Bei Cheng

List of Publications by Year
in descending order

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387 papers	102,284 citations	115 163 h-index	209 311 g-index
394 all docs	394 docs citations	394 times ranked	43376 citing authors

#	Article	IF	Citations
1	TiO2/In2S3 S-scheme photocatalyst with enhanced H2O2-production activity. Nano Research, 2023, 16, 4506-4514.	5.8	85
2	C₃N₄/PDA Sâ€Scheme Heterojunction with Enhanced Photocatalytic H₂O₂ Production Performance and Its Mechanism. Advanced Sustainable Systems, 2023, 7, .	2.7	47
3	Sulfideâ€Based Nickelâ€Plated Fabrics for Foldable Quasiâ€Solidâ€State Supercapacitors. Energy and Environmental Materials, 2022, 5, 883-891.	7.3	19
4	BiOBr/NiO Sâ€Scheme Heterojunction Photocatalyst for CO₂ Photoreduction. Solar Rrl, 2022, 6, 2100587.	3.1	96
5	EPR Investigation on Electron Transfer of 2D/3D gâ€C₃N₄/ZnO Sâ€Scheme Heterojunction for Enhanced CO₂ Photoreduction. Advanced Sustainable Systems, 2022, 6, 2100264.	2.7	112
6	Inorganic Metalâ€Oxide Photocatalyst for H₂O₂ Production. Small, 2022, 18, e2104561.	5.2	152
7	Optimizing Atomic Hydrogen Desorption of Sulfurâ€Rich NiS₁₊_x Cocatalyst for Boosting Photocatalytic H₂ Evolution. Advanced Materials, 2022, 34, e2108475.	11.1	156
8	Metalâ€“organic framework with atomically dispersed Niâ€“N4 sites for greatly-raised visible-light photocatalytic H2 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 TiO2/g-C3N4 S-scheme hierarchical thin-film photocatalyst. Journal of Materials Science and Technology, 2022, 112, 1-10.	5.6	101
11	Emerging Sâ€Scheme Photocatalyst. Advanced Materials, 2022, 34, e2107668.	11.1	717
12	Sandwichâ€Shell Structured CoMn₂O₄/C Hollow Nanospheres for Performanceâ€Enhanced Sodiumâ€Ion Hybrid Supercapacitor. Advanced Energy Materials, 2022, 12, .	10.2	101
13	Modulating the Electronic Metalâ€Support Interactions in Singleâ€Atom Pt₁â”CuO Catalyst for Boosting Acetone Oxidation. Angewandte Chemie, 2022, 134, .	1.6	4
14	Step-by-Step Mechanism Insights into the TiO₂/Ce₂S₃ 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 Lithiumâ€Sulfur Battery Performance. Small Methods, 2022, 6, e2101269.	4.6	14
16	Synergy between Platinum and Gold Nanoparticles in Oxygen Activation for Enhanced Roomâ€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 donorâ€“acceptor modulation for visibleâ€light photocatalytic H₂ evolution. , 2022, 1, 294-308.		92

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19	Designing a Redox Heterojunction for Photocatalytic â€œOverall Nitrogen Fixationâ€•under Mild Conditions. Advanced Materials, 2022, 34, e2200563.	11.1	71
20	Dynamics of Photogenerated Charge Carriers in Inorganic/Organic S-Scheme Heterojunctions. Journal of Physical Chemistry Letters, 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 CO2 reduction. , 2022, , 93-134.		0
23	Graphene oxide-based photocatalysts for H2 production. , 2022, , 65-92.		1
24	H2O molecule adsorption on s-triazine-based g-C3N4. Chinese Journal of Catalysis, 2021, 42, 115-122.	6.9	42
25	Zn Cd1â€“S quantum dot with enhanced photocatalytic H2-production performance. Chinese Journal of Catalysis, 2021, 42, 15-24.	6.9	79
26	Sulfur-doped g-C3N4/TiO2 S-scheme heterojunction photocatalyst for Congo Red photodegradation. Chinese Journal of Catalysis, 2021, 42, 56-68.	6.9	493
27	Review on nickel-based adsorption materials for Congo red. Journal of Hazardous Materials, 2021, 403, 123559.	6.5	148
28	S-scheme heterojunction based on p-type ZnMn2O4 and n-type ZnO with improved photocatalytic CO2 reduction activity. Chemical Engineering Journal, 2021, 409, 127377.	6.6	269
29	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. Journal of Colloid and Interface Science, 2021, 588, 637-645.	5.0	156
30	Design of highly-active photocatalytic materials for solar fuel production. Chemical Engineering Journal, 2021, 421, 127732.	6.6	27
31	Significant capacitance enhancement induced by cyclic voltammetry in pine needle-like Ni-Co-Cu multicomponent electrode. Journal of Materials Science and Technology, 2021, 78, 100-109.	5.6	13
32	Oneâ€Step Realization of Crystallization and Cyanoâ€Group Generation for gâ€C₃N₄ Photocatalysts with Improved H₂ Production. Solar Rrl, 2021, 5, 2000372.	3.1	91
33	Electrospun TiO₂â€Based Photocatalysts. Solar Rrl, 2021, 5, 2000571.	3.1	46
34	Design, Fabrication, and Mechanism of Nitrogenâ€Doped Grapheneâ€Based Photocatalyst. Advanced Materials, 2021, 33, e2003521.	11.1	324
35	Nearâ€Infraredâ€Responsive Photocatalysts. Small Methods, 2021, 5, e2001042.	4.6	84
36	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. EnergyChem, 2021, 3, 100051.	10.1	87

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37	Triethylamine gas sensor based on Pt-functionalized hierarchical ZnO microspheres. Sensors and Actuators B: Chemical, 2021, 331, 129425.	4.0	174
38	In Situ Synthesis of Mo₂C Nanoparticles on Graphene Nanosheets for Enhanced Photocatalytic H₂-Production Activity of TiO₂. ACS Sustainable Chemistry and Engineering, 2021, 9, 3828-3837.	3.2	56
39	An Inorganic/Organic Sâ€Scheme Heterojunction H₂â€Production Photocatalyst and its Charge Transfer Mechanism. Advanced Materials, 2021, 33, e2100317.	11.1	528
40	Enhanced photocatalytic activity and mechanism of CeO2 hollow spheres for tetracycline degradation. Rare Metals, 2021, 40, 2369-2380.	3.6	44
41	A 3D Hierarchical Ti₃C₂T_x/TiO₂ Heterojunction for Enhanced Photocatalytic CO₂ Reduction. ChemNanoMat, 2021, 7, 910-915.	1.5	14
42	In-situ growth of few-layer graphene on ZnO with intimate interfacial contact for enhanced photocatalytic CO2 reduction activity. Chemical Engineering Journal, 2021, 411, 128501.	6.6	99
43	A high-response formaldehyde sensor based on fibrous Ag-ZnO/In2O3 with multi-level heterojunctions. Journal of Hazardous Materials, 2021, 413, 125352.	6.5	97
44	0D/2D NiS/CdS nanocomposite heterojunction photocatalyst with enhanced photocatalytic H2 evolution activity. Applied Surface Science, 2021, 554, 149622.	3.1	48
45	Influence of calcination temperature on photocatalytic H₂O₂ productivity of hierarchical porous ZnO microspheres. Nanotechnology, 2021, 32, 415402.	1.3	10
46	Enhancement in the photocatalytic H2 production activity of CdS NRs by Ag2S and NiS dual cocatalysts. Applied Catalysis B: Environmental, 2021, 288, 119994.	10.8	189
47	Sustained CO2-photoreduction activity and high selectivity over Mn, C-codoped ZnO core-triple shell hollow spheres. Nature Communications, 2021, 12, 4936.	5.8	159
48	Tuning the strength of built-in electric field in 2D/2D g-C3N4/SnS2 and g-C3N4/ZrS2 S-scheme heterojunctions by nonmetal doping. Journal of Materiomics, 2021, 7, 988-997.	2.8	77
49	gâ€C₃N₄â€Based 2D/2D Composite Heterojunction Photocatalyst. Small Structures, 2021, 2, 2100086.	6.9	127
50	In situ Irradiated XPS Investigation on Sâ€Scheme TiO₂@ZnIn₂S₄ Photocatalyst for Efficient Photocatalytic CO₂ Reduction. Small, 2021, 17, e2103447.	5.2	449
51	CsPbBr₃ Nanocrystal Induced Bilateral Interface Modification for Efficient Planar Perovskite Solar Cells. Advanced Science, 2021, 8, e2102648.	5.6	92
52	Potassium/oxygen co-doped polymeric carbon nitride for enhanced photocatalytic CO2 reduction. Applied Surface Science, 2021, 563, 150310.	3.1	18
53	0D/2D CdS/ZnO composite with n-n heterojunction for efficient detection of triethylamine. Journal of Colloid and Interface Science, 2021, 600, 898-909.	5.0	44
54	Enhanced performance of CH3NH3PbI3 perovskite solar cells by excess halide modification. Applied Surface Science, 2021, 564, 150464.	3.1	18

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55	Selective modification of ultra-thin g-C3N4 nanosheets on the (110) facet of Au/BiVO4 for boosting photocatalytic H2O2 production. Applied Catalysis B: Environmental, 2021, 297, 120414.	10.8	63
56	Photocatalytic H₂ Evolution Coupled with Furfuralcohol Oxidation over Ptâ€Modified ZnCdS Solid Solution. Small Methods, 2021, 5, e2100979.	4.6	79
57	Coreâ€“Shell Structured C@SiO₂ Hollow Spheres Decorated with Nickel Nanoparticles as Anode Materials for Lithiumâ€Ion Batteries. Small, 2021, 17, e2103673.	5.2	43
58	Hierarchically Porous ZnO/g-C₃N₄ S-Scheme Heterojunction Photocatalyst for Efficient H₂O₂ Production. Langmuir, 2021, 37, 14114-14124.	1.6	165
59	In Situ Transformation of Prussianâ€Blue Analogueâ€Derived Bimetallic Carbide Nanocubes by Water Oxidation: Applications for Energy Storage and Conversion. Chemistry - A European Journal, 2020, 26, 4052-4062.	1.7	23
60	Product selectivity of photocatalytic CO2 reduction reactions. Materials Today, 2020, 32, 222-243.	8.3	719
61	Enhanced photocatalytic H2-production activity of WO3/TiO2 step-scheme heterojunction by graphene modification. Chinese Journal of Catalysis, 2020, 41, 9-20.	6.9	458
62	ZIF-67 derived nickel cobalt sulfide hollow cages for high-performance supercapacitors. Applied Surface Science, 2020, 504, 144501.	3.1	107
63	Near-infrared absorbing 2D/3D ZnIn2S4/N-doped graphene photocatalyst for highly efficient CO2 capture and photocatalytic reduction. Science China Materials, 2020, 63, 552-565.	3.5	159
64	Hierarchical NiMn₂O₄/rGO composite nanosheets decorated with Pt for low-temperature formaldehyde oxidation. Environmental Science: Nano, 2020, 7, 198-209.	2.2	40
65	Cobalt polyoxometalate on N-doped carbon layer to boost photoelectrochemical water oxidation of BiVO4. Chemical Engineering Journal, 2020, 392, 123744.	6.6	57
66	Nanocages of Polymeric Carbon Nitride from Lowâ€Temperature Supramolecular Preorganization for Photocatalytic CO₂ Reduction. Solar Rrl, 2020, 4, 1900469.	3.1	38
67	Graphene-Zn0.5Cd0.5S nanocomposite with enhanced visible-light photocatalytic CO2 reduction activity. Applied Surface Science, 2020, 506, 144683.	3.1	48
68	Curved Surface Boosts Electrochemical CO₂ Reduction to Formate via Bismuth Nanotubes in a Wide Potential Window. ACS Catalysis, 2020, 10, 358-364.	5.5	206
69	Holey Graphene for Electrochemical Energy Storage. Cell Reports Physical Science, 2020, 1, 100215.	2.8	58
70	Grapheneâ€Based Materials in Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000502.	3.1	36
71	Unique S-scheme heterojunctions in self-assembled TiO2/CsPbBr3 hybrids for CO2 photoreduction. Nature Communications, 2020, 11, 4613.	5.8	776
72	Room-temperature formaldehyde catalytic decomposition. Environmental Science: Nano, 2020, 7, 3655-3709.	2.2	64

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73	Enhanced Photocatalytic H₂â€Production Activity of CdS Quantum Dots Using Sn²⁺ as Cocatalyst under Visible Light Irradiation. Small, 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 CO₂ Reduction. ACS Applied Materials & Interfaces, 2020, 12, 26991-27000.	4.0	53
75	Photocatalytic CO₂ reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. Nanoscale, 2020, 12, 7206-7213.	2.8	80
76	Lowâ€Temperatureâ€Processed Zr/F Coâ€Doped SnO₂ Electron Transport Layer for Highâ€Efficiency Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000090.	3.1	42
77	S-Scheme Heterojunction Photocatalyst. CheM, 2020, 6, 1543-1559.	5.8	1,993
78	Graphdiyne: A Brilliant Hole Accumulator for Stable and Efficient Planar Perovskite Solar Cells. Small, 2020, 16, e1907290.	5.2	45
79	3D Grapheneâ€Based H₂â€Production Photocatalyst and Electrocatalyst. Advanced Energy Materials, 2020, 10, 1903802.	10.2	199
80	Construction of nickel cobalt sulfide nanosheet arrays on carbon cloth for performance-enhanced supercapacitor. Journal of Materials Science and Technology, 2020, 47, 113-121.	5.6	160
81	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. Applied Surface Science, 2020, 511, 145570.	3.1	112
82	Principle and surface science of photocatalysis. Interface Science and Technology, 2020, 31, 1-38.	1.6	24
83	Hierarchical porous photocatalysts. Interface Science and Technology, 2020, , 63-102.	1.6	4
84	2D/2D/0D TiO2/C3N4/Ti3C2 MXene composite S-scheme photocatalyst with enhanced CO2 reduction activity. Applied Catalysis B: Environmental, 2020, 272, 119006.	10.8	604
85	Recent advances in g-C3N4-based heterojunction photocatalysts. Journal of Materials Science and Technology, 2020, 56, 1-17.	5.6	297
86	Surface modification of g-C3N4: first-principles study. Interface Science and Technology, 2020, 31, 509-539.	1.6	2
87	Triethanolamine-mediated photodeposition formation of amorphous Ni-P alloy for improved H2-evolution activity of g-C3N4. Science China Materials, 2020, 63, 2215-2227.	3.5	53
88	Design and fabrication of direct Z-scheme photocatalysts. Interface Science and Technology, 2020, 31, 193-229.	1.6	12
89	Plasmon-induced interfacial charge-transfer transition prompts enhanced CO2 photoreduction over Cu/Cu2O octahedrons. Chemical Engineering Journal, 2020, 397, 125390.	6.6	65
90	Efficient transformative HCHO capture by defective NH₂-UiO-66(Zr) at room temperature. Environmental Science: Nano, 2019, 6, 2931-2936.	2.2	38

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91	Graphdiyne: A New Photocatalytic CO₂ Reduction Cocatalyst. Advanced Functional Materials, 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. Applied Catalysis B: Environmental, 2019, 258, 117967.	10.8	148
93	NH4Cl-induced low-temperature formation of nitrogen-rich g-C3N4 nanosheets with improved photocatalytic hydrogen evolution. Carbon, 2019, 153, 757-766.	5.4	132
94	Novel g-C3N4/g-C3N4 S-scheme isotype heterojunction for improved photocatalytic hydrogen generation. Applied Surface Science, 2019, 495, 143555.	3.1	166
95	Unraveling Photoexcited Charge Transfer Pathway and Process of CdS/Graphene Nanoribbon Composites toward Visibleâ€Light Photocatalytic Hydrogen Evolution. Small, 2019, 15, e1902459.	5.2	258
96	Highly Selective CO2 Capture and Its Direct Photochemical Conversion on Ordered 2D/1D Heterojunctions. Joule, 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. ACS Sustainable Chemistry and Engineering, 2019, 7, 18574-18581.	3.2	91
98	Sâ€Scheme Heterojunction TiO₂/CdS Nanocomposite Nanofiber as H₂â€Production Photocatalyst. ChemCatChem, 2019, 11, 6301-6309.	1.8	286
99	Review on DFT calculation of sâ€triazineâ€based carbon nitride. , 2019, 1, 32-56.		193
100	In Situ Grown Monolayer Nâ€Doped Graphene on CdS Hollow Spheres with Seamless Contact for Photocatalytic CO₂ Reduction. Advanced Materials, 2019, 31, e1902868.	11.1	515
101	Hierarchical honeycomb-like Pt/NiFe-LDH/rGO nanocomposite with excellent formaldehyde decomposition activity. Chemical Engineering Journal, 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. Applied Surface Science, 2019, 478, 981-990.	3.1	204
103	Photocatalytic H2 evolution on graphdiyne/g-C3N4 hybrid nanocomposites. Applied Catalysis B: Environmental, 2019, 255, 117770.	10.8	284
104	Rationally designed hierarchical NiCo2O4â€“C@Ni(OH)2 core-shell nanofibers for high performance supercapacitors. Carbon, 2019, 152, 652-660.	5.4	83
105	Ethyl acetate-induced formation of amorphous MoSx nanoclusters for improved H2-evolution activity of TiO2 photocatalyst. Chemical Engineering Journal, 2019, 375, 121934.	6.6	81
106	Dual Cocatalysts in TiO₂ Photocatalysis. Advanced Materials, 2019, 31, e1807660.	11.1	796
107	0D/2D NiS2/V-MXene composite for electrocatalytic H2 evolution. Journal of Catalysis, 2019, 375, 8-20.	3.1	150
108	Localized Ï€-conjugated structure and EPR investigation of g-C3N4 photocatalyst. Applied Surface Science, 2019, 487, 335-342.	3.1	119

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109	Enhanced efficiency of perovskite solar cells by PbS quantum dot modification. Applied Surface Science, 2019, 487, 32-40.	3.1	37
110	NiCo₂S₄ Nanotubes Anchored 3D Nitrogen-Doped Graphene Framework as Electrode Material with Enhanced Performance for Asymmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 11157-11165.	3.2	73
111	0D/2D (Fe0.5Ni0.5)S2/rGO nanocomposite with enhanced supercapacitor and lithium ion battery performance. Journal of Power Sources, 2019, 426, 266-274.	4.0	54
112	0D/3D MoS2-NiS2/N-doped graphene foam composite for efficient overall water splitting. Applied Catalysis B: Environmental, 2019, 254, 15-25.	10.8	243
113	High-yield lactic acid-mediated route for a g-C₃N₄ nanosheet photocatalyst with enhanced H₂-evolution performance. Nanoscale, 2019, 11, 9608-9616.	2.8	107
114	Intrinsic intermediate gap states of TiO2 materials and their roles in charge carrier kinetics. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 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. Journal of Colloid and Interface Science, 2019, 546, 113-121.	5.0	40
116	Hollow Carbon Spheres and Their Hybrid Nanomaterials in Electrochemical Energy Storage. Advanced Energy Materials, 2019, 9, 1803900.	10.2	220
117	N-doped graphene framework supported nickel cobalt oxide as supercapacitor electrode with enhanced performance. Applied Surface Science, 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. Journal of Hazardous Materials, 2019, 369, 214-225.	6.5	329
119	Cocatalysts for Selective Photoreduction of CO₂into Solar Fuels. Chemical Reviews, 2019, 119, 3962-4179.	23.0	1,591
120	Quenching induced hierarchical 3D porous g-C₃N₄ with enhanced photocatalytic CO₂ reduction activity. Chemical Communications, 2019, 55, 14023-14026.	2.2	83
121	Enhanced Photocatalytic Activity and Selectivity for CO₂ Reduction over a TiO₂ Nanofibre Mat Using Ag and MgO as Bi€Cocatalyst. ChemCatChem, 2019, 11, 465-472.	1.8	81
122	Nickel-based materials for supercapacitors. Materials Today, 2019, 25, 35-65.	8.3	247
123	Plasmonic Graphene-Like Au/C₃N₄ Nanosheets with Barrier-Free Interface for Photocatalytically Sustainable Evolution of Active Oxygen Species. ACS Sustainable Chemistry and Engineering, 2019, 7, 2018-2026.	3.2	34
124	Hierarchical porous Al2O3@ZnO core-shell microfibres with excellent adsorption affinity for Congo red molecule. Applied Surface Science, 2019, 473, 251-260.	3.1	61
125	Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. Journal of Colloid and Interface Science, 2019, 537, 736-745.	5.0	123
126	Binary Solvent Engineering for High-Performance Two-Dimensional Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 3487-3495.	3.2	90

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127	Review on Metal Sulphideâ€based Zâ€scheme Photocatalysts. ChemCatChem, 2019, 11, 1394-1411.	1.8	439
128	In Situ Irradiated Xâ€Ray Photoelectron Spectroscopy Investigation on a Direct Zâ€Scheme TiO₂/CdS Composite Film Photocatalyst. Advanced Materials, 2019, 31, e1802981.	11.1	714
129	Hierarchically CdSâ€“Ag2S nanocomposites for efficient photocatalytic H2 production. Applied Surface Science, 2019, 470, 196-204.	3.1	189
130	Ultrathin 2D/2D WO3/g-C3N4 step-scheme H2-production photocatalyst. Applied Catalysis B: Environmental, 2019, 243, 556-565.	10.8	1,895
131	Adsorption of CO2, O2, NO and CO on s-triazine-based g-C3N4 surface. Catalysis Today, 2019, 335, 117-127.	2.2	59
132	Direct Z-scheme ZnO/CdS hierarchical photocatalyst for enhanced photocatalytic H2-production activity. Applied Catalysis B: Environmental, 2019, 243, 19-26.	10.8	653
133	TiO₂â€“MnO_xâ€“Pt Hybrid Multiheterojunction Film Photocatalyst with Enhanced Photocatalytic CO₂-Reduction Activity. ACS Applied Materials & Interfaces, 2019, 11, 5581-5589.	4.0	219
134	CuInS2 sensitized TiO2 hybrid nanofibers for improved photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2018, 230, 194-202.	10.8	407
135	Ultrathin Bi2WO6 nanosheet decorated with Pt nanoparticles for efficient formaldehyde removal at room temperature. Applied Surface Science, 2018, 441, 429-437.	3.1	84
136	Three-dimensional hollow graphene efficiently promotes electron transfer of Ag3PO4 for photocatalytically eliminating phenol. Applied Surface Science, 2018, 442, 224-231.	3.1	27
137	2D/2D Heterojunction of Ultrathin MXene/Bi₂WO₆ Nanosheets for Improved Photocatalytic CO₂ Reduction. Advanced Functional Materials, 2018, 28, 1800136.	7.8	1,157
138	Fabrication of hierarchical bristle-grass-like NH4Al(OH)2CO3@Ni(OH)2 core-shell structure and its enhanced Congo red adsorption performance. Journal of Alloys and Compounds, 2018, 750, 644-654.	2.8	37
139	Self-assembled hierarchical direct Z-scheme g-C3N4/ZnO microspheres with enhanced photocatalytic CO2 reduction performance. Applied Surface Science, 2018, 441, 12-22.	3.1	364
140	Hierarchical TiO₂/Ni(OH)₂composite fibers with enhanced photocatalytic CO₂reduction performance. Journal of Materials Chemistry A, 2018, 6, 4729-4736.	5.2	212
141	Coreâ€“Shell Nitrogenâ€Doped Carbon Hollow Spheres/Co₃O₄ Nanosheets as Advanced Electrode for Highâ€Performance Supercapacitor. Small, 2018, 14, e1702407.	5.2	309
142	Constructing 2D/2D Fe₂O₃/gâ€C₃N₄ Direct Zâ€Scheme Photocatalysts with Enhanced H₂ Generation Performance. Solar Rrl, 2018, 2, 1800006.	3.1	403
143	Ni_xS_y Nanowalls/Nitrogenâ€Doped Graphene Foam Is an Efficient Trifunctional Catalyst for Unassisted Artificial Photosynthesis. Advanced Functional Materials, 2018, 28, 1706917.	7.8	72
144	Chestnut husk-like nickel cobaltite hollow microspheres for the adsorption of Congo red. Journal of Alloys and Compounds, 2018, 735, 1041-1051.	2.8	66

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145	Hollow CoS_x Polyhedrons Act as High-Efficiency Cocatalyst for Enhancing the Photocatalytic Hydrogen Generation of g-C₃N₄. ACS Sustainable Chemistry and Engineering, 2018, 6, 2767-2779.	3.2	343
146	ZnO hierarchical microsphere for enhanced photocatalytic activity. Journal of Alloys and Compounds, 2018, 741, 622-632.	2.8	145
147	Ag2CrO4/g-C3N4/graphene oxide ternary nanocomposite Z-scheme photocatalyst with enhanced CO2 reduction activity. Applied Catalysis B: Environmental, 2018, 231, 368-380.	10.8	469
148	Suspensible Cubic-Phase CdS Nanocrystal Photocatalyst: Facile Synthesis and Highly Efficient H₂-Evolution Performance in a Sulfur-Rich System. ACS Sustainable Chemistry and Engineering, 2018, 6, 5513-5523.	3.2	110
149	TiO2/MXene Ti3C2 composite with excellent photocatalytic CO2 reduction activity. Journal of Catalysis, 2018, 361, 255-266.	3.1	647
150	Dependence of Exposed Facet of Pd on Photocatalytic H₂-Production Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 6478-6487.	3.2	41
151	Graphdiyne: a superior carbon additive to boost the activity of water oxidation catalysts. Nanoscale Horizons, 2018, 3, 317-326.	4.1	116
152	Fabrication of a hierarchical NiO/C hollow sphere composite and its enhanced supercapacitor performance. Chemical Communications, 2018, 54, 3731-3734.	2.2	140
153	Investigation of Al 2 O 3 and ZrO 2 spacer layers for fully printable and hole-conductor-free mesoscopic perovskite solar cells. Applied Surface Science, 2018, 430, 632-638.	3.1	52
154	Enhanced photocurrent density of HTM-free perovskite solar cells by carbon quantum dots. Applied Surface Science, 2018, 430, 625-631.	3.1	68
155	New understanding of photocatalytic properties of zigzag and armchair g-C 3 N 4 nanotubes from electronic structures and carrier effective mass. Applied Surface Science, 2018, 430, 348-354.	3.1	40
156	Hole-conductor-free perovskite solar cells prepared with carbon counter electrode. Applied Surface Science, 2018, 430, 531-538.	3.1	39
157	In situ photodeposition of amorphous CoS x on the TiO 2 towards hydrogen evolution. Applied Surface Science, 2018, 430, 448-456.	3.1	70
158	Mechanistic insight into the enhanced photocatalytic activity of single-atom Pt, Pd or Au-embedded g-C 3 N 4. Applied Surface Science, 2018, 433, 1175-1183.	3.1	188
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