

# Yadong Meng

## List of Publications by Year in descending order

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212  
papers

10,653  
citations

30047

54  
h-index

45285

90  
g-index

213  
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213  
docs citations

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times ranked

10299  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ synthesis of direct solid-state Z-scheme V <sub>2</sub> O <sub>5</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions with enhanced visible light efficiency in photocatalytic degradation of pollutants. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 663-673.	10.8	620
2	Fabrication of nitrogen doped graphene quantum dots-BiOI/MnNb <sub>2</sub> O <sub>6</sub> p-n junction photocatalysts with enhanced visible light efficiency in photocatalytic degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 518-527.	10.8	286
3	Promoting visible-light-induced photocatalytic degradation of tetracycline by an efficient and stable beta-Bi <sub>2</sub> O <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> core/shell nanocomposite. <i>Chemical Engineering Journal</i> , 2018, 338, 137-146.	6.6	272
4	Fabrication of a Ag/Bi <sub>2</sub> WO <sub>6</sub> /TaO <sub>3</sub> Plasmonic Photocatalyst with Enhanced Photocatalytic Activity for Degradation of Tetracycline. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17061-17069.	4.0	251
5	NGQD active sites as effective collectors of charge carriers for improving the photocatalytic performance of Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunctions. <i>Catalysis Science and Technology</i> , 2018, 8, 622-631.	2.1	188
6	A Nitrogen Doping Method for CoS <sub>2</sub> Electrocatalysts with Enhanced Water Oxidation Performance. <i>ACS Catalysis</i> , 2017, 7, 4214-4220.	5.5	181
7	Self-templated transformation of MOFs into layered double hydroxide nanoarrays with selectively formed Co <sub>9</sub> S <sub>8</sub> for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 354, 716-726.	6.6	179
8	Hydrothermal Synthesis g-C <sub>3</sub> N <sub>4</sub> /Nano-InVO <sub>4</sub> Nanocomposites and Enhanced Photocatalytic Activity for Hydrogen Production under Visible Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18247-18256.	4.0	169
9	Synthesis and Characterization of Novel BiVO <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> Heterojunction with Enhanced Visible-Light-Driven Photocatalytic Degradation of Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 757-766.	3.2	169
10	MOF-derived hierarchical nanosheet arrays constructed by interconnected NiCo-alloy@NiCo-sulfide core-shell nanoparticles for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 370, 666-676.	6.6	158
11	Fabrication of a ternary plasmonic photocatalyst CQDs/Ag/Ag <sub>2</sub> O to harness charge flow for photocatalytic elimination of pollutants. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 134-144.	10.8	155
12	NiCo-layered double-hydroxide and carbon nanosheets microarray derived from MOFs for high performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 545-552.	5.0	145
13	In Situ Formation of Co <sub>9</sub> S <sub>8</sub> Quantum Dots in MOF-Derived Ternary Metal Layered Double Hydroxide Nanoarrays for High-Performance Hybrid Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 1903193.	10.2	138
14	Hexagonal prism-like hierarchical Co <sub>9</sub> S <sub>8</sub> @Ni(OH) <sub>2</sub> core-shell nanotubes on carbon fibers for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22782-22789.	5.2	133
15	Hydrothermal synthesis and visible-light-driven photocatalytic degradation for tetracycline of Mn-doped SrTiO <sub>3</sub> nanocubes. <i>Applied Surface Science</i> , 2015, 333, 39-47.	3.1	126
16	In-situ synthesis and enhanced photocatalytic activity of visible-light-driven plasmonic Ag/AgCl/NaTaO <sub>3</sub> nanocubes photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 228-234.	10.8	126
17	MOFs-derived Co <sub>9</sub> S <sub>8</sub> -embedded graphene/hollow carbon spheres film with macroporous frameworks for hybrid supercapacitors with superior volumetric energy density. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8503-8509.	5.2	125
18	In-situ approach to fabricate BiOI photocathode with oxygen vacancies: Understanding the N <sub>2</sub> reduced behavior in photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2019, 362, 349-356.	6.6	121

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19	A visible-light-driven heterojunction for enhanced photocatalytic water splitting over Ta <sub>2</sub> O <sub>5</sub> modified g-C <sub>3</sub> N <sub>4</sub> photocatalyst. International Journal of Hydrogen Energy, 2017, 42, 6738-6745.	3.8	120
20	Single cell electron collectors for highly efficient wiring-up electronic abiotic/biotic interfaces. Nature Communications, 2020, 11, 4087.	5.8	114
21	Efficient Electrocatalytic Oxidation of 5-Hydroxymethylfurfural Coupled with 4-Nitrophenol Hydrogenation in a Water System. ACS Catalysis, 2022, 12, 1545-1557.	5.5	113
22	Construction of nitrogen-doped graphene quantum dots-BiVO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> /Z-scheme photocatalyst and enhanced photocatalytic degradation of antibiotics under visible light. RSC Advances, 2016, 6, 61162-61174.	1.7	110
23	The fabrication of a novel Ag <sub>3</sub> VO <sub>4</sub> /WO <sub>3</sub> heterojunction with enhanced visible light efficiency in the photocatalytic degradation of TC. Physical Chemistry Chemical Physics, 2016, 18, 3308-3315.	1.3	110
24	Fabrication of TiO <sub>2</sub> /RGO/Cu <sub>2</sub> O heterostructure for photoelectrochemical hydrogen production. Applied Catalysis B: Environmental, 2016, 181, 7-15.	10.8	109
25	Molecularly Imprinted Fluorescent Test Strip for Direct, Rapid, and Visual Dopamine Detection in Tiny Amount of Biofluid. Small, 2019, 15, e1803913.	5.2	103
26	Enhanced Recyclability, Stability, and Selectivity of CdS/C@Fe <sub>3</sub> O <sub>4</sub> Nanoreactors for Orientation Photodegradation of Ciprofloxacin. Chemistry - A European Journal, 2015, 21, 18528-18533.	1.7	100
27	Low Temperature CO <sub>2</sub> Reforming with Methane Reaction over CeO <sub>2</sub> -Modified Ni@SiO <sub>2</sub> Catalysts. ACS Applied Materials & Interfaces, 2020, 12, 35022-35034.	4.0	99
28	An in situ photoelectroreduction approach to fabricate Bi/BiOCl heterostructure photocathodes: understanding the role of Bi metal for solar water splitting. Journal of Materials Chemistry A, 2017, 5, 4894-4903.	5.2	96
29	3D CNTs/graphene network conductive substrate supported MOFs-derived CoZnNiS nanosheet arrays for ultra-high volumetric/gravimetric energy density hybrid supercapacitor. Journal of Colloid and Interface Science, 2021, 583, 288-298.	5.0	96
30	Rational synthesis of ultrathin graphitic carbon nitride nanosheets for efficient photocatalytic hydrogen evolution. Carbon, 2017, 121, 463-471.	5.4	94
31	Precisely tunable thickness of graphitic carbon nitride nanosheets for visible-light-driven photocatalytic hydrogen evolution. Nanoscale, 2017, 9, 14103-14110.	2.8	91
32	Organic Additives-Free Hydrothermal Synthesis and Visible-Light-Driven Photodegradation of Tetracycline of WO <sub>3</sub> Nanosheets. Industrial & Engineering Chemistry Research, 2014, 53, 5443-5450.	1.8	86
33	Design of mesoporous silica hybrid materials as sorbents for the selective recovery of rare earth metals. Journal of Materials Chemistry A, 2015, 3, 10327-10335.	5.2	83
34	Highly efficient visible-light-driven photocatalytic degradation of tetracycline by a Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> TaO <sub>7</sub> nanocomposite photocatalyst. Dalton Transactions, 2017, 46, 8431-8438.	1.6	82
35	One-Step Nickel Foam Assisted Synthesis of Holey G-Carbon Nitride Nanosheets for Efficient Visible-Light Photocatalytic H <sub>2</sub> Evolution. ACS Applied Materials & Interfaces, 2018, 10, 20521-20529.	4.0	81
36	In-situ anchoring Ag through organic polymer for configuring efficient plasmonic BiVO <sub>4</sub> photoanode. Chemical Engineering Journal, 2019, 358, 658-665.	6.6	81

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37	Specific oriented recognition of a new stable ICTX@Mfa with retrievability for selective photocatalytic degrading of ciprofloxacin. <i>Catalysis Science and Technology</i> , 2016, 6, 1367-1377.	2.1	79
38	Enhanced photocatalytic degradation of tetracycline antibiotics by reduced graphene oxide@CdS/ZnS heterostructure photocatalysts. <i>New Journal of Chemistry</i> , 2015, 39, 5150-5160.	1.4	77
39	MOF-derived Co <sub>3</sub> O <sub>4</sub> thin film decorated BiVO <sub>4</sub> for enhancement of photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2019, 491, 497-504.	3.1	77
40	Effect of Calcination Temperature on the Performance of the Ni@SiO <sub>2</sub> Catalyst in Methane Dry Reforming. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13370-13379.	1.8	76
41	Organic-inorganic hybrid-photoanode built from NiFe-MOF and TiO <sub>2</sub> for efficient PEC water splitting. <i>Electrochimica Acta</i> , 2020, 349, 136383.	2.6	72
42	Ag-Decorated ATaO <sub>3</sub> (A = K, Na) Nanocube Plasmonic Photocatalysts with Enhanced Photocatalytic Water-Splitting Properties. <i>Langmuir</i> , 2015, 31, 9694-9699.	1.6	71
43	Core-shell structured ZnCo <sub>2</sub> O <sub>4</sub> @ZnWO <sub>4</sub> nanowire arrays on nickel foam for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 64-73.	5.0	71
44	Nitrogen doped NiS <sub>2</sub> nanoarrays with enhanced electrocatalytic activity for water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17811-17816.	5.2	69
45	Ni/SiO <sub>2</sub> Catalyst Prepared by Strong Electrostatic Adsorption for a Low-Temperature Methane Dry Reforming Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 3324-3333.	1.8	67
46	A novel hollow capsule-like recyclable functional ZnO/C/Fe <sub>3</sub> O <sub>4</sub> endowed with three-dimensional oriented recognition ability for selectively photodegrading danofloxacin mesylate. <i>Catalysis Science and Technology</i> , 2016, 6, 6513-6524.	2.1	65
47	Hydrothermal synthesis of g-C <sub>3</sub> N <sub>4</sub> /CdWO <sub>4</sub> nanocomposite and enhanced photocatalytic activity for tetracycline degradation under visible light. <i>CrystEngComm</i> , 2016, 18, 6453-6463.	1.3	64
48	Visible-light-driven high photocatalytic activities of Cu/g-C <sub>3</sub> N <sub>4</sub> photocatalysts for hydrogen production. <i>RSC Advances</i> , 2016, 6, 34633-34640.	1.7	64
49	Construction of hierarchical FeCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanostructures on carbon fibers for high-performance asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 419-427.	5.0	64
50	Thermally stable Ir/Ce <sub>0.9</sub> La <sub>0.1</sub> O <sub>2</sub> catalyst for high temperature methane dry reforming reaction. <i>Nano Research</i> , 2017, 10, 364-380.	5.8	61
51	Hydrogen peroxide sensing using Cu <sub>2</sub> O nanocubes decorated by Ag-Au alloy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 690, 1-7.	2.8	60
52	Fabrication and mechanism of a novel direct solid-state Z-scheme photocatalyst CdS/BiOI under visible light. <i>CrystEngComm</i> , 2016, 18, 7796-7804.	1.3	59
53	Fabrication of MgFe <sub>2</sub> O <sub>4</sub> /MoS <sub>2</sub> Heterostructure Nanowires for Photoelectrochemical Catalysis. <i>Langmuir</i> , 2016, 32, 1629-1636.	1.6	59
54	Hierarchical MoS <sub>2</sub> nanoflowers on carbon cloth as an efficient cathode electrode for hydrogen evolution under all pH values. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11038-11046.	3.8	59

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55	OD/2D Z-scheme heterojunctions of Zn-AgIn <sub>5</sub> S <sub>8</sub> QDs/Fe <sub>2</sub> O <sub>3</sub> nanosheets for efficient visible-light-driven hydrogen production. Chemical Engineering Journal, 2021, 417, 128275.	6.6	57
56	Carbon nanotubes interpenetrating MOFs-derived Co-Ni-S composite spheres with interconnected architecture for high performance hybrid supercapacitor. Journal of Colloid and Interface Science, 2021, 602, 627-635.	5.0	57
57	A Whole-Cell Inorganic-Biohybrid System Integrated by Reduced Graphene Oxide for Boosting Solar Hydrogen Production. ACS Catalysis, 2020, 10, 13290-13295.	5.5	56
58	The Formation of Ti <sup>IV</sup> -H Species at Interface Is Lethal to the Efficiency of TiO <sub>2</sub> -Based Dye-Sensitized Devices. Journal of the American Chemical Society, 2017, 139, 2083-2089.	6.6	55
59	MOF-derived Co <sub>9</sub> S <sub>8</sub> polyhedrons on NiCo <sub>2</sub> S <sub>4</sub> nanowires for high-performance hybrid supercapacitors. Inorganic Chemistry Frontiers, 2020, 7, 4092-4100.	3.0	55
60	Semiconductors with NIR driven upconversion performance for photocatalysis and photoelectrochemical water splitting. CrystEngComm, 2014, 16, 3059.	1.3	54
61	Surface imprinting of a g-C <sub>3</sub> N <sub>4</sub> photocatalyst for enhanced photocatalytic activity and selectivity towards photodegradation of 2-mercaptobenzothiazole. RSC Advances, 2015, 5, 40726-40736.	1.7	54
62	Interfacial Engineering of the Co <sub>2</sub> P-Fe <sub>2</sub> P Heterostructure for Efficient and Robust Electrochemical Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2021, 9, 7737-7748.	3.2	54
63	Facile synthesis of CdS/Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> photocatalysts with enhanced visible-light photocatalytic activity for degradation of organic pollutants in water. Dalton Transactions, 2017, 46, 12675-12682.	1.6	53
64	CdIn <sub>2</sub> S <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalysts: enhanced photocatalytic performance and charge transfer mechanism. RSC Advances, 2017, 7, 231-237.	1.7	52
65	Full synergistic effect of hydrothermal NiCo <sub>2</sub> O <sub>4</sub> nanosheets/CuCo <sub>2</sub> O <sub>4</sub> nanocones supported on Ni foam for high-performance asymmetric supercapacitors. Journal of Solid State Chemistry, 2018, 262, 327-334.	1.4	51
66	Photosensitive polymer and semiconductors bridged by Au plasmon for photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2016, 195, 9-15.	10.8	49
67	Oxygen vacancy engineering of BiOBr/HNb <sub>3</sub> O <sub>8</sub> Z-scheme hybrid photocatalyst for boosting photocatalytic conversion of CO <sub>2</sub> . Journal of Colloid and Interface Science, 2021, 599, 245-254.	5.0	49
68	Formation of uniform nitrogen-doped C/Ni/TiO <sub>2</sub> hollow spindles toward long cycle life lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 8983-8988.	5.2	48
69	Graphene-Sensitized Perovskite Oxide Monolayer Nanosheets for Efficient Photocatalytic Reaction. Advanced Functional Materials, 2018, 28, 1806284.	7.8	48
70	Ball-Milling Induced Debonding of Surface Atoms from Metal Bulk for Construing High-Performance Dual-Site Single-Atom Catalysts. Angewandte Chemie - International Edition, 2021, 60, 23154-23158.	7.2	48
71	Microwave-assisted synthesis of monoclinic-tetragonal BiVO <sub>4</sub> heterojunctions with enhanced visible-light-driven photocatalytic degradation of tetracycline. RSC Advances, 2015, 5, 90255-90264.	1.7	47
72	MOF-derived 3D hierarchical nanoarrays consisting of NiCoZn-S nanosheets coupled with granular NiCo <sub>2</sub> S <sub>4</sub> nanowires for high-performance hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 26131-26138.	5.2	47

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73	A Periplasmic Photosensitized Biohybrid System for Solar Hydrogen Production. <i>Advanced Energy Materials</i> , 2021, 11, 2100256.	10.2	47
74	High-performance supercapacitor based on highly active P-doped one-dimension/two-dimension hierarchical NiCo <sub>2</sub> O <sub>4</sub> /NiMoO <sub>4</sub> for efficient energy storage. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 793-802.	5.0	47
75	Preparation and performance of a novel magnetic conductive imprinted photocatalyst for selective photodegradation of antibiotic solution. <i>RSC Advances</i> , 2013, 3, 18373.	1.7	46
76	Acid- $\gamma$ -chromic chloride functionalized natural clay-particles for enhanced conversion of one-pot cellulose to 5-hydroxymethylfurfural in ionic liquids. <i>RSC Advances</i> , 2014, 4, 11664.	1.7	46
77	Solvothermal synthesis and visible light-driven photocatalytic degradation for tetracycline of Fe-doped SrTiO <sub>3</sub> . <i>RSC Advances</i> , 2014, 4, 47615-47624.	1.7	45
78	The highly improved visible light photocatalytic activity of BiOI through fabricating a novel p-n heterojunction BiOI/WO <sub>3</sub> nanocomposite. <i>CrystEngComm</i> , 2016, 18, 1790-1799.	1.3	45
79	Fabrication of 0D/2D Carbon Nitride Quantum Dots/SnNb <sub>2</sub> O <sub>6</sub> Ultrathin Nanosheets with Enhanced Photocatalytic Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14332-14339.	3.2	45
80	Fabrication of novel Z-scheme InVO <sub>4</sub> /CdS heterojunctions with efficiently enhanced visible light photocatalytic activity. <i>CrystEngComm</i> , 2017, 19, 982-993.	1.3	44
81	Self-supported hierarchical core-shell Co <sub>9</sub> S <sub>8</sub> @NiCo <sub>2</sub> O <sub>4</sub> hollow nanoneedle arrays for asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 982-987.	3.0	44
82	Ex-situ flame co-doping of tin and tungsten ions in TiO <sub>2</sub> nanorod arrays for synergistic promotion of solar water splitting. <i>Chemical Engineering Science</i> , 2020, 226, 115843.	1.9	44
83	InVO <sub>4</sub> microspheres: Preparation, characterization and visible-light-driven photocatalytic activities. <i>Chemical Engineering Journal</i> , 2012, 200-202, 310-316.	6.6	43
84	A NIR-Responsive Phytic Acid Nickel Biomimetic Complex Anchored on Carbon Nitride for Highly Efficient Solar Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5245-5249.	7.2	43
85	ZIF-8 derived ZnO/TiO <sub>2</sub> heterostructure with rich oxygen vacancies for promoting photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 120-130.	5.0	42
86	Effective bandgap narrowing of Cu-In-Zn-S quantum dots for photocatalytic H <sub>2</sub> production via cocatalyst-alleviated charge recombination. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 258-265.	3.0	41
87	Conjugated Microporous Polymers with Bipolar and Double Redox-Active Centers for High-Performance Dual-Ion, Organic Symmetric Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2100381.	10.2	41
88	Fabrication of a visible-light-driven photocatalyst and degradation of tetracycline based on the photoinduced interfacial charge transfer of SrTiO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> nanowires. <i>New Journal of Chemistry</i> , 2016, 40, 5198-5208.	1.4	40
89	Inhomogeneous distribution of platinum and ionomer in the porous cathode to maximize the performance of a PEM fuel cell. <i>AIChE Journal</i> , 2017, 63, 4895-4910.	1.8	40
90	2D-2D SnS <sub>2</sub> /Covalent Organic Framework Heterojunction Photocatalysts for Highly Enhanced Solar-Driven Hydrogen Evolution without Cocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14238-14248.	3.2	40

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91	Dual-Site Single-Atom Catalysts with High Performance for Three-Way Catalysis. <i>Advanced Materials</i> , 2022, 34, e2201859.	11.1	39
92	Alloying Ni-Cu Nanoparticles Encapsulated in SiO <sub>2</sub> Nanospheres for Synergistic Catalysts in CO <sub>2</sub> Reforming with Methane Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23487-23495.	4.0	39
93	Selective photodegradation of 2-mercaptobenzothiazole by a novel imprinted CoFe <sub>2</sub> O <sub>4</sub> /MWCNTs photocatalyst. <i>RSC Advances</i> , 2015, 5, 47820-47829.	1.7	38
94	Heteropolyacid-chitosan/TiO <sub>2</sub> composites for the degradation of tetracycline hydrochloride solution. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 111, 347-360.	0.8	37
95	Excellent visible-light-driven photocatalytic performance of Cu <sub>2</sub> O sensitized NaNbO <sub>3</sub> heterostructures. <i>New Journal of Chemistry</i> , 2015, 39, 6171-6177.	1.4	36
96	Facile synthesis of microcellular foam catalysts with adjustable hierarchical porous structure, acid-base strength and wettability for biomass energy conversion. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13507-13518.	5.2	36
97	Mechanism study on the photocatalytic efficiency enhancement of MoS <sub>2</sub> modified ZnAgIn <sub>5</sub> S <sub>8</sub> quantum dots. <i>RSC Advances</i> , 2016, 6, 99023-99033.	1.7	36
98	Fabrication of Au@CdS/RGO/TiO <sub>2</sub> heterostructure for photoelectrochemical hydrogen production. <i>New Journal of Chemistry</i> , 2016, 40, 2287-2295.	1.4	36
99	Hydrothermal synthesis of porous rh-In <sub>2</sub> O <sub>3</sub> nanostructures with visible-light-driven photocatalytic degradation of tetracycline. <i>CrystEngComm</i> , 2015, 17, 2336-2345.	1.3	35
100	Boosting Water Splitting Performance of BiVO <sub>4</sub> Photoanode through Selective Surface Decoration of Ag <sub>2</sub> S. <i>ChemCatChem</i> , 2018, 10, 4927-4933.	1.8	35
101	Amorphous MnCO <sub>3</sub> /C Double Layers Decorated on BiVO <sub>4</sub> Photoelectrodes to Boost Nitrogen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52763-52770.	4.0	35
102	Ag-Pi/BiVO <sub>4</sub> heterojunction with efficient interface carrier transport for photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 619-627.	5.0	35
103	Understanding the Z-scheme heterojunction of BiVO <sub>4</sub> /PANI for photoelectrochemical nitrogen reduction. <i>Chemical Communications</i> , 2021, 57, 10568-10571.	2.2	35
104	Fabrication and excellent visible-light-driven photodegradation activity for antibiotics of SrTiO <sub>3</sub> nanocube coated CdS microsphere heterojunctions. <i>RSC Advances</i> , 2016, 6, 19878-19886.	1.7	34
105	Construction and enhanced photocatalytic activities of a hydrogenated TiO <sub>2</sub> nanobelt coated with CDs/MoS <sub>2</sub> nanosheets. <i>RSC Advances</i> , 2017, 7, 8429-8442.	1.7	34
106	Flexible yolk-shelled NiCo <sub>2</sub> S <sub>4</sub> hollow spheres/RGO film electrodes for efficient supercapacitive energy storage. <i>New Journal of Chemistry</i> , 2018, 42, 16174-16182.	1.4	34
107	Biothiol-Functionalized Cuprous Oxide Sensor for Dual-Mode Sensitive Hg <sup>2+</sup> Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46980-46989.	4.0	34
108	A Hierarchical Porous Bowl-like PLA@MSNs-COOH Composite for pH-Dominated Long-Term Controlled Release of Doxorubicin and Integrated Nanoparticle for Potential Second Treatment. <i>Biomacromolecules</i> , 2015, 16, 1131-1145.	2.6	33

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109	A facile and scalable route for synthesizing ultrathin carbon nitride nanosheets with efficient solar hydrogen evolution. Carbon, 2018, 136, 160-167.	5.4	33
110	Reasonable regulation of kinetics over BiVO <sub>4</sub> photoanode by Fe-CoP catalysts for boosting photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2019, 44, 28184-28193.	3.8	33
111	Enhanced photoelectrochemical water oxidation performance of a hematite photoanode by decorating with Au-Pt core-shell nanoparticles. Dalton Transactions, 2017, 46, 16050-16057.	1.6	32
112	Flame Reduced TiO <sub>2</sub> Nanorod Arrays with Ag Nanoparticle Decoration for Efficient Solar Water Splitting. Industrial & Engineering Chemistry Research, 2019, 58, 4818-4827.	1.8	32
113	In-situ generated NiCo <sub>2</sub> O <sub>4</sub> /CoP polyhedron with rich oxygen vacancies interpenetrating by P-doped carbon nanotubes for high performance supercapacitors. Journal of Colloid and Interface Science, 2022, 608, 2246-2256.	5.0	32
114	The synthesis of a novel Ag-NaTaO <sub>3</sub> hybrid with plasmonic photocatalytic activity under visible-light. CrystEngComm, 2014, 16, 1384.	1.3	31
115	Enhanced visible-light-driven photocatalytic degradation of tetracycline by Cr <sup>3+</sup> doping SrTiO <sub>3</sub> cubic nanoparticles. RSC Advances, 2015, 5, 21290-21296.	1.7	30
116	Efficient OD/2D Heterostructured Photocatalysts with Zn-AgIn <sub>5</sub> S <sub>8</sub> Quantum Dots Embedded in Ultrathin NiS Nanosheets for Hydrogen Production. Industrial & Engineering Chemistry Research, 2020, 59, 16249-16257.	1.8	30
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