Yan Zhao

List of Publications by Year
in descending order

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Version: 2024-02-01

384 papers	31,095 citations	3334 91 h-index	6654 156 g-index
384 all docs	384 docs citations	384 times ranked	20786 citing authors

#	Article	IF	Citations
1	Exploring the Limit of Accuracy of the Global Hybrid Meta Density Functional for Main-Group Thermochemistry, Kinetics, and Noncovalent Interactions. Journal of Chemical Theory and Computation, 2008, 4, 1849-1868.	5.3	956
2	A Hierarchical Zâ€'Scheme Î±â€Fe₂O₃/gâ€C₃N₄ Hybrid for Enhanced Photocatalytic CO₂ Reduction. Advanced Materials, 2018, 30, 1706108.	21.0	761
3	High Efficiency Photocatalytic Water Splitting Using 2D Î±â€Fe₂O₃/gâ€C₃N₄ Zâ€Scheme Catalysts. Advanced Energy Materials, 2017, 7, 1700025.	19.5	664
4	Novel visible-light-driven AgX/graphite-like C3N4 (X=Br, I) hybrid materials with synergistic photocatalytic activity. Applied Catalysis B: Environmental, 2013, 129, 182-193.	20.2	595
5	Preparation of MnCo₂O₄@Ni(OH)₂ Coreâ€"Shell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance. Advanced Functional Materials, 2016, 26, 4085-4093.	14.9	517
6	Novel visible-light-driven CQDs/Bi 2 WO 6 hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. Applied Catalysis B: Environmental, 2015, 168-169, 51-61.	20.2	486
7	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. Advanced Functional Materials, 2018, 28, 1801983.	14.9	472
8	Visible-light-induced WO3/g-C3N4 composites with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 8606.	3.3	445
9	Preparation of sphere-like g-C3N4/BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. Journal of Materials Chemistry A, 2014, 2, 5340.	10.3	439
10	Template-free synthesis of 2D porous ultrathin nonmetal-doped g-C 3 N 4 nanosheets with highly efficient photocatalytic H 2 evolution from water under visible light. Applied Catalysis B: Environmental, 2016, 187, 144-153.	20.2	415
11	Bismuth oxyhalide layered materials for energy and environmental applications. Nano Energy, 2017, 41, 172-192.	16.0	413
12	Ultrathin 2D Photocatalysts: Electronicâ€Structure Tailoring, Hybridization, and Applications. Advanced Materials, 2018, 30, 1704548.	21.0	409
13	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. Applied Catalysis B: Environmental, 2016, 181, 260-269.	20.2	380
14	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. Nano Energy, 2016, 27, 138-146.	16.0	379
15	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu²⁺. Nanoscale, 2014, 6, 1406-1415.	5.6	351
16	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu2+. Journal of Materials Chemistry A, 2014, 2, 2563.	10.3	330
17	Defectâ€Rich Bi₁₂O₁₇Cl₂ Nanotubes Selfâ€Accelerating Charge Separation for Boosting Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 14847-14851.	13.8	329
18	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi₂MoO₆. Nanoscale, 2015, 7, 11433-11443.	5.6	306

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19	Carbon Quantum Dots Modified BiOCl Ultrathin Nanosheets with Enhanced Molecular Oxygen Activation Ability for Broad Spectrum Photocatalytic Properties and Mechanism Insight. ACS Applied Materials & Interfaces, 2015, 7, 20111-20123.	8.0	302
20	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td 84-94.	20.2	300
21	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. Applied Catalysis B: Environmental, 2018, 225, 154-161.	20.2	296
22	Advanced photocatalytic performance of graphene-like BN modified BiOBr flower-like materials for the removal of pollutants and mechanism insight. Applied Catalysis B: Environmental, 2016, 183, 254-262.	20.2	294
23	A Waterborne Coating System for Preparing Robust, Selfâ€healing, Superamphiphobic Surfaces. Advanced Functional Materials, 2017, 27, 1604261.	14.9	273
24	Controlled Gas Exfoliation of Boron Nitride into Fewâ€Layered Nanosheets. Angewandte Chemie - International Edition, 2016, 55, 10766-10770.	13.8	271
25	Synthesis of magnetic CoFe2O4/g-C3N4 composite and its enhancement of photocatalytic ability under visible-light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 478, 71-80.	4.7	253
26	Construction of MnO2/Monolayer g-C3N4 with Mn vacancies for Z-scheme overall water splitting. Applied Catalysis B: Environmental, 2019, 241, 452-460.	20.2	252
27	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. Applied Catalysis B: Environmental, 2017, 207, 429-437.	20.2	238
28	2D heterostructure comprised of metallic 1T-MoS2/Monolayer O-g-C3N4 towards efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 220, 379-385.	20.2	231
29	Self-Assembly and Enhanced Photocatalytic Properties of BiOI Hollow Microspheres via a Reactable Ionic Liquid. Langmuir, 2011, 27, 1200-1206.	3.5	228
30	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. Materials Today, 2018, 21, 749-770.	14.2	228
31	The CNT modified white C3N4 composite photocatalyst with enhanced visible-light response photoactivity. Dalton Transactions, 2013, 42, 7604.	3.3	226
32	Commercially available molybdic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. Green Chemistry, 2008, 10, 641.	9.0	214
33	Novel magnetic CoFe 2 O 4 /Ag/Ag 3 VO 4 composites: Highly efficient visible light photocatalytic and antibacterial activity. Applied Catalysis B: Environmental, 2016, 199, 11-22.	20.2	211
34	Cr-doped CoFe layered double hydroxides: Highly efficient and robust bifunctional electrocatalyst for the oxidation of water and urea. Applied Catalysis B: Environmental, 2020, 272, 118959.	20.2	210
35	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. Chemical Communications, 2016, 52, 144-147.	4.1	206
36	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. Nature Communications, 2017, 8, 15291.	12.8	200

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37	Nature-based catalyst for visible-light-driven photocatalytic CO₂ reduction. Energy and Environmental Science, 2018, 11, 2382-2389.	30.8	198
38	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 15864-15874.	10.3	196
39	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. AICHE Journal, 2016, 62, 2087-2100.	3.6	192
40	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. Nano Energy, 2017, 35, 79-91.	16.0	179
41	Morphology controlled preparation of ZnCo 2 O 4 nanostructures for asymmetric supercapacitor with ultrahigh energy density. Energy, 2017, 123, 296-304.	8.8	177
42	Synthesis of g-C₃N₄ at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. RSC Advances, 2015, 5, 101552-101562.	3.6	175
43	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag3PO4@NiFe2O4 composites. Applied Catalysis B: Environmental, 2018, 225, 40-50.	20.2	175
44	Bismuth vacancy mediated single unit cell Bi2WO6 nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	20.2	173
45	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. Green Chemistry, 2015, 17, 1647-1656.	9.0	167
46	A g-C3N4/BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. RSC Advances, 2013, 3, 19624.	3.6	162
47	Solvothermal synthesis of metallic 1T-WS2: A supporting co-catalyst on carbon nitride nanosheets toward photocatalytic hydrogen evolution. Chemical Engineering Journal, 2018, 335, 282-289.	12.7	161
48	Construction of novel CNT/LaVO4 nanostructures for efficient antibiotic photodegradation. Chemical Engineering Journal, 2019, 357, 487-497.	12.7	158
49	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. Chemical Engineering Journal, 2020, 382, 122812.	12.7	155
50	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. Green Chemistry, 2019, 21, 3074-3080.	9.0	151
51	Construction of a 2D Grapheneâ€Like MoS₂/C₃N₄ Heterojunction with Enhanced Visibleâ€Light Photocatalytic Activity and Photoelectrochemical Activity. Chemistry - A European Journal, 2016, 22, 4764-4773.	3.3	149
52	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. Applied Catalysis B: Environmental, 2020, 269, 118760.	20.2	147
53	Preparation of TiO2/g-C3N4 composites and their application in photocatalytic oxidative desulfurization. Ceramics International, 2014, 40, 11627-11635.	4.8	142
54	Three dimensional polyaniline/MgIn2S4 nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H2 production. Chemical Engineering Journal, 2019, 360, 1601-1612.	12.7	142

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55	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. Langmuir, 2016, 32, 2075-2084.	3.5	136
56	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. Applied Catalysis B: Environmental, 2020, 271, 118936.	20.2	135
57	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS₂coupled BiOBr microspheres. Dalton Transactions, 2014, 43, 15429-15438.	3.3	133
58	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. Green Chemistry, 2018, 20, 4453-4460.	9.0	128
59	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. Journal of Materials Chemistry A, 2015, 3, 12738-12747.	10.3	126
60	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. Journal of Materials Chemistry A, 2016, 4, 5051-5061.	10.3	126
61	Different Morphologies of SnS₂ Supported on 2D g-C₃N₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2018, 6, 5132-5141.	6.7	125
62	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. Carbon, 2016, 98, 613-623.	10.3	123
63	NiCo2O4 ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. Applied Surface Science, 2019, 478, 552-559.	6.1	123
64	Synergistic effect of dual BrÃ¸nsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. Chemical Engineering Journal, 2020, 394, 124831.	12.7	123
65	A ternary cobaltâ€“molybdenumâ€“vanadium layered double hydroxide nanosheet array as an efficient bifunctional electrocatalyst for overall water splitting. Chemical Communications, 2019, 55, 3521-3524.	4.1	121
66	Nickelâ€“cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. Dalton Transactions, 2017, 46, 8372-8376.	3.3	120
67	Spaceâ€Confined Yolkâ€Shell Construction of Fe₃O₄ Nanoparticles Inside Nâ€Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Longâ€Term Rechargeable Zincâ€“Air Batteries. Advanced Functional Materials, 2020, 30, 2005834.	14.9	119
68	Ionic liquid extraction and catalytic oxidative desulfurization of fuels using dialkylpiperidinium tetrachloroferrates catalysts. Chemical Engineering Journal, 2014, 250, 48-54.	12.7	116
69	A sensitive signal-on photoelectrochemical sensor for tetracycline determination using visible-light-driven flower-like CN/BiOBr composites. Biosensors and Bioelectronics, 2018, 111, 74-81.	10.1	115
70	CNT/Ag3PO4 composites with highly enhanced visible light photocatalytic activity and stability. Chemical Engineering Journal, 2014, 241, 35-42.	12.7	114
71	Synthesis of supported SiW12O40-based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. Chemical Engineering Journal, 2016, 288, 608-617.	12.7	113
72	In-situ preparation of NH2-MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. Applied Surface Science, 2019, 466, 525-534.	6.1	113

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73	N-CQDs accelerating surface charge transfer of Bi4O5I2 hollow nanotubes with broad spectrum photocatalytic activity. Applied Catalysis B: Environmental, 2018, 237, 1033-1043.	20.2	112
74	Ultrathin g-C3N4 with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. Journal of Colloid and Interface Science, 2019, 553, 530-539.	9.4	112
75	2D-2D stacking of graphene-like g-C 3 N 4 /Ultrathin Bi 4 O 5 Br 2 with matched energy band structure towards antibiotic removal. Applied Surface Science, 2017, 413, 372-380.	6.1	111
76	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi4O5I2 towards bisphenol a removal. Chemical Engineering Journal, 2018, 331, 355-363.	12.7	111
77	Magnetic g-C₃N₄/NiFe₂O₄ hybrids with enhanced photocatalytic activity. RSC Advances, 2015, 5, 57960-57967.	3.6	110
78	Unique Z-scheme carbonized polymer dots/Bi4O5Br2 hybrids for efficiently boosting photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 293, 120182.	20.2	110
79	Exploring deep effects of atomic vacancies on activating CO2 photoreduction via rationally designing indium oxide photocatalysts. Chemical Engineering Journal, 2021, 422, 129888.	12.7	110
80	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H₂ Evolution. ACS Nano, 2019, 13, 11294-11302.	14.6	109
81	Boosting aerobic oxidative desulfurization performance in fuel oil via strong metal-edge interactions between Pt and h-BN. Chemical Engineering Journal, 2020, 380, 122526.	12.7	108
82	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	10.3	107
83	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. Journal of Colloid and Interface Science, 2019, 534, 239-247.	9.4	106
84	g-C3N4 modified Bi2O3 composites with enhanced visible-light photocatalytic activity. Journal of Physics and Chemistry of Solids, 2015, 76, 112-119.	4.0	105
85	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe2. Applied Catalysis B: Environmental, 2019, 243, 330-336.	20.2	105
86	One-step synthesis of Fe-doped surface-alkalinized g-C3N4 and their improved visible-light photocatalytic performance. Applied Surface Science, 2019, 469, 739-746.	6.1	103
87	Biomass willow catkin-derived Co₃O₄/N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 20170-20179.	10.3	102
88	Polyoxometalate-based ionic liquid supported on graphite carbon induced solvent-free ultra-deep oxidative desulfurization of model fuels. Fuel, 2017, 190, 1-9.	6.4	98
89	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. Fuel, 2018, 230, 104-112.	6.4	97
90	Boron Nitride Mesoporous Nanowires with Doped Oxygen Atoms for the Remarkable Adsorption Desulfurization Performance from Fuels. ACS Sustainable Chemistry and Engineering, 2016, 4, 4457-4464.	6.7	95

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91	Oxidative desulfurization of fuel catalyzed by metal-based surfactant-type ionic liquids. Journal of Molecular Catalysis A, 2011, 347, 8-14.	4.8	92
92	In situ oxidation synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl/g-C3N4 and its activity. Ceramics International, 2014, 40, 9293-9301.	4.8	92
93	A novel visible-light-response plasmonic photocatalyst CNT/Ag/AgBr and its photocatalytic properties. Physical Chemistry Chemical Physics, 2013, 15, 5821.	2.8	91
94	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO2Br for robust CO2 photoreduction. Applied Catalysis B: Environmental, 2019, 254, 551-559.	20.2	91
95	Reversible Formation of gâ€C₃N₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Roomâ€Temperature Gasâ€Sensing Properties. Advanced Functional Materials, 2017, 27, 1700653.	14.9	90
96	Design and Synthesis of Hierarchical SiO₂@C/TiO₂ Hollow Spheres for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 29982-29991.	8.0	90
97	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. Journal of Materials Chemistry A, 2019, 7, 25203-25226.	10.3	90
98	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. Applied Catalysis B: Environmental, 2020, 277, 119245.	20.2	90
99	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C3N4 with enhanced visible-light photocatalytic ability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 474-483.	4.7	89
100	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. Journal of Materials Chemistry A, 2019, 7, 5209-5213.	10.3	89
101	Sulfur promoted n-Ï€* electron transitions in thiophene-doped g-C3N4 for enhanced photocatalytic activity. Chinese Journal of Catalysis, 2021, 42, 450-459.	14.0	87
102	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. Carbon, 2017, 114, 601-607.	10.3	86
103	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. ACS Omega, 2017, 2, 5385-5394.	3.5	86
104	Controllable synthesis of uniform mesoporous H-Nb₂O₅/rGO nanocomposites for advanced lithium ion hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 693-703.	10.3	86
105	Construction of NH2-UiO-66/BiOBr composites with boosted photocatalytic activity for the removal of contaminants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123625.	4.7	85
106	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. Journal of Materials Chemistry A, 2020, 8, 21434-21454.	10.3	84
107	Facile preparation of NiFe2O4/MoS2 composite material with synergistic effect for high performance supercapacitor. Journal of Alloys and Compounds, 2017, 726, 608-617.	5.5	83
108	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. Green Energy and Environment, 2020, 5, 166-172.	8.7	83

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109	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. Applied Catalysis B: Environmental, 2017, 218, 174-185.	20.2	82
110	Fabrication of Z-scheme magnetic MoS2/CoFe2O4 nanocomposites with highly efficient photocatalytic activity. Journal of Colloid and Interface Science, 2018, 514, 664-674.	9.4	82
111	Enhanced photocatalytic activity of ternary Ag3PO4/GO/g-C3N4 photocatalysts for Rhodamine B degradation under visible light radiation. Applied Surface Science, 2019, 466, 70-77.	6.1	81
112	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. Chinese Chemical Letters, 2018, 29, 805-810.	9.0	80
113	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. Green Chemistry, 2016, 18, 3040-3047.	9.0	79
114	Construction of 2D SnS2/g-C3N4 Z-scheme composite with superior visible-light photocatalytic performance. Applied Surface Science, 2019, 467-468, 56-64.	6.1	79
115	Constructing Pd/2D-C3N4 composites for efficient photocatalytic H2 evolution through nonplasmon-induced bound electrons. Applied Surface Science, 2019, 467-468, 151-157.	6.1	78
116	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. Journal of Colloid and Interface Science, 2019, 533, 612-620.	9.4	77
117	Plasma treated Bi₂WO₆ ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO₂ reduction. Inorganic Chemistry Frontiers, 2020, 7, 597-602.	6.0	77
118	Revealing the role of oxygen vacancies in bimetallic PbBiO2Br atomic layers for boosting photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2020, 277, 119170.	20.2	77
119	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. Industrial & Engineering Chemistry Research, 2018, 57, 17394-17400.	3.7	76
120	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. Inorganic Chemistry Frontiers, 2018, 5, 2964-2970.	6.0	76
121	Conjugated conducting polymers PANI decorated Bi12O17Cl2 photocatalyst with extended light response range and enhanced photoactivity. Applied Surface Science, 2019, 464, 552-561.	6.1	76
122	Confined active species and effective charge separation in Bi4O5I2 ultrathin hollow nanotube with increased photocatalytic activity. Applied Catalysis B: Environmental, 2020, 268, 118403.	20.2	75
123	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. Chemical Engineering Journal, 2020, 387, 124138.	12.7	75
124	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C3N4: facile synthesis and the enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2017, 494, 38-46.	9.4	74
125	Hydrothermal synthesis of mpg-C₃N₄ and Bi₂WO₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. RSC Advances, 2017, 7, 38682-38690.	3.6	73
126	Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. Applied Catalysis B: Environmental, 2017, 202, 112-117.	20.2	71

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127	1D metallic MoO2-C as co-catalyst on 2D g-C3N4 semiconductor to promote photocatlaytic hydrogen production. Applied Surface Science, 2018, 447, 732-739.	6.1	69
128	Improved photocatalytic activity of few-layer Bi4O5I2 nanosheets induced by efficient charge separation and lower valence position. Journal of Alloys and Compounds, 2017, 695, 922-930.	5.5	68
129	A multidimensional In₂S₃â€“CuInS₂ heterostructure for photocatalytic carbon dioxide reduction. Inorganic Chemistry Frontiers, 2018, 5, 3163-3169.	6.0	67
130	BiPO4 nanocrystal/BiOCl nanosheet heterojunction as the basis for a photoelectrochemical 4-chlorophenol sensor. Sensors and Actuators B: Chemical, 2019, 279, 466-475.	7.8	67
131	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. Applied Surface Science, 2014, 313, 1-9.	6.1	66
132	Facile preparation of TiO2/C3N4 hybrid materials with enhanced capacitive properties for high performance supercapacitors. Journal of Alloys and Compounds, 2017, 702, 178-185.	5.5	66
133	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2018, 519, 263-272.	9.4	66
134	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. Applied Catalysis B: Environmental, 2019, 243, 151-160.	20.2	66
135	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Grapheneâ€Analogous Boron Nitride as an Efficient Desulfurization Catalyst. Chemistry - A European Journal, 2015, 21, 15421-15427.	3.3	63
136	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. Journal of Colloid and Interface Science, 2016, 483, 241-248.	9.4	63
137	Novel magnetic BaFe12O19/g-C3N4 composites with enhanced thermocatalytic and photo-Fenton activity under visible-light. Journal of Alloys and Compounds, 2017, 710, 510-518.	5.5	63
138	Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. Journal of Materials Science, 2018, 53, 7621-7636.	3.7	63
139	ZnCo2O4 ultrathin nanosheets towards the high performance of flexible supercapacitors and bifunctional electrocatalysis. Journal of Alloys and Compounds, 2018, 764, 565-573.	5.5	63
140	MnCo₂S₄/FeCo₂S₄ â€œlollipopâ€•arrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 20778-20789.	10.3	63
141	An Fe-doped NiV LDH ultrathin nanosheet as a highly efficient electrocatalyst for efficient water oxidation. Inorganic Chemistry Frontiers, 2019, 6, 1890-1896.	6.0	61
142	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/Zn3In2S6 nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. Journal of Hazardous Materials, 2020, 384, 121480.	12.4	61
143	Band Gap Tunable Zn2SnO4 Nanocubes through Thermal Effect and Their Outstanding Ultraviolet Light Photoresponse. Scientific Reports, 2014, 4, 6847.	3.3	60
144	Tailoring Nâ€Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. Small, 2017, 13, 1701857.	10.0	60

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145	Defect-rich N-doped porous carbon derived from soybean for high rate lithium-ion batteries. Applied Surface Science, 2018, 451, 298-305.	6.1	60
146	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. Industrial & Engineering Chemistry Research, 2019, 58, 863-871.	3.7	60
147	Hierarchical porous boron nitride with boron vacancies for improved adsorption performance to antibiotics. Journal of Colloid and Interface Science, 2021, 584, 154-163.	9.4	60
148	Synthesis of zinc ferrite/silver iodide composite with enhanced photocatalytic antibacterial and pollutant degradation ability. Journal of Colloid and Interface Science, 2018, 528, 70-81.	9.4	58
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