

# Bei Cheng

## List of Publications by Year in descending order

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387  
papers

102,284  
citations

113

163  
h-index

208

311  
g-index

394  
all docs

394  
docs citations

394  
times ranked

43376  
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO <sub>2</sub> /In <sub>2</sub> S <sub>3</sub> S-scheme photocatalyst with enhanced H <sub>2</sub> O <sub>2</sub> -production activity. Nano Research, 2023, 16, 4506-4514.	5.8	85
2	C <sub>3</sub> N <sub>4</sub> /PDA S-scheme Heterojunction with Enhanced Photocatalytic H <sub>2</sub> O <sub>2</sub> Production Performance and Its Mechanism. Advanced Sustainable Systems, 2023, 7, .	2.7	47
3	Sulfide-Based Nickel-Plated Fabrics for Foldable Quasi-Solid-State Supercapacitors. Energy and Environmental Materials, 2022, 5, 883-891.	7.3	19
4	BiOBr/NiO S-scheme Heterojunction Photocatalyst for CO <sub>2</sub> Photoreduction. Solar Rrl, 2022, 6, 2100587.	3.1	96
5	EPR Investigation on Electron Transfer of 2D/3D g-C <sub>3</sub> N <sub>4</sub> /ZnO S-scheme Heterojunction for Enhanced CO <sub>2</sub> Photoreduction. Advanced Sustainable Systems, 2022, 6, 2100264.	2.7	112
6	Inorganic Metal-Oxide Photocatalyst for H <sub>2</sub> O <sub>2</sub> Production. Small, 2022, 18, e2104561.	5.2	152
7	Optimizing Atomic Hydrogen Desorption of Sulfur-Rich NiS <sub>1+x</sub> Cocatalyst for Boosting Photocatalytic H <sub>2</sub> Evolution. Advanced Materials, 2022, 34, e2108475.	11.1	156
8	Metal-organic framework with atomically dispersed Ni-N <sub>4</sub> sites for greatly-raised visible-light photocatalytic H <sub>2</sub> production. Chemical Engineering Journal, 2022, 431, 133944.	6.6	20
9	Synthesis of MgNiCo LDH hollow structure derived from ZIF-67 as superb adsorbent for Congo red. Journal of Colloid and Interface Science, 2022, 612, 598-607.	5.0	83
10	Solar fuel generation over nature-inspired recyclable TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> S-scheme hierarchical thin-film photocatalyst. Journal of Materials Science and Technology, 2022, 112, 1-10.	5.6	101
11	Emerging S-scheme Photocatalyst. Advanced Materials, 2022, 34, e2107668.	11.1	717
12	Sandwich-Shell Structured CoMn <sub>2</sub> O <sub>4</sub> /C Hollow Nanospheres for Performance-Enhanced Sodium-Ion Hybrid Supercapacitor. Advanced Energy Materials, 2022, 12, .	10.2	101
13	Modulating the Electronic Metal-Support Interactions in Single-Atom Pt <sub>1</sub> -CuO Catalyst for Boosting Acetone Oxidation. Angewandte Chemie, 2022, 134, .	1.6	4
14	Step-by-Step Mechanism Insights into the TiO <sub>2</sub> /Ce <sub>2</sub> S <sub>3</sub> S-Scheme Photocatalyst for Enhanced Aniline Production with Water as a Proton Source. ACS Catalysis, 2022, 12, 164-172.	5.5	117
15	A Comparative Study of Cobalt Chalcogenides as the Electrode Materials on Lithium-Sulfur Battery Performance. Small Methods, 2022, 6, e2101269.	4.6	14
16	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Room-Temperature Formaldehyde Oxidation. Advanced Functional Materials, 2022, 32, .	7.8	37
17	Non-Noble Plasmonic Metal-Based Photocatalysts. Chemical Reviews, 2022, 122, 10484-10537.	23.0	268
18	Promoting intramolecular charge transfer of graphitic carbon nitride by donor-acceptor modulation for visible-light photocatalytic H <sub>2</sub> evolution. , 2022, 1, 294-308.		92

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19	Designing a Redox Heterojunction for Photocatalytic "Overall Nitrogen Fixation" under Mild Conditions. <i>Advanced Materials</i> , 2022, 34, e2200563.	11.1	71
20	Dynamics of Photogenerated Charge Carriers in Inorganic/Organic S-Scheme Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4695-4700.	2.1	62
21	Graphene oxide-based modified electrodes for high-performance supercapacitors. , 2022, , 239-266.		0
22	Graphene oxide-based photocatalysts for CO <sub>2</sub> reduction. , 2022, , 93-134.		0
23	Graphene oxide-based photocatalysts for H <sub>2</sub> production. , 2022, , 65-92.		1
24	H <sub>2</sub> O molecule adsorption on s-triazine-based g-C <sub>3</sub> N <sub>4</sub> . <i>Chinese Journal of Catalysis</i> , 2021, 42, 115-122.	6.9	42
25	Zn CdS quantum dot with enhanced photocatalytic H <sub>2</sub> -production performance. <i>Chinese Journal of Catalysis</i> , 2021, 42, 15-24.	6.9	79
26	Sulfur-doped g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> S-scheme heterojunction photocatalyst for Congo Red photodegradation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 56-68.	6.9	493
27	Review on nickel-based adsorption materials for Congo red. <i>Journal of Hazardous Materials</i> , 2021, 403, 123559.	6.5	148
28	S-scheme heterojunction based on p-type ZnMn <sub>2</sub> O <sub>4</sub> and n-type ZnO with improved photocatalytic CO <sub>2</sub> reduction activity. <i>Chemical Engineering Journal</i> , 2021, 409, 127377.	6.6	269
29	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 637-645.	5.0	156
30	Design of highly-active photocatalytic materials for solar fuel production. <i>Chemical Engineering Journal</i> , 2021, 421, 127732.	6.6	27
31	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. <i>Journal of Materials Science and Technology</i> , 2021, 78, 100-109.	5.6	13
32	One-Step Realization of Crystallization and Cyano-Group Generation for g-C <sub>3</sub> N <sub>4</sub> Photocatalysts with Improved H <sub>2</sub> Production. <i>Solar Rrl</i> , 2021, 5, 2000372.	3.1	91
33	Electrospun TiO <sub>2</sub> -Based Photocatalysts. <i>Solar Rrl</i> , 2021, 5, 2000571.	3.1	46
34	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. <i>Advanced Materials</i> , 2021, 33, e2003521.	11.1	324
35	Near-Infrared-Responsive Photocatalysts. <i>Small Methods</i> , 2021, 5, e2001042.	4.6	84
36	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. <i>EnergyChem</i> , 2021, 3, 100051.	10.1	87

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37	Triethylamine gas sensor based on Pt-functionalized hierarchical ZnO microspheres. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129425.	4.0	174
38	In Situ Synthesis of Mo <sub>2</sub> C Nanoparticles on Graphene Nanosheets for Enhanced Photocatalytic H <sub>2</sub> -Production Activity of TiO <sub>2</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3828-3837.	3.2	56
39	An Inorganic/Organic S-scheme Heterojunction H <sub>2</sub> -Production Photocatalyst and its Charge Transfer Mechanism. <i>Advanced Materials</i> , 2021, 33, e2100317.	11.1	528
40	Enhanced photocatalytic activity and mechanism of CeO <sub>2</sub> hollow spheres for tetracycline degradation. <i>Rare Metals</i> , 2021, 40, 2369-2380.	3.6	44
41	A 3D Hierarchical Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /TiO <sub>2</sub> Heterojunction for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>ChemNanoMat</i> , 2021, 7, 910-915.	1.5	14
42	In-situ growth of few-layer graphene on ZnO with intimate interfacial contact for enhanced photocatalytic CO <sub>2</sub> reduction activity. <i>Chemical Engineering Journal</i> , 2021, 411, 128501.	6.6	99
43	A high-response formaldehyde sensor based on fibrous Ag-ZnO/In <sub>2</sub> O <sub>3</sub> with multi-level heterojunctions. <i>Journal of Hazardous Materials</i> , 2021, 413, 125352.	6.5	97
44	OD/2D NiS/CdS nanocomposite heterojunction photocatalyst with enhanced photocatalytic H <sub>2</sub> evolution activity. <i>Applied Surface Science</i> , 2021, 554, 149622.	3.1	48
45	Influence of calcination temperature on photocatalytic H <sub>2</sub> O <sub>2</sub> productivity of hierarchical porous ZnO microspheres. <i>Nanotechnology</i> , 2021, 32, 415402.	1.3	10
46	Enhancement in the photocatalytic H <sub>2</sub> production activity of CdS NRs by Ag <sub>2</sub> S and NiS dual cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119994.	10.8	189
47	Sustained CO <sub>2</sub> -photoreduction activity and high selectivity over Mn, C-codoped ZnO core-triple shell hollow spheres. <i>Nature Communications</i> , 2021, 12, 4936.	5.8	159
48	Tuning the strength of built-in electric field in 2D/2D g-C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> and g-C <sub>3</sub> N <sub>4</sub> /ZrS <sub>2</sub> S-scheme heterojunctions by nonmetal doping. <i>Journal of Materiomics</i> , 2021, 7, 988-997.	2.8	77
49	g-C <sub>3</sub> N <sub>4</sub> -Based 2D/2D Composite Heterojunction Photocatalyst. <i>Small Structures</i> , 2021, 2, 2100086.	6.9	127
50	In situ Irradiated XPS Investigation on S-scheme TiO <sub>2</sub> @ZnIn <sub>2</sub> S <sub>4</sub> Photocatalyst for Efficient Photocatalytic CO <sub>2</sub> Reduction. <i>Small</i> , 2021, 17, e2103447.	5.2	449
51	CsPbBr <sub>3</sub> Nanocrystal Induced Bilateral Interface Modification for Efficient Planar Perovskite Solar Cells. <i>Advanced Science</i> , 2021, 8, e2102648.	5.6	92
52	Potassium/oxygen co-doped polymeric carbon nitride for enhanced photocatalytic CO <sub>2</sub> reduction. <i>Applied Surface Science</i> , 2021, 563, 150310.	3.1	18
53	OD/2D CdS/ZnO composite with n-n heterojunction for efficient detection of triethylamine. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 898-909.	5.0	44
54	Enhanced performance of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells by excess halide modification. <i>Applied Surface Science</i> , 2021, 564, 150464.	3.1	18

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55	Selective modification of ultra-thin g-C <sub>3</sub> N <sub>4</sub> nanosheets on the (110) facet of Au/BiVO <sub>4</sub> for boosting photocatalytic H <sub>2</sub> O <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120414.	10.8	63
56	Photocatalytic H <sub>2</sub> Evolution Coupled with Furfuralcohol Oxidation over Pt-Modified ZnCdS Solid Solution. <i>Small Methods</i> , 2021, 5, e2100979.	4.6	79
57	Core-Shell Structured C@SiO <sub>2</sub> Hollow Spheres Decorated with Nickel Nanoparticles as Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2021, 17, e2103673.	5.2	43
58	Hierarchically Porous ZnO/g-C <sub>3</sub> N <sub>4</sub> S-Scheme Heterojunction Photocatalyst for Efficient H <sub>2</sub> O <sub>2</sub> Production. <i>Langmuir</i> , 2021, 37, 14114-14124.	1.6	165
59	In Situ Transformation of Prussian-Blue Analogue-Derived Bimetallic Carbide Nanocubes by Water Oxidation: Applications for Energy Storage and Conversion. <i>Chemistry - A European Journal</i> , 2020, 26, 4052-4062.	1.7	23
60	Product selectivity of photocatalytic CO <sub>2</sub> reduction reactions. <i>Materials Today</i> , 2020, 32, 222-243.	8.3	719
61	Enhanced photocatalytic H <sub>2</sub> -production activity of WO <sub>3</sub> /TiO <sub>2</sub> step-scheme heterojunction by graphene modification. <i>Chinese Journal of Catalysis</i> , 2020, 41, 9-20.	6.9	458
62	ZIF-67 derived nickel cobalt sulfide hollow cages for high-performance supercapacitors. <i>Applied Surface Science</i> , 2020, 504, 144501.	3.1	107
63	Near-infrared absorbing 2D/3D ZnIn <sub>2</sub> S <sub>4</sub> /N-doped graphene photocatalyst for highly efficient CO <sub>2</sub> capture and photocatalytic reduction. <i>Science China Materials</i> , 2020, 63, 552-565.	3.5	159
64	Hierarchical NiMn <sub>2</sub> O <sub>4</sub> /rGO composite nanosheets decorated with Pt for low-temperature formaldehyde oxidation. <i>Environmental Science: Nano</i> , 2020, 7, 198-209.	2.2	40
65	Cobalt polyoxometalate on N-doped carbon layer to boost photoelectrochemical water oxidation of BiVO <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2020, 392, 123744.	6.6	57
66	Nanocages of Polymeric Carbon Nitride from Low-Temperature Supramolecular Preorganization for Photocatalytic CO <sub>2</sub> Reduction. <i>Solar Rrl</i> , 2020, 4, 1900469.	3.1	38
67	Graphene-Zn <sub>0.5</sub> Cd <sub>0.5</sub> S nanocomposite with enhanced visible-light photocatalytic CO <sub>2</sub> reduction activity. <i>Applied Surface Science</i> , 2020, 506, 144683.	3.1	48
68	Curved Surface Boosts Electrochemical CO <sub>2</sub> Reduction to Formate via Bismuth Nanotubes in a Wide Potential Window. <i>ACS Catalysis</i> , 2020, 10, 358-364.	5.5	206
69	Holey Graphene for Electrochemical Energy Storage. <i>Cell Reports Physical Science</i> , 2020, 1, 100215.	2.8	58
70	Graphene-Based Materials in Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000502.	3.1	36
71	Unique S-scheme heterojunctions in self-assembled TiO <sub>2</sub> /CsPbBr <sub>3</sub> hybrids for CO <sub>2</sub> photoreduction. <i>Nature Communications</i> , 2020, 11, 4613.	5.8	776
72	Room-temperature formaldehyde catalytic decomposition. <i>Environmental Science: Nano</i> , 2020, 7, 3655-3709.	2.2	64

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73	Enhanced Photocatalytic H <sub>2</sub> Production Activity of CdS Quantum Dots Using Sn <sup>2+</sup> as Cocatalyst under Visible Light Irradiation. <i>Small</i> , 2020, 16, e2001024.	5.2	124
74	Topotactic Transformation of Bismuth Oxybromide into Bismuth Tungstate: Bandgap Modulation of Single-Crystalline {001}-Faceted Nanosheets for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26991-27000.	4.0	53
75	Photocatalytic CO <sub>2</sub> reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. <i>Nanoscale</i> , 2020, 12, 7206-7213.	2.8	80
76	Low-Temperature-Processed Zr/F Co-Doped SnO <sub>2</sub> Electron Transport Layer for High-Efficiency Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000090.	3.1	42
77	S-Scheme Heterojunction Photocatalyst. <i>CheM</i> , 2020, 6, 1543-1559.	5.8	1,993
78	Graphdiyne: A Brilliant Hole Accumulator for Stable and Efficient Planar Perovskite Solar Cells. <i>Small</i> , 2020, 16, e1907290.	5.2	45
79	3D Graphene-Based H <sub>2</sub> Production Photocatalyst and Electrocatalyst. <i>Advanced Energy Materials</i> , 2020, 10, 1903802.	10.2	199
80	Construction of nickel cobalt sulfide nanosheet arrays on carbon cloth for performance-enhanced supercapacitor. <i>Journal of Materials Science and Technology</i> , 2020, 47, 113-121.	5.6	160
81	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020, 511, 145570.	3.1	112
82	Principle and surface science of photocatalysis. <i>Interface Science and Technology</i> , 2020, 31, 1-38.	1.6	24
83	Hierarchical porous photocatalysts. <i>Interface Science and Technology</i> , 2020, , 63-102.	1.6	4
84	2D/2D/0D TiO <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> MXene composite S-scheme photocatalyst with enhanced CO <sub>2</sub> reduction activity. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119006.	10.8	604
85	Recent advances in g-C <sub>3</sub> N <sub>4</sub> -based heterojunction photocatalysts. <i>Journal of Materials Science and Technology</i> , 2020, 56, 1-17.	5.6	297
86	Surface modification of g-C <sub>3</sub> N <sub>4</sub> : first-principles study. <i>Interface Science and Technology</i> , 2020, 31, 509-539.	1.6	2
87	Triethanolamine-mediated photodeposition formation of amorphous Ni-P alloy for improved H <sub>2</sub> -evolution activity of g-C <sub>3</sub> N <sub>4</sub> . <i>Science China Materials</i> , 2020, 63, 2215-2227.	3.5	53
88	Design and fabrication of direct Z-scheme photocatalysts. <i>Interface Science and Technology</i> , 2020, 31, 193-229.	1.6	12
89	Plasmon-induced interfacial charge-transfer transition prompts enhanced CO <sub>2</sub> photoreduction over Cu/Cu <sub>2</sub> O octahedrons. <i>Chemical Engineering Journal</i> , 2020, 397, 125390.	6.6	65
90	Efficient transformative HCHO capture by defective NH <sub>2</sub> -UiO-66(Zr) at room temperature. <i>Environmental Science: Nano</i> , 2019, 6, 2931-2936.	2.2	38

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91	Graphdiyne: A New Photocatalytic CO <sub>2</sub> Reduction Cocatalyst. <i>Advanced Functional Materials</i> , 2019, 29, 1904256.	7.8	207
92	The pulsed laser-induced Schottky junction via in-situ forming Cd clusters on CdS surfaces toward efficient visible light-driven photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117967.	10.8	148
93	NH <sub>4</sub> Cl-induced low-temperature formation of nitrogen-rich g-C <sub>3</sub> N <sub>4</sub> nanosheets with improved photocatalytic hydrogen evolution. <i>Carbon</i> , 2019, 153, 757-766.	5.4	132
94	Novel g-C <sub>3</sub> N <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> S-scheme isotype heterojunction for improved photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2019, 495, 143555.	3.1	166
95	Unraveling Photoexcited Charge Transfer Pathway and Process of CdS/Graphene Nanoribbon Composites toward Visible-Light Photocatalytic Hydrogen Evolution. <i>Small</i> , 2019, 15, e1902459.	5.2	258
96	Highly Selective CO <sub>2</sub> Capture and Its Direct Photochemical Conversion on Ordered 2D/1D Heterojunctions. <i>Joule</i> , 2019, 3, 2792-2805.	11.7	189
97	Thioether-Functionalized 2D Covalent Organic Framework Featuring Specific Affinity to Au for Photocatalytic Hydrogen Production from Seawater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18574-18581.	3.2	91
98	S-scheme Heterojunction TiO <sub>2</sub> /CdS Nanocomposite Nanofiber as H <sub>2</sub> -Production Photocatalyst. <i>ChemCatChem</i> , 2019, 11, 6301-6309.	1.8	286
99	Review on DFT calculation of <i>triazine</i> -based carbon nitride. , 2019, 1, 32-56.		193
100	In Situ Grown Monolayer N-Doped Graphene on CdS Hollow Spheres with Seamless Contact for Photocatalytic CO <sub>2</sub> Reduction. <i>Advanced Materials</i> , 2019, 31, e1902868.	11.1	515
101	Hierarchical honeycomb-like Pt/NiFe-LDH/rGO nanocomposite with excellent formaldehyde decomposition activity. <i>Chemical Engineering Journal</i> , 2019, 365, 378-388.	6.6	151
102	Hierarchical porous Ni/Co-LDH hollow dodecahedron with excellent adsorption property for Congo red and Cr(VI) ions. <i>Applied Surface Science</i> , 2019, 478, 981-990.	3.1	204
103	Photocatalytic H <sub>2</sub> evolution on graphdiyne/g-C <sub>3</sub> N <sub>4</sub> hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117770.	10.8	284
104	Rationally designed hierarchical NiCo <sub>2</sub> O <sub>4</sub> @Ni(OH) <sub>2</sub> core-shell nanofibers for high performance supercapacitors. <i>Carbon</i> , 2019, 152, 652-660.	5.4	83
105	Ethyl acetate-induced formation of amorphous MoS <sub>x</sub> nanoclusters for improved H <sub>2</sub> -evolution activity of TiO <sub>2</sub> photocatalyst. <i>Chemical Engineering Journal</i> , 2019, 375, 121934.	6.6	81
106	Dual Cocatalysts in TiO <sub>2</sub> Photocatalysis. <i>Advanced Materials</i> , 2019, 31, e1807660.	11.1	796
107	0D/2D NiS <sub>2</sub> /V-MXene composite for electrocatalytic H <sub>2</sub> evolution. <i>Journal of Catalysis</i> , 2019, 375, 8-20.	3.1	150
108	Localized $\pi$ -conjugated structure and EPR investigation of g-C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Applied Surface Science</i> , 2019, 487, 335-342.	3.1	119

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109	Enhanced efficiency of perovskite solar cells by PbS quantum dot modification. <i>Applied Surface Science</i> , 2019, 487, 32-40.	3.1	37
110	NiCo <sub>2</sub> S <sub>4</sub> Nanotubes Anchored 3D Nitrogen-Doped Graphene Framework as Electrode Material with Enhanced Performance for Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11157-11165.	3.2	73
111	0D/2D (Fe <sub>0.5</sub> Ni <sub>0.5</sub> )S <sub>2</sub> /rGO nanocomposite with enhanced supercapacitor and lithium ion battery performance. <i>Journal of Power Sources</i> , 2019, 426, 266-274.	4.0	54
112	0D/3D MoS <sub>2</sub> -NiS <sub>2</sub> /N-doped graphene foam composite for efficient overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 15-25.	10.8	243
113	High-yield lactic acid-mediated route for a g-C <sub>3</sub> N <sub>4</sub> nanosheet photocatalyst with enhanced H <sub>2</sub> -evolution performance. <i>Nanoscale</i> , 2019, 11, 9608-9616.	2.8	107
114	Intrinsic intermediate gap states of TiO <sub>2</sub> materials and their roles in charge carrier kinetics. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 39, 1-57.	5.6	70
115	Ultrafine iron-cobalt nanoparticles embedded in nitrogen-doped porous carbon matrix for oxygen reduction reaction and zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 113-121.	5.0	40
116	Hollow Carbon Spheres and Their Hybrid Nanomaterials in Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803900.	10.2	220
117	N-doped graphene framework supported nickel cobalt oxide as supercapacitor electrode with enhanced performance. <i>Applied Surface Science</i> , 2019, 484, 135-143.	3.1	43
118	3D hierarchical graphene oxide-NiFe LDH composite with enhanced adsorption affinity to Congo red, methyl orange and Cr(VI) ions. <i>Journal of Hazardous Materials</i> , 2019, 369, 214-225.	6.5	329
119	Cocatalysts for Selective Photoreduction of CO <sub>2</sub> into Solar Fuels. <i>Chemical Reviews</i> , 2019, 119, 3962-4179.	23.0	1,591
120	Quenching induced hierarchical 3D porous g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic CO <sub>2</sub> reduction activity. <i>Chemical Communications</i> , 2019, 55, 14023-14026.	2.2	83
121	Enhanced Photocatalytic Activity and Selectivity for CO <sub>2</sub> Reduction over a TiO <sub>2</sub> Nanofibre Mat Using Ag and MgO as Biococatalyst. <i>ChemCatChem</i> , 2019, 11, 465-472.	1.8	81
122	Nickel-based materials for supercapacitors. <i>Materials Today</i> , 2019, 25, 35-65.	8.3	247
123	Plasmonic Graphene-Like Au/C <sub>3</sub> N <sub>4</sub> Nanosheets with Barrier-Free Interface for Photocatalytically Sustainable Evolution of Active Oxygen Species. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2018-2026.	3.2	34
124	Hierarchical porous Al <sub>2</sub> O <sub>3</sub> @ZnO core-shell microfibrils with excellent adsorption affinity for Congo red molecule. <i>Applied Surface Science</i> , 2019, 473, 251-260.	3.1	61
125	Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 736-745.	5.0	123
126	Binary Solvent Engineering for High-Performance Two-Dimensional Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3487-3495.	3.2	90



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127	Review on Metal Sulphide-based Z-scheme Photocatalysts. ChemCatChem, 2019, 11, 1394-1411.	1.8	439
128	In Situ Irradiated X-ray Photoelectron Spectroscopy Investigation on a Direct Z-scheme TiO <sub>2</sub> /CdS Composite Film Photocatalyst. Advanced Materials, 2019, 31, e1802981.	11.1	714
129	Hierarchically CdS@Ag <sub>2</sub> S nanocomposites for efficient photocatalytic H <sub>2</sub> production. Applied Surface Science, 2019, 470, 196-204.	3.1	189
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