge separation and two-electron-transferring reaction activity for boosting photocatalytic hydrogen peroxide production. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1511-1520.	4.9	13
99	Heterostructure nanocomposite with local surface plasmon resonance effect enhanced photocatalytic activity—a critical review. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 043002.	2.8	13
100	Facile preparation and growth mechanism of zinc oxide nanopencils. <i>Materials Letters</i> , 2012, 67, 193-195.	2.6	12
101	A facile surfactant-free method to prepare Ti <sub>0.95</sub> Er <sub>0.05</sub> O <sub>2</sub> nanocrystal and its photocatalytic performance. <i>Catalysis Communications</i> , 2014, 43, 202-206.	3.3	9
102	A facile and novel approach for preparing monodispersed hollow aluminosilica microspheres with thin shell structures. <i>RSC Advances</i> , 2014, 4, 62209-62214.	3.6	8
103	Sb-Based antiferromagnetic oxychlorides: MSb <sub>2</sub> O <sub>3</sub> (OH)Cl (M = Mn, Fe, Co) with 2D spin-dimer structures. <i>Dalton Transactions</i> , 2016, 45, 18183-18189.	3.3	8
104	Easy and Large Scale Synthesis Silver Nanodendrites: Highly Effective Filler for Isotropic Conductive Adhesives. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 353-357.	2.5	7
105	Superhydrophilic zinc oxide film prepared by controlling ZnO microrods growth and its attractive recyclable photocatalytic performance. <i>Thin Solid Films</i> , 2013, 539, 23-28.	1.8	6
106	Composition dependence of structural and optical properties in epitaxial Sr(Sn <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> films. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 031101.	1.5	6
107	Fabrication of Ag <sub>2</sub> O/KNbO <sub>3</sub> heterojunction with high visible-light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5
108	Construction of TiO <sub>2</sub> nanosheets with exposed {001} facets/Zn <sub>0.2</sub> Cd <sub>0.8</sub> S-DETA heterostructure with enhanced visible light hydrogen production. <i>Applied Surface Science</i> , 2020, 516, 146141.	6.1	5

#	ARTICLE	IF	CITATIONS
109	Microwave-assisted synthesis of organic-inorganic hybrid porous g-C <sub>3</sub> N <sub>4</sub> /CdS-diethylenetriamine S-scheme heterojunctions with enhanced visible light hydrogen production. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 244001.	2.8	5
110	Natural nanomaterial as hard template for scalable synthesizing holey carbon naonsheet/nanotube with in-plane and out-of-plane pores for electrochemical energy storage. <i>Chinese Chemical Letters</i> , 2018, 29, 641-644.	9.0	4
111	Crystal structures and characterizations of two new selenite chlorides: 1D Ba <sub>2</sub> Zn(SeO <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> and 2D BaZn <sub>2</sub> (SeO <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , 2018, 265, 117-122.	2.9	4
112	Synthesis and crystal structure of a novel layered barium antimonate Ba <sub>2</sub> Sb <sub>7</sub> O <sub>13</sub> (OH) with mixed-valence antimony. <i>Solid State Sciences</i> , 2015, 44, 27-31.	3.2	3
113	Gold-Modified Mo <sub>2</sub> C Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes for Electrochemical Nitrogen Fixation. <i>ACS Applied Nano Materials</i> , 2022, 5, 7382-7391.	5.0	3
114	Anatase nanocrystals with {103} and {112} facets by hydrothermal transformation of titanate nanotubes. <i>Micro and Nano Letters</i> , 2011, 6, 675.	1.3	2
115	In-situ synthesis of Au decorated InP nanopore arrays for enhanced photoelectrochemical hydrogen production. <i>Journal of Alloys and Compounds</i> , 2019, 774, 610-617.	5.5	2
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117	Rectifying property and magnetoresistance of manganite-stannate junctions. <i>Solid State Communications</i> , 2013, 173, 30-33.	1.9	0
118	Mass Production and Reusable Photocatalytic Activity of ZnS Microspheres. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 204-208.	0.4	0