

Yan Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4636104/publications.pdf>

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	Embedding partial sulfurization of iron-cobalt oxide nanoparticles into carbon nanofibers as an efficient electrode for the advanced asymmetric supercapacitor. <i>Tungsten</i> , 2023, 5, 118-129.	4.8	28
2	Electrospun CoSe@NC nanofiber membrane as an effective polysulfides adsorption-catalysis interlayer for Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 131911.	12.7	43
3	Insights into the efficient charge separation over Nb ₂ O ₅ /2D-C ₃ N ₄ heterostructure for exceptional visible-light driven H ₂ evolution. <i>Journal of Energy Chemistry</i> , 2022, 65, 548-555.	12.9	31
4	Porous silver microrods by plasma vulcanization activation for enhanced electrocatalytic carbon dioxide reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 793-799.	9.4	21
5	Heterogeneous cobalt polysulfide leaf-like array/carbon nanofiber composites derived from zeolite imidazole framework for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 728-735.	9.4	19
6	Synergistic effect of isolated Co and Fe dual active sites boosting the photocatalytic hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162290.	5.5	20
7	Modulating electronic structure of ternary NiMoV LDH nanosheet array induced by doping engineering to promote urea oxidation reaction. <i>Chemical Engineering Journal</i> , 2022, 430, 133100.	12.7	57
8	Ionic liquid-induced preparation of novel CNTs/PbBiO ₂ Cl nanosheet photocatalyst with boosted photocatalytic activity for the removal of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127894.	4.7	10
9	Unique Sill ^o -structured multimetal high entropy oxyhalide PbxCd _{1-x} BiO ₂ Br with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2022, 578, 151921.	6.1	3
10	Oxygen vacancies mediated Bi ₂ O ₃ /Bi ₂ Cl ₂ ultrathin nanobelts: Boosting molecular oxygen activation for efficient organic pollutants degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 23-32.	9.4	22
11	Optimizing the microstructure of carbon nano-honeycombs for high-energy sodium-ion capacitor. <i>Electrochimica Acta</i> , 2022, 403, 139675.	5.2	11
12	Dual modulation steering electron reducibility and transfer of bismuth molybdate nanoparticle to boost carbon dioxide photoreduction to carbon monoxide. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 518-526.	9.4	5
13	Ultrathin structure of oxygen doped carbon nitride for efficient CO ₂ photocatalytic reduction. <i>Nanotechnology</i> , 2022, 33, 115404.	2.6	10
14	CdBiO ₂ Br nanosheets in situ strong coupling to carbonized polymer dots and improved photocatalytic activity for organic pollutants degradation. <i>Chinese Chemical Letters</i> , 2022, 33, 5189-5195.	9.0	9
15	Aerobic ultra-deep desulfurization of diesel oil triggered by porous carbon supported organic molecular N-hydroxyphthalimide catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128455.	4.7	2
16	A bubble-assisted strategy to prepare porous ultrathin carbon nitride for highly-active photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2022, 904, 163788.	5.5	12
17	Gradually Anchoring N and Fe, Zn Atoms on Monodispersed Carbon Nanospheres: Their Contribution to the Oxygen Reduction Reaction under Analogous Structure. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7513-7522.	3.7	2
18	Photocatalytic oxidative of Keggin-type polyoxometalate ionic liquid for enhanced extractive desulfurization in binary deep eutectic solvents. <i>Chinese Journal of Chemical Engineering</i> , 2022, 44, 205-211.	3.5	6

#	ARTICLE	IF	CITATIONS
19	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO ₂ conversion. <i>Journal of CO₂ Utilization</i> , 2022, 59, 101957.	6.8	11
20	Multidimensional In ₂ O ₃ /In ₂ S ₃ heterojunction with lattice distortion for CO ₂ photoconversion. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1286-1294.	14.0	42
21	Synergy between plasmonic and sites on gold nanoparticle-modified bismuth-rich bismuth oxybromide nanotubes for the efficient photocatalytic C-C coupling synthesis of ethane. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 649-658.	9.4	18
22	VO ₂ uniformly supported by 3D g-C ₃ N ₄ : A highly effective catalyst for deep oxidative desulfurization. <i>Fuel</i> , 2022, 319, 123792.	6.4	6
23	Electronic state tuning over Mo-doped W ₁₈ O ₄₉ ultrathin nanowires with enhanced molecular oxygen activation for desulfurization. <i>Separation and Purification Technology</i> , 2022, 294, 121167.	7.9	15
24	Construction of 2D/2D Z-scheme MnO ₂ -x/g-C ₃ N ₄ photocatalyst for efficient nitrogen fixation to ammonia. <i>Green Energy and Environment</i> , 2021, 6, 538-545.	8.7	38
25	Sulfur promoted n- π^* electron transitions in thiophene-doped g-C ₃ N ₄ for enhanced photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2021, 42, 450-459.	14.0	87
26	A Janus cobalt nanoparticles and molybdenum carbide decorated N-doped carbon for high-performance overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 614-625.	9.4	53
27	Oxygen Vacancies Engineering-mediated BiOBr Atomic Layers for Boosting Visible Light-driven Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2021, 5, 2000480.	5.8	42
28	Novel ionic liquid modified carbon nitride fabricated by in situ pyrolysis of 1-butyl-3-methylimidazolium cyanamide to improve electronic structure for efficiently degradation of bisphenol A. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125648.	4.7	5
29	Strong coupled spinel oxide with N-rGO for high-efficiency ORR/OER bifunctional electrocatalyst of Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2021, 57, 428-435.	12.9	45
30	Construction 3D rod-like Bi _{3.64} Mo _{0.36} O _{6.55} /CuBi ₂ O ₄ photocatalyst for enhanced photocatalytic activity via a photo-Fenton-like Cu ²⁺ /Cu ⁺ redox cycle. <i>Separation and Purification Technology</i> , 2021, 254, 117546.	7.9	30
31	Hierarchical porous boron nitride with boron vacancies for improved adsorption performance to antibiotics. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 154-163.	9.4	60
32	Integration of double halogen atoms in atomically thin bismuth bromide: Mutative electronic structure steering charge carrier migration boosted broad-spectrum photocatalysis. <i>Applied Surface Science</i> , 2021, 541, 148477.	6.1	9
33	Construction of 2D/2D MoS ₂ /PbBiO ₂ Cl nanosheet photocatalysts with accelerated interfacial charge transfer for boosting visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125655.	4.7	14
34	Interface engineering in low-dimensional bismuth-based materials for photoreduction reactions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2662-2677.	10.3	32
35	Carbonized polymer dots modified ultrathin Bi ₂ O ₇ Cl ₂ nanosheets Z-scheme heterojunction for robust CO ₂ photoreduction. <i>Chemical Engineering Science</i> , 2021, 232, 116338.	3.8	48
36	Amorphous MoS nanoparticles grown on cobalt-iron-based needle-like array for high-performance flexible asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2021, 417, 127927.	12.7	26

#	ARTICLE	IF	CITATIONS
37	Realizing the synergistic effect of electronic modulation over graphitic carbon nitride for highly efficient photodegradation of bisphenol A and 2-mercaptobenzothiazole: Mechanism, degradation pathway and density functional theory calculation. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 113-127.	9.4	26
38	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. <i>Journal of Energy Chemistry</i> , 2021, 57, 109-117.	12.9	25
39	Aerobic Oxidative Desulfurization by Nanoporous Tungsten Oxide with Oxygen Defects. <i>ACS Applied Nano Materials</i> , 2021, 4, 1085-1093.	5.0	37
40	In situ preparation of Bi ₂ O ₃ /(BiO) ₂ CO ₃ composite photocatalyst with enhanced visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2021, 47, 1601-1613.	2.7	7
41	Plasma-induced black bismuth tungstate as a photon harvester for photocatalytic carbon dioxide conversion. <i>New Journal of Chemistry</i> , 2021, 45, 1993-2000.	2.8	11
42	Oxygen vacancies boosted the electrochemical kinetics of Nb ₂ O ₅ for superior lithium storage. <i>Chemical Communications</i> , 2021, 57, 8182-8185.	4.1	14
43	Tuning the Active Sites of Atomically Thin Defective Bi ₁₂ O ₁₇ Cl ₂ via Incorporation of Subnanometer Clusters. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9216-9223.	8.0	21
44	In situ Synthesis of MoS ₂ /BiOBr Material via Mechanical Ball Milling for Boosted Photocatalytic Degradation Pollutants Performance. <i>ChemistrySelect</i> , 2021, 6, 928-936.	1.5	11
45	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2828-2837.	3.7	13
46	Zinc-iron bimetallic-nitrogen doped porous carbon microspheres as efficient oxygen reduction electrocatalyst for zinc-air batteries. <i>Applied Surface Science</i> , 2021, 546, 148934.	6.1	15
47	Amorphous Bimetallic Phosphate@Carbon Precatalyst with Deep Self-Reconstruction toward Efficient Oxygen Evolution Reaction and Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5345-5355.	6.7	22
48	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , 2021, 67, e17280.	3.6	58
49	Ultrafast electron extraction by 2D carbon nitride modified with CoS cocatalyst for efficient photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126151.	4.7	14
50	A general strategy towards transition metal nitrides (TMNs)/rGO nanocomposites for superior lithium ion storage. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158968.	5.5	9
51	Accelerating photocatalytic hydrogen evolution of Ta ₂ O ₅ /g-C ₃ N ₄ via nanostructure engineering and surface assembly. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20516-20523.	7.1	11
52	Design of Nb ₂ O ₅ @rGO composites to optimize the lithium-ion storage performance. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158824.	5.5	23
53	Hierarchical Co ₃ S ₄ /CoS/MoS ₂ leaf-like nanoflakes array derived from Co-ZIF-L as an advanced anode for flexible supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159393.	5.5	35
54	Z-scheme 2D/2D g-C ₃ N ₄ /Sn ₃ O ₄ heterojunction for enhanced visible-light photocatalytic H ₂ evolution and degradation of ciprofloxacin. <i>Materials Science in Semiconductor Processing</i> , 2021, 129, 105767.	4.0	32

#	ARTICLE	IF	CITATIONS
55	Binary molten salts mediated defect engineering on hexagonal boron nitride catalyst with long-term stability for aerobic oxidative desulfurization. <i>Applied Surface Science</i> , 2021, 558, 149724.	6.1	13
56	The novel photo-Fenton-like few-layer MoS ₂ /FeVO ₄ composite for improved degradation activity under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126721.	4.7	27
57	Unique Dual-Sites Boosting Overall CO ₂ Photoconversion by Hierarchical Electron Harvesters. <i>Small</i> , 2021, 17, e2103796.	10.0	38
58	Accelerated Photoreduction of CO ₂ to CO over a Stable Heterostructure with a Seamless Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39523-39532.	8.0	47
59	Development of high performance alpha-Co(OH) ₂ /reduced graphene oxide microfilm for flexible in-sandwich and planar micro-supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 1-13.	9.4	19
60	Unique Z-scheme carbonized polymer dots/Bi ₄ O ₅ Br ₂ hybrids for efficiently boosting photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120182.	20.2	110
61	Highly dispersed tungsten-based quantum dots confined in porous channel induced by ionic liquid with remarkable desulfurization behavior. <i>Separation and Purification Technology</i> , 2021, , 119676.	7.9	2
62	In Situ Growth and Activation of Ag/Ag ₂ S Nanowire Clusters by H ₂ S Plasma Treatment for Promoted Electrocatalytic CO ₂ Reduction. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100256.	5.3	7
63	Exploring deep effects of atomic vacancies on activating CO ₂ photoreduction via rationally designing indium oxide photocatalysts. <i>Chemical Engineering Journal</i> , 2021, 422, 129888.	12.7	110
64	Construction of oxygen vacancy assisted Z-scheme BiO ₂ ^x /BiOBr heterojunction for LED light pollutants degradation and bacteria inactivation. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 344-357.	9.4	55
65	Carbon-mediated electron transfer channel between SnO ₂ QDs and g-C ₃ N ₄ for enhanced photocatalytic H ₂ production. <i>Chemical Engineering Journal</i> , 2021, 425, 131512.	12.7	18
66	Boosting the energy density of iron-cobalt oxide based hybrid supercapacitors by redox-additive electrolytes. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160886.	5.5	15
67	Fe ₂ TiO ₅ nanochains as anode for high-performance lithium-ion capacitor. <i>Rare Metals</i> , 2021, 40, 2424-2431.	7.1	41
68	<i>In-Situ</i> Grown Sheet-Like Nanostructure of NiCo ₂ S ₄ for High Performance Supercapacitors. <i>Science of Advanced Materials</i> , 2021, 13, 1065-1069.	0.7	4
69	Unraveling the effects of O-doping into h-BN on the adsorptive desulfurization performance by DFT calculations. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106463.	6.7	17
70	Construction of brown mesoporous carbon nitride with a wide spectral response for high performance photocatalytic H ₂ evolution. <i>Inorganic Chemistry Frontiers</i> , 2021, 9, 103-110.	6.0	17
71	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020, 382, 122812.	12.7	155
72	Promoting LED light driven photocatalytic inactivation of bacteria by novel Bi ₂ O ₃ @BiOBr core/shell photocatalyst. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152665.	5.5	47

#	ARTICLE	IF	CITATIONS
73	In situ construction efficient visible-light-driven three-dimensional Polypyrrole/Zn ₃ In ₂ S ₆ nanoflower to systematically explore the photoreduction of Cr(VI): Performance, factors and mechanism. Journal of Hazardous Materials, 2020, 384, 121480.	12.4	61
74	Short-time Thermal Oxidation of Ultrathin and Broadband Carbon Nitride for Efficient Photocatalytic H ₂ Generation. ChemCatChem, 2020, 12, 1169-1176.	3.7	7
75	Construction of ultrathin MoS ₂ /Bi ₅ O ₇ I composites: Effective charge separation and increased photocatalytic activity. Journal of Colloid and Interface Science, 2020, 560, 475-484.	9.4	35
76	Nitrogen-rich graphitic carbon nitride nanotubes for photocatalytic hydrogen evolution with simultaneous contaminant degradation. Journal of Colloid and Interface Science, 2020, 560, 555-564.	9.4	53
77	Synthesis of hierarchical porous BCN using ternary deep eutectic solvent as precursor and template for aerobic oxidative desulfurization. Microporous and Mesoporous Materials, 2020, 293, 109788.	4.4	33
78	Enhanced photocatalytic H ₂ evolution by deposition of metal nanoparticles into mesoporous structure of g-C ₃ N ₄ . Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124067.	4.7	21
79	Construction of MIL-125(Ti)/ZnIn ₂ S ₄ composites with accelerated interfacial charge transfer for boosting visible light photoreactivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124078.	4.7	34
80	In-situ synthesis strategy for CoM (M = Fe, Ni, Cu) bimetallic nanoparticles decorated N-doped 1D carbon nanotubes/3D porous carbon for electrocatalytic oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 815, 152470.	5.5	43
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	Enhanced photoelectrochemical sensing performance of graphitic carbon nitride by nitrogen vacancies engineering. Biosensors and Bioelectronics, 2020, 148, 111802.	10.1	43
83	Confined active species and effective charge separation in Bi ₄ O ₅ I ₂ ultrathin hollow nanotube with increased photocatalytic activity. Applied Catalysis B: Environmental, 2020, 268, 118403.	20.2	75
84	In-situ preparation of MIL-125(Ti)/Bi ₂ WO ₆ photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 387, 112149.	3.9	41
85	Direct Z-scheme photocatalyst for efficient water pollutant degradation: A case study of 2D g-C ₃ N ₄ /BiVO ₄ . Materials Chemistry and Physics, 2020, 241, 122308.	4.0	38
86	Macroscopic 3D boron nitride monolith for efficient adsorptive desulfurization. Fuel, 2020, 261, 116448.	6.4	34
87	Surface amorphous carbon doping of carbon nitride for efficient acceleration of electron transfer to boost photocatalytic activities. Applied Surface Science, 2020, 507, 145145.	6.1	19
88	Construction of polythiophene/Bi ₄ O ₅ I ₂ nanocomposites to promote photocatalytic degradation of bisphenol a. Journal of Alloys and Compounds, 2020, 823, 153773.	5.5	39
89	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. Applied Surface Science, 2020, 507, 145085.	6.1	17
90	Porous Fe ₂ O ₃ nanoparticles encapsulated within reduced graphene oxide as superior anode for lithium-ion battery. Nanotechnology, 2020, 31, 145404.	2.6	21

#	ARTICLE	IF	CITATIONS
91	An all-organic TPA-3CN/2D-C ₃ N ₄ heterostructure for high efficiency photocatalytic hydrogen evolution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124397.	4.7	10
92	Plasma treated Bi ₂ WO ₆ ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO ₂ reduction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 597-602.	6.0	77
93	Novel Z-scheme heterogeneous photo-Fenton-like g-C ₃ N ₄ /FeOCl for the pollutants degradation under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112343.	3.9	54
94	Roselle-like Zn ₂ Ti ₃ O ₈ /rGO nanocomposite as anode for lithium ion capacitor. <i>Chemical Engineering Journal</i> , 2020, 385, 123881.	12.7	31
95	Lipophilic decavanadate supported by three-dimensional porous carbon nitride catalyst for aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , 2020, 483, 110709.	2.0	12
96	Few Layer g-C ₃ N ₄ Dispersed Quaternary Phosphonium Ionic Liquid for Highly Efficient Catalytic Oxidative Desulfurization of Fuel. <i>Energy & Fuels</i> , 2020, 34, 12379-12387.	5.1	18
97	Plasma-induced defect engineering: Boosted the reverse water gas shift reaction performance with electron trap. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 814-821.	9.4	29
98	Deep eutectic solvent-induced high-entropy structures in boron nitride for boosted initiation of aerobic oxidative desulfurization of diesel. <i>Applied Surface Science</i> , 2020, 529, 146980.	6.1	16
99	Atomic-level active sites steering in ultrathin photocatalysts to trigger high efficiency nitrogen fixation. <i>Chemical Engineering Journal</i> , 2020, 402, 126208.	12.7	40
100	Theoretical prediction of F-doped hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 101, 107715.	2.4	11
101	Dispersing TiO ₂ Nanoparticles on Graphite Carbon for an Enhanced Catalytic Oxidative Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18471-18479.	3.7	33
102	Constructing a CeO ₂ @CoFe-layered double hydroxide heterostructure as an improved electrocatalyst for highly efficient water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4461-4468.	6.0	38
103	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21434-21454.	10.3	84
104	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42739-42748.	8.0	14
105	Space-Confined Yolk-Shell Construction of Fe ₃ O ₄ Nanoparticles Inside N-Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Long-Term Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2005834.	14.9	119
106	Construction of NH ₂ -MIL-125(Ti) nanoplates modified Bi ₂ WO ₆ microspheres with boosted visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2020, 46, 3311-3326.	2.7	20
107	Construction of NH ₂ -MIL-125(Ti)/Bi ₂ WO ₆ composites with accelerated charge separation for degradation of organic contaminants under visible light irradiation. <i>Green Energy and Environment</i> , 2020, 5, 203-213.	8.7	43
108	Revealing the role of oxygen vacancies in bimetallic PbBiO ₂ Br atomic layers for boosting photocatalytic CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119170.	20.2	77

#	ARTICLE	IF	CITATIONS
109	High-entropy oxide stabilized molybdenum oxide via high temperature for deep oxidative desulfurization. <i>Applied Materials Today</i> , 2020, 20, 100680.	4.3	24
110	Strong electronic coupled FeNi ₃ /Fe ₂ (MoO ₄) ₃ nanohybrids for enhancing the electrocatalytic activity for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2791-2798.	6.0	5
111	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119245.	20.2	90
112	Graphene Oxide-Loaded SnO ₂ Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H ₂ S Gas Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 6385-6393.	5.0	25
113	Oxygen-Defective TiNb ₂ O ₇ Nanochains with Enlarged Lattice Spacing for High-Rate Lithium Ion Capacitor. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000705.	3.7	25
114	Construction of Mn valence-engineered MnO ₂ /BiOCl heterojunction coupled with carriers-trapping effect for enhanced photoelectrochemical lincomycin aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128415.	7.8	24
115	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. <i>Green Energy and Environment</i> , 2020, 5, 166-172.	8.7	83
116	Construction of 2D-2D V ₂ O ₅ /BNNS nanocomposites for improved aerobic oxidative desulfurization performance. <i>Fuel</i> , 2020, 270, 117498.	6.4	35
117	Charge steering in ultrathin 2D nanomaterials for photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12928-12950.	10.3	44
118	Preparation of magnetically recoverable and Z-scheme BaFe ₁₂ O ₁₉ /AgBr composite for degradation of 2-Mercaptobenzothiazole and Methyl orange under visible light. <i>Applied Surface Science</i> , 2020, 521, 146343.	6.1	19
119	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118760.	20.2	147
120	In situ confinement growth of peasecod-like N-doped carbon nanotubes encapsulate bimetallic FeCu alloy as a bifunctional oxygen reaction cathode electrocatalyst for sustainable energy batteries. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154152.	5.5	43
121	Mechanical exfoliation of boron carbide: A metal-free catalyst for aerobic oxidative desulfurization in fuel. <i>Journal of Hazardous Materials</i> , 2020, 391, 122183.	12.4	41
122	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , 2020, 387, 124138.	12.7	75
123	Porous defective carbon nitride obtained by a universal method for photocatalytic hydrogen production from water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 171-182.	9.4	39
124	Carbon nitride mediated strong metal-support interactions in a Au/TiO ₂ catalyst for aerobic oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1212-1219.	6.0	17
125	Accelerating the Hole Mobility of Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution via 2D/2D Heterojunction Structural Advantages and Ni(OH) ₂ Characteristic. <i>Solar Rrl</i> , 2020, 4, 1900538.	5.8	28
126	Construction of nitrogen and phosphorus co-doped graphene quantum dots/Bi ₅ O ₇ I composites for accelerated charge separation and enhanced photocatalytic degradation performance. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1230-1239.	14.0	30

#	ARTICLE	IF	CITATIONS
127	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118936.	20.2	135
128	Cr-doped CoFe layered double hydroxides: Highly efficient and robust bifunctional electrocatalyst for the oxidation of water and urea. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118959.	20.2	210
129	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , 2020, 394, 124831.	12.7	123
130	Ionic liquid induced mechanochemical synthesis of BiOBr ultrathin nanosheets at ambient temperature with superior visible-light-driven photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 131-139.	9.4	32
131	Synthesis of carbon nitride supported amphiphilic phosphotungstic acid based ionic liquid for deep oxidative desulfurization of fuels. <i>Journal of Molecular Liquids</i> , 2020, 308, 113059.	4.9	26
132	Manganese-Modulated Cobalt-Based Layered Double Hydroxide Grown on Nickel Foam with 1D-2D-3D Heterostructure for Highly Efficient Oxygen Evolution Reaction and Urea Oxidation Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 9382-9388.	3.3	34
133	Molten salt -boiling-synthesis of surface decorated bimetallic-nitrogen doped carbon hollow nanospheres: An oxygen reduction catalyst with dense active sites and high stability. <i>Chemical Engineering Journal</i> , 2020, 395, 125064.	12.7	24
134	A novel carbon quantum dots (CQDs) modified Cs ₄ PW ₁₁ O ₃₉ Fe(III)(H ₂ O) material to achieve high photocatalytic property. <i>Functional Materials Letters</i> , 2020, 13, 2051022.	1.2	6
135	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. <i>Journal of Hazardous Materials</i> , 2020, 396, 122659.	12.4	36
136	One-step Mechanical Synthesis of Oxygen-defect Modified Ultrathin Bi ₁₂ O ₁₇ Br ₂ Nanosheets for Boosting Photocatalytic Activity. <i>ChemistrySelect</i> , 2020, 5, 11177-11184.	1.5	9
137	Smart in situ construction of NiS/MoS ₂ composite nanosheets with ultrahigh specific capacity for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151915.	5.5	39
138	MnCo ₂ S ₄ /FeCo ₂ S ₄ -lollipop-arrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20778-20789.	10.3	63
139	Constructing Schottky junction between 2D semiconductor and metallic nickel phosphide for highly efficient catalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019, 495, 143528.	6.1	35
140	Advanced asymmetric supercapacitor based on molybdenum trioxide decorated nickel cobalt oxide nanosheets and three-dimensional 1-FeOOH/rGO. <i>Electrochimica Acta</i> , 2019, 320, 134580.	5.2	28
141	Preparation of oxygen-deficient 2D WO ₃ -x nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. <i>Journal of Materials Science</i> , 2019, 54, 12463-12475.	3.7	23
142	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS ₂ atomic layer nanosheet modified mesoporous graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18906-18914.	10.3	44
143	Electrospun Fe, N co-doped porous carbon nanofibers with Fe ₄ N species as a highly efficient oxygen reduction catalyst for rechargeable zinc-air batteries. <i>Applied Surface Science</i> , 2019, 492, 417-425.	6.1	20
144	Construction of NH ₂ -UiO-66/BiOBr composites with boosted photocatalytic activity for the removal of contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123625.	4.7	85

#	ARTICLE	IF	CITATIONS
145	CQDs modified PbBiO ₂ Cl nanosheets with improved molecular oxygen activation ability for photodegradation of organic contaminants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111921.	3.9	17
146	Molybdenum-containing dendritic mesoporous silica spheres for fast oxidative desulfurization in fuel. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 451-458.	6.0	45
147	Controllable synthesis of uniform mesoporous H-Nb ₂ O ₅ /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 693-703.	10.3	86
148	Two-dimensional carbon nitride-based composites for photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30935-30948.	7.1	25
149	Construction of cobaltous oxide/nickel-iron oxide electrodes with great cycle stability and high energy density for advanced asymmetry supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21219-21228.	2.2	7
150	Novel Cobalt-Iron-Vanadium Layered Double Hydroxide Nanosheet Arrays for Superior Water Oxidation Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16828-16834.	6.7	52
151	Tailoring of crystalline structure of carbon nitride for superior photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 324-334.	9.4	20
152	Crafting nanosheet-built MnCo ₂ S ₄ disks on robust N-doped carbon matrix for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 323, 134770.	5.2	23
153	A label-free photoelectrochemical aptasensor for tetracycline based on Au/BiOI composites. <i>Inorganic Chemistry Communication</i> , 2019, 109, 107557.	3.9	13
154	Scalable Synthesis of Micromesoporous Iron-Nitrogen-Doped Carbon as Highly Active and Stable Oxygen Reduction Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39263-39273.	8.0	38
155	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H ₂ Evolution. <i>ACS Nano</i> , 2019, 13, 11294-11302.	14.6	109
156	NiCo ₂ O ₄ ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. <i>Applied Surface Science</i> , 2019, 478, 552-559.	6.1	123
157	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5209-5213.	10.3	89
158	Cryo-mediated liquid-phase exfoliated 2D BP coupled with 2D C ₃ N ₄ to photodegrade organic pollutants and simultaneously generate hydrogen. <i>Applied Surface Science</i> , 2019, 490, 117-123.	6.1	26
159	Ultrathin g-C ₃ N ₄ with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 530-539.	9.4	112
160	Porous Nb ₄ N ₅ /rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24114-24121.	8.0	31
161	Novel CNT/PbBiO ₂ Br hybrid materials with enhanced broad spectrum photocatalytic activity toward ciprofloxacin (CIP) degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111901.	3.9	31
162	Construction of 3D Hierarchical GO/MoS ₂ /g-C ₃ N ₄ Ternary Nanocomposites with Enhanced Visible-Light Photocatalytic Degradation Performance. <i>ChemistrySelect</i> , 2019, 4, 7123-7133.	1.5	16

#	ARTICLE	IF	CITATIONS
163	In-situ preparation of iron(II) phthalocyanine modified bismuth oxybromide with enhanced visible-light photocatalytic activity and mechanism insight. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 336-345.	4.7	32
164	Colorful nanostructured TiO ₂ film with superhydrophobic and superhydrophilic switchable wettability and anti-fouling property. <i>Journal of Alloys and Compounds</i> , 2019, 798, 257-266.	5.5	36
165	An Fe-doped NiV LDH ultrathin nanosheet as a highly efficient electrocatalyst for efficient water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1890-1896.	6.0	61
166	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019, 21, 3074-3080.	9.0	151
167	NiCo alloy nanoparticles encapsulated in multi-dimensional N-doped carbon architecture as efficient bifunctional catalyst for rechargeable zinc-air batteries. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1041-1049.	5.5	39
168	Reactable ionic liquid in situ-induced synthesis of Fe ₃ O ₄ nanoparticles modified N-doped hollow porous carbon microtubes for boosting multifunctional electrocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2019, 797, 849-858.	5.5	34
169	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO ₂ Br for robust CO ₂ photoreduction. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 551-559.	20.2	91
170	Tuning interfacial electronic properties of carbon nitride as an efficient catalyst for ultra-deep oxidative desulfurization of fuels. <i>Molecular Catalysis</i> , 2019, 468, 100-108.	2.0	25
171	Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. <i>Chemical Engineering Journal</i> , 2019, 370, 944-951.	12.7	54
172	High-performance electrolytic oxygen evolution with a seamless armor core-shell FeCoNi oxynitride. <i>Nanoscale</i> , 2019, 11, 7239-7246.	5.6	28
173	Preparation of highly dispersed WO ₃ /few layer g-C ₃ N ₄ and its enhancement of catalytic oxidative desulfurization activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 250-258.	4.7	49
174	Fabrication of magnetic BaFe ₁₂ O ₁₉ /Ag ₃ PO ₄ composites with an in situ photo-Fenton-like reaction for enhancing reactive oxygen species under visible light irradiation. <i>Catalysis Science and Technology</i> , 2019, 9, 2563-2570.	4.1	30
175	Ionic liquid immobilized on magnetic mesoporous microspheres with rough surface: Application as recyclable amphiphilic catalysts for oxidative desulfurization. <i>Applied Surface Science</i> , 2019, 484, 1027-1034.	6.1	34
176	Sn-based deep eutectic solvents assisted synthesis of Sn and SnO ₂ supported hexagonal boron nitrides for adsorptive desulfurization. <i>Chemical Engineering Research and Design</i> , 2019, 144, 11-18.	5.6	21
177	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 84-94.	20.2	300
178	A ternary cobalt-molybdenum-vanadium layered double hydroxide nanosheet array as an efficient bifunctional electrocatalyst for overall water splitting. <i>Chemical Communications</i> , 2019, 55, 3521-3524.	4.1	121
179	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25203-25226.	10.3	90
180	A composite prepared from BiOBr and gold nanoparticles with electron sink and hot-electron donor properties for photoelectrochemical aptasensing of tetracycline. <i>Mikrochimica Acta</i> , 2019, 186, 794.	5.0	23

#	ARTICLE	IF	CITATIONS
181	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 612-620.	9.4	77
182	Construction of MnO ₂ /Monolayer g-C ₃ N ₄ with Mn vacancies for Z-scheme overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 452-460.	20.2	252
183	Construction of novel CNT/LaVO ₄ nanostructures for efficient antibiotic photodegradation. <i>Chemical Engineering Journal</i> , 2019, 357, 487-497.	12.7	158
184	Lawn-like FeCo ₂ S ₄ hollow nanoneedle arrays on flexible carbon nanofiber film as binder-free electrodes for high-performance asymmetric pseudocapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 772, 337-347.	5.5	52
185	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 239-247.	9.4	106
186	Conjugated conducting polymers PANI decorated Bi ₁₂ O ₁₇ Cl ₂ photocatalyst with extended light response range and enhanced photoactivity. <i>Applied Surface Science</i> , 2019, 464, 552-561.	6.1	76
187	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 863-871.	3.7	60
188	Ni _x Co _{3-3x} O ₄ Nanoneedle Arrays Grown on Ni Foam as an Efficient Bifunctional Electrocatalyst for Full Water Splitting. <i>Chemistry - an Asian Journal</i> , 2019, 14, 480-485.	3.3	21
189	Partially etched Bi ₂ O ₂ CO ₃ by metal chloride for enhanced reactive oxygen species generation: A tale of two strategies. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 325-333.	20.2	45
190	Partial Oxidation of Sn ²⁺ Induced Oxygen Vacancy Overspread on the Surface of SnO ₂ /g-C ₃ N ₄ Composites for Enhanced LED-Light-Driven Photoactivity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 765-775.	3.7	13
191	One-step synthesis of Fe-doped surface-alkalinized g-C ₃ N ₄ and their improved visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 469, 739-746.	6.1	103
192	Highly Efficient Adsorption of Oils and Pollutants by Porous Ultrathin Oxygen-Modified BCN Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3234-3242.	6.7	14
193	Novel broad spectrum light responsive PPy/hexagonal-SnS ₂ photocatalyst for efficient photoreduction of Cr(VI). <i>Materials Research Bulletin</i> , 2019, 112, 226-235.	5.2	35
194	O ₂ Activation and Oxidative Dehydrogenation of Propane on Hexagonal Boron Nitride: Mechanism Revisited. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2256-2266.	3.1	42
195	Constructing Pd/2D-C ₃ N ₄ composites for efficient photocatalytic H ₂ evolution through nonplasmon-induced bound electrons. <i>Applied Surface Science</i> , 2019, 467-468, 151-157.	6.1	78
196	Pseudocapacitive performance of binder-free nanostructured TT-Nb ₂ O ₅ /FTO electrode in aqueous electrolyte. <i>Nanotechnology</i> , 2019, 30, 025401.	2.6	7
197	Magnetic supported ionic liquid catalysts with tunable pore volume for enhanced deep oxidative desulfurization. <i>Journal of Molecular Liquids</i> , 2019, 274, 293-299.	4.9	36
198	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe ₂ . <i>Applied Catalysis B: Environmental</i> , 2019, 243, 330-336.	20.2	105

#	ARTICLE	IF	CITATIONS
199	Enhanced long-wavelength light utilization with polyaniline/bismuth-rich bismuth oxyhalide composite towards photocatalytic degradation of antibiotics. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 101-111.	9.4	53
200	Three dimensional polyaniline/MgIn ₂ S ₄ nanoflower photocatalysts accelerated interfacial charge transfer for the photoreduction of Cr(VI), photodegradation of organic pollution and photocatalytic H ₂ production. <i>Chemical Engineering Journal</i> , 2019, 360, 1601-1612.	12.7	142
201	Construction of 2D SnS ₂ /g-C ₃ N ₄ Z-scheme composite with superior visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 467-468, 56-64.	6.1	79
202	Rational Design of Porous TiO ₂ @N-Doped Carbon for High Rate Lithium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800911.	3.8	7
203	BiPO ₄ nanocrystal/BiOCl nanosheet heterojunction as the basis for a photoelectrochemical 4-chlorophenol sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 466-475.	7.8	67
204	In-situ preparation of NH ₂ -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 525-534.	6.1	113
205	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 151-160.	20.2	66
206	Enhanced photocatalytic activity of ternary Ag ₃ PO ₄ /GO/g-C ₃ N ₄ photocatalysts for Rhodamine B degradation under visible light radiation. <i>Applied Surface Science</i> , 2019, 466, 70-77.	6.1	81
207	Construction of a few-layer g-C ₃ N ₄ /I ₂ -MoO ₃ nanoneedles all-solid-state Z-scheme photocatalytic system for photocatalytic degradation. <i>Journal of Energy Chemistry</i> , 2019, 29, 65-71.	12.9	54
208	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. <i>Materials Today</i> , 2018, 21, 749-770.	14.2	228
209	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 263-272.	9.4	66
210	NiMoO ₄ nanorod deposited carbon sponges with ant-nest-like interior channels for high-performance pseudocapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1594-1601.	6.0	31
211	Controlled growth of ultrathin NiMoO ₄ nanosheets on carbon nanofiber membrane as advanced electrodes for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 753, 176-185.	5.5	40
212	Graphene quantum dots modified Ag ₃ PO ₄ for facile synthesis and the enhanced photocatalytic performance. <i>Journal of the Chinese Advanced Materials Society</i> , 2018, 6, 255-269.	0.7	8
213	Boron defect engineering in boron nitride nanosheets with improved adsorptive desulfurization performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 383-389.	5.8	36
214	0D/2D Fe ₂ O ₃ quantum dots/g-C ₃ N ₄ for enhanced visible-light-driven photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 541, 188-194.	4.7	54
215	Controlled preparation of MoS ₂ /PbBiO ₂ I hybrid microspheres with enhanced visible-light photocatalytic behaviour. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 278-287.	9.4	38
216	Different Morphologies of SnS ₂ Supported on 2D g-C ₃ N ₄ for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5132-5141.	6.7	125

#	ARTICLE	IF	CITATIONS
217	Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. <i>Journal of Materials Science</i> , 2018, 53, 7621-7636.	3.7	63
218	A Hierarchical Z-scheme $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ Hybrid for Enhanced Photocatalytic CO_2 Reduction. <i>Advanced Materials</i> , 2018, 30, 1706108.	21.0	761
219	Facile aqueous synthesis of $\text{Bi}_4\text{O}_5\text{Br}_2$ nanosheets for improved visible-light photocatalytic activity. <i>Ceramics International</i> , 2018, 44, 5392-5401.	4.8	36
220	Fabrication of Z-scheme magnetic $\text{MoS}_2/\text{CoFe}_2\text{O}_4$ nanocomposites with highly efficient photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 664-674.	9.4	82
221	Low cost and facile preparation of robust multifunctional coatings with self-healing superhydrophobicity and high conductivity. <i>Composites Science and Technology</i> , 2018, 156, 177-185.	7.8	44
222	3D hierarchical CMF/MoSe ₂ composite foam as highly efficient electrocatalyst for hydrogen evolution. <i>Electrochimica Acta</i> , 2018, 263, 94-101.	5.2	30
223	Defect-rich N-doped porous carbon derived from soybean for high rate lithium-ion batteries. <i>Applied Surface Science</i> , 2018, 451, 298-305.	6.1	60
224	An accurate empirical method to predict the adsorption strength for π -orbital contained molecules on two dimensional materials. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 82, 93-100.	2.4	25
225	Rational construction of a 3D hierarchical $\text{NiCo}_2\text{O}_4/\text{PANI}/\text{MF}$ composite foam as a high-performance electrode for asymmetric supercapacitors. <i>Chemical Communications</i> , 2018, 54, 4160-4163.	4.1	56
226	1D metallic $\text{MoO}_2\text{-C}$ as co-catalyst on 2D $\text{g-C}_3\text{N}_4$ semiconductor to promote photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2018, 447, 732-739.	6.1	69
227	A sensitive signal-on photoelectrochemical sensor for tetracycline determination using visible-light-driven flower-like CN/BiOBr composites. <i>Biosensors and Bioelectronics</i> , 2018, 111, 74-81.	10.1	115
228	Solvothermal synthesis of metallic 1T-WS ₂ : A supporting co-catalyst on carbon nitride nanosheets toward photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018, 335, 282-289.	12.7	161
229	Novel Ag_2S quantum dot modified 3D flower-like SnS_2 composites for photocatalytic and photoelectrochemical applications. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 63-72.	6.0	43
230	Silicotungstic acid immobilized on lamellar hexagonal boron nitride for oxidative desulfurization of fuel components. <i>Fuel</i> , 2018, 213, 12-21.	6.4	55
231	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of $\text{Bi}_4\text{O}_5\text{I}_2$ towards bisphenol a removal. <i>Chemical Engineering Journal</i> , 2018, 331, 355-363.	12.7	111
232	Facile preparation of monolayer NiO thin film for high performance THF sensor. <i>Journal of the Chinese Advanced Materials Society</i> , 2018, 6, 1-7.	0.7	1
233	Construction of molybdenum dioxide nanosheets coated on the surface of nickel ferrite nanocrystals with ultrahigh specific capacity for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2018, 260, 439-448.	5.2	27
234	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched $\text{Co}_x\text{Fe}_y\text{O}_4/\text{BiOBr}$ photocatalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 551-561.	4.1	22

#	ARTICLE	IF	CITATIONS
235	Constructing magnetic catalysts with in-situ solid-liquid interfacial photo-Fenton-like reaction over Ag ₃ PO ₄ @NiFe ₂ O ₄ composites. Applied Catalysis B: Environmental, 2018, 225, 40-50.	20.2	175
236	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
237	Size controllable preparation of sphere-based monolayer CdS thin films for white-light photodetectors. Ceramics International, 2018, 44, 2407-2412.	4.8	20
238	2D heterostructure comprised of metallic 1T-MoS ₂ /Monolayer O-g-C ₃ N ₄ towards efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 220, 379-385.	20.2	231
239	A multidimensional In ₂ S ₃ –CuInS ₂ heterostructure for photocatalytic carbon dioxide reduction. Inorganic Chemistry Frontiers, 2018, 5, 3163-3169.	6.0	67
240	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. Industrial & Engineering Chemistry Research, 2018, 57, 17394-17400.	3.7	76
241	In-situ diagnosis on performance degradation of high temperature polymer electrolyte membrane fuel cell by examining its electrochemical properties under operation. International Journal of Hydrogen Energy, 2018, 43, 21006-21016.	7.1	33
242	Tip-welded ferric-cobalt sulfide hollow nanoneedles on highly conductive carbon fibers for advanced asymmetric supercapacitors. Electrochimica Acta, 2018, 292, 157-167.	5.2	10
243	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
244	Controllable synthesized heterostructure photocatalyst Mo ₂ C@C/2D g-C ₃ N ₄ : enhanced catalytic performance for hydrogen production. Dalton Transactions, 2018, 47, 14706-14712.	3.3	41
245	Hierarchical FeCo ₂ S ₄ Nanotube Arrays Deposited on 3D Carbon Foam as Binder-free Electrodes for High-performance Asymmetric Pseudocapacitors. Chemistry - an Asian Journal, 2018, 13, 3212-3221.	3.3	24
246	Two-Dimensional Mn-Co LDH/Graphene Composite towards High-Performance Water Splitting. Catalysts, 2018, 8, 350.	3.5	27
247	Defect-rich Bi ₁₂ O ₁₇ Cl ₂ Nanotubes Self-accelerating Charge Separation for Boosting Photocatalytic CO ₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 14847-14851.	13.8	329
248	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. Fuel, 2018, 230, 104-112.	6.4	97
249	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
250	Bismuth vacancy mediated single unit cell Bi ₂ WO ₆ nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	20.2	173
251	Nature-based catalyst for visible-light-driven photocatalytic CO ₂ reduction. Energy and Environmental Science, 2018, 11, 2382-2389.	30.8	198
252	ZnCo ₂ O ₄ ultrathin nanosheets towards the high performance of flexible supercapacitors and bifunctional electrocatalysis. Journal of Alloys and Compounds, 2018, 764, 565-573.	5.5	63

#	ARTICLE	IF	CITATIONS
253	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1801983.	14.9	472
254	Exploitation of a photoelectrochemical sensing platform for catechol quantitative determination using BiPO ₄ nanocrystals/BiOI heterojunction. <i>Analytica Chimica Acta</i> , 2018, 1042, 11-19.	5.4	25
255	Graphene-Analogue Boron Nitride Modified Bismuth Oxyiodide with Increased Visible-Light Photocatalytic Performance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800146.	1.8	2
256	Enhanced reactive oxygen species activation for building carbon quantum dots modified Bi ₅ O ₇ I nanorod composites and optimized visible-light-response photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 727-737.	9.4	34
257	Multifunctional C-Doped CoFe ₂ O ₄ Material as Cocatalyst to Promote Reactive Oxygen Species Generation over Magnetic Recyclable CoFe/AgX Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11968-11978.	6.7	42
258	Paper-derived cobalt and nitrogen co-doped carbon nanotube@porous carbon as a nonprecious metal electrocatalyst for the oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2018, 39, 790-799.	14.0	27
259	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. <i>Chinese Chemical Letters</i> , 2018, 29, 805-810.	9.0	80
260	Interfacial self-assembly of monolayer Mg-doped NiO honeycomb structured thin film with enhanced performance for gas sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11498-11508.	2.2	18
261	Designing Visible-Light-Driven Z-scheme Catalyst 2D g-C ₃ N ₄ /Bi ₂ MoO ₆ : Enhanced Photodegradation Activity of Organic Pollutants. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800520.	1.8	19
262	Synthesis of WO ₃ /mesoporous ZrO ₂ catalyst as a high-efficiency catalyst for catalytic oxidation of dibenzothiophene in diesel. <i>Journal of Materials Science</i> , 2018, 53, 15927-15938.	3.7	35
263	Exploitation of a photoelectrochemical sensing platform for bisphenol A quantitative determination using Cu/graphitic carbon nitride nanocomposites. <i>Chinese Chemical Letters</i> , 2018, 29, 1629-1632.	9.0	9
264	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. <i>Green Chemistry</i> , 2018, 20, 4453-4460.	9.0	128
265	Activated boron nitride ultrathin nanosheets for enhanced adsorption desulfurization performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 245-252.	5.3	18
266	N-CQDs accelerating surface charge transfer of Bi ₄ O ₅ I ₂ hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1033-1043.	20.2	112
267	Highly Efficient Visible-Light-Driven Schottky Catalyst MoN/2D g-C ₃ N ₄ for Hydrogen Production and Organic Pollutants Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8863-8870.	3.7	35
268	Ultrathin 2D Photocatalysts: Electronic Structure Tailoring, Hybridization, and Applications. <i>Advanced Materials</i> , 2018, 30, 1704548.	21.0	409
269	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C ₃ N ₄ : facile synthesis and the enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 38-46.	9.4	74
270	Improved photocatalytic activity of few-layer Bi ₄ O ₅ I ₂ nanosheets induced by efficient charge separation and lower valence position. <i>Journal of Alloys and Compounds</i> , 2017, 695, 922-930.	5.5	68

#	ARTICLE	IF	CITATIONS
271	Facile preparation of TiO ₂ /C ₃ N ₄ hybrid materials with enhanced capacitive properties for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 702, 178-185.	5.5	66
272	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 429-437.	20.2	238
273	Morphology controlled preparation of ZnCo ₂ O ₄ nanostructures for asymmetric supercapacitor with ultrahigh energy density. <i>Energy</i> , 2017, 123, 296-304.	8.8	177
274	Metal-free boron nitride adsorbent for ultra-deep desulfurization. <i>AIChE Journal</i> , 2017, 63, 3463-3469.	3.6	51
275	A Waterborne Coating System for Preparing Robust, Self-healing, Superamphiphobic Surfaces. <i>Advanced Functional Materials</i> , 2017, 27, 1604261.	14.9	273
276	Graphene-like boron nitride anchored Brønsted acid ionic liquids as metal-free catalyst for advanced oxidation process. <i>Molecular Catalysis</i> , 2017, 436, 53-59.	2.0	27
277	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. <i>Applied Surface Science</i> , 2017, 413, 372-380.	6.1	111
278	Reversible Formation of g-C ₃ N ₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-temperature Gas Sensing Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1700653.	14.9	90
279	Design of 3D WO ₃ /h-BN nanocomposites for efficient visible-light-driven photocatalysis. <i>RSC Advances</i> , 2017, 7, 25160-25170.	3.6	31
280	High Efficiency Photocatalytic Water Splitting Using 2D Fe ₂ O ₃ /g-C ₃ N ₄ Z-scheme Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700025.	19.5	664
281	Nickel-cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. <i>Dalton Transactions</i> , 2017, 46, 8372-8376.	3.3	120
282	High-Performance Hydrogen Storage Nanoparticles Inside Hierarchical Porous Carbon Nanofibers with Stable Cycling. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15502-15509.	8.0	20
283	A Z-scheme magnetic recyclable Ag/AgBr@CoFe ₂ O ₄ photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <i>RSC Advances</i> , 2017, 7, 30845-30854.	3.6	40
284	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. <i>Nature Communications</i> , 2017, 8, 15291.	12.8	200
285	Enhancing reactive oxygen species generation and photocatalytic performance via adding oxygen reduction reaction catalysts into the photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 174-185.	20.2	82
286	Kinetics and mechanism of enhanced photocatalytic activity employing ZnS nanospheres/graphene-like C ₃ N ₄ . <i>Molecular Catalysis</i> , 2017, 438, 103-112.	2.0	18
287	Assembled and isolated Bi ₅ O ₇ I nanowires with good photocatalytic activities. <i>CrystEngComm</i> , 2017, 19, 2113-2125.	2.6	34
288	Novel magnetic BaFe ₁₂ O ₁₉ /g-C ₃ N ₄ composites with enhanced thermocatalytic and photo-Fenton activity under visible-light. <i>Journal of Alloys and Compounds</i> , 2017, 710, 510-518.	5.5	63

#	ARTICLE	IF	CITATIONS
289	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017, 35, 79-91.	16.0	179
290	Double regulation of bismuth and halogen source for the preparation of bismuth oxybromide nanosquares with enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 25-32.	9.4	6
291	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <i>Carbon</i> , 2017, 114, 601-607.	10.3	86
292	Eliminating micro-porous layer from gas diffusion electrode for use in high temperature polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2017, 341, 302-308.	7.8	42
293	Tailoring N-terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , 2017, 13, 1701857.	10.0	60
294	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , 2017, 2, 5385-5394.	3.5	86
295	Transparent smart surface with pH-induced wettability transition between superhydrophobicity and underwater superoleophobicity. <i>Materials and Design</i> , 2017, 135, 69-76.	7.0	27
296	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017, 41, 172-192.	16.0	413
297	Controllable Synthesis of Ultrathin NiCo ₂ O ₄ Nanosheets Incorporated onto Composite Nanotubes for Efficient Oxygen Reduction. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2426-2433.	3.3	13
298	Construction and preparation of novel 2D metal-free few-layer BN modified graphene-like g-C ₃ N ₄ with enhanced photocatalytic performance. <i>Dalton Transactions</i> , 2017, 46, 11250-11258.	3.3	54
299	Novel mesoporous graphitic carbon nitride modified PbBiO ₂ Br porous microspheres with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 310-322.	9.4	31
300	Facile preparation of NiFe ₂ O ₄ /MoS ₂ composite material with synergistic effect for high performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 726, 608-617.	5.5	83
301	Biomass willow catkin-derived Co ₃ O ₄ /N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20170-20179.	10.3	102
302	Tuning electronic properties of boron nitride nanoplate via doping carbon for enhanced adsorptive performance. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 121-128.	9.4	37
303	Design and Synthesis of Hierarchical SiO ₂ @C/TiO ₂ Hollow Spheres for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29982-29991.	8.0	90
304	Hydrothermal synthesis of mpg-C ₃ N ₄ and Bi ₂ WO ₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. <i>RSC Advances</i> , 2017, 7, 38682-38690.	3.6	73
305	Low-crystalline mesoporous CoFe ₂ O ₄ /C composite with oxygen vacancies for high energy density asymmetric supercapacitors. <i>RSC Advances</i> , 2017, 7, 55513-55522.	3.6	55
306	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14144-14151.	10.3	107

#	ARTICLE	IF	CITATIONS
307	Controllable synthesis of perovskite-like PbBiO_2Cl hollow microspheres with enhanced photocatalytic activity for antibiotic removal. <i>CrystEngComm</i> , 2017, 19, 4777-4788.	2.6	28
308	La^{3+} doped BiOBr microsphere with enhanced visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 513, 160-167.	4.7	55
309	Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 112-117.	20.2	71
310	Polyoxometalate-based ionic liquid supported on graphite carbon induced solvent-free ultra-deep oxidative desulfurization of model fuels. <i>Fuel</i> , 2017, 190, 1-9.	6.4	98
311	Asymmetric Supercapacitors: Preparation of $\text{MnCo}_2\text{O}_4 @ \text{Ni}(\text{OH})_2$ Core-Shell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance (<i>Adv. Funct. Mater.</i> 23/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4038-4038.	14.9	9
312	Preparation of $\text{MnCo}_2\text{O}_4 @ \text{Ni}(\text{OH})_2$ Core-Shell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance. <i>Advanced Functional Materials</i> , 2016, 26, 4085-4093.	14.9	517
313	Deep oxidative desulfurization with a microporous hexagonal boron nitride confining phosphotungstic acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 207-215.	4.8	51
314	Construction of a 2D Graphene-Like $\text{MoS}_2/\text{C}_3\text{N}_4$ Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 4764-4773.	3.3	149
315	Ionic liquid-assisted strategy for bismuth-rich bismuth oxybromides nanosheets with superior visible light-driven photocatalytic removal of bisphenol-A. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 112-119.	9.4	43
316	$\text{Bi}_4\text{O}_5\text{Br}_2$ ultrasmall nanosheets in situ strong coupling to MWCNT and improved photocatalytic activity for tetracycline hydrochloride degradation. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 331-341.	4.8	52
317	Graphitic carbon nitride/ BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 241-248.	9.4	63
318	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10766-10770.	13.8	271
319	Recent progress in hollow sphere-based electrodes for high-performance supercapacitors. <i>Nanotechnology</i> , 2016, 27, 342001.	2.6	43
320	A silver on 2D white- C_3N_4 support photocatalyst for mechanistic insights: synergetic utilization of plasmonic effect for solar hydrogen evolution. <i>RSC Advances</i> , 2016, 6, 112420-112428.	3.6	30
321	Novel magnetic $\text{CoFe}_2\text{O}_4/\text{Ag}/\text{Ag}_3\text{VO}_4$ composites: Highly efficient visible light photocatalytic and antibacterial activity. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 11-22.	20.2	211
322	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , 2016, 27, 138-146.	16.0	379
323	Boron Nitride Mesoporous Nanowires with Doped Oxygen Atoms for the Remarkable Adsorption Desulfurization Performance from Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4457-4464.	6.7	95
324	Photoelectrochemical sensing of 4-chlorophenol based on Au/BiOCl nanocomposites. <i>Talanta</i> , 2016, 156-157, 257-264.	5.5	40

#	ARTICLE	IF	CITATIONS
325	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi ₄ O ₅ I ₂ nanomaterials and enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 324-333.	9.4	51
326	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , 2016, 62, 2087-2100.	3.6	192
327	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <i>Carbon</i> , 2016, 98, 613-623.	10.3	123
328	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. <i>Green Chemistry</i> , 2016, 18, 3040-3047.	9.0	79
329	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , 2016, 32, 2075-2084.	3.5	136
330	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5051-5061.	10.3	126
331	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. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 144-153.	20.2	415
332	Synthesis of supported SiW ₁₂ O ₄₀ -based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2016, 288, 608-617.	12.7	113
333	BN nanosheets modified WO ₃ photocatalysts for enhancing photocatalytic properties under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 660, 48-54.	5.5	55
334	Three-dimensionally ordered macroporous WO ₃ modified Ag ₃ PO ₄ with enhanced visible light photocatalytic performance. <i>Ceramics International</i> , 2016, 42, 1392-1398.	4.8	27
335	Advanced photocatalytic performance of graphene-like BN modified BiOBr flower-like materials for the removal of pollutants and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 254-262.	20.2	294
336	Reactable ionic liquid assisted synthesis of BiPO ₄ and the influences of solvent on structure, morphology and photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 110-117.	4.7	23
337	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2016, 52, 144-147.	4.1	206
338	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 260-269.	20.2	380
339	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Graphene-Analogous Boron Nitride as an Efficient Desulfurization Catalyst. <i>Chemistry - A European Journal</i> , 2015, 21, 15421-15427.	3.3	63
340	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12738-12747.	10.3	126
341	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi ₂ MoO ₆ . <i>Nanoscale</i> , 2015, 7, 11433-11443.	5.6	306
342	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 57960-57967.	3.6	110

#	ARTICLE	IF	CITATIONS
343	Synthesis of g-C ₃ N ₄ at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. RSC Advances, 2015, 5, 101552-101562.	3.6	175
344	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. Green Chemistry, 2015, 17, 1647-1656.	9.0	167
345	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. RSC Advances, 2015, 5, 26281-26290.	3.6	51
346	Synthesis of magnetic CoFe ₂ O ₄ /g-C ₃ N ₄ 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
347	One-Step Self-Assembly Fabrication of High Quality Ni _x Mg _{1-x} O Bowl-shaped Array Film and Its Enhanced Photocurrent by Mg ²⁺ Doping. Advanced Functional Materials, 2015, 25, 3256-3263.	14.9	13
348	Preparation of magnetic Ag/AgCl/CoFe ₂ O ₄ composites with high photocatalytic and antibacterial ability. RSC Advances, 2015, 5, 41475-41483.	3.6	32
349	Microwave-assisted synthesis of few-layered MoS ₂ /BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. CrystEngComm, 2015, 17, 3645-3651.	2.6	57
350	Synthesis and characterization of BN/Bi ₂ WO ₆ composite photocatalysts with enhanced visible-light photocatalytic activity. RSC Advances, 2015, 5, 88832-88840.	3.6	41
351	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
352	A core-shell structured magnetic Ag/AgBr@Fe ₂ O ₃ composite with enhanced photocatalytic activity for organic pollutant degradation and antibacterium. RSC Advances, 2015, 5, 71035-71045.	3.6	41
353	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
354	g-C ₃ N ₄ modified Bi ₂ O ₃ composites with enhanced visible-light photocatalytic activity. Journal of Physics and Chemistry of Solids, 2015, 76, 112-119.	4.0	105
355	Ionic liquid extraction and catalytic oxidative desulfurization of fuels using dialkylpiperidinium tetrachloroferrates catalysts. Chemical Engineering Journal, 2014, 250, 48-54.	12.7	116
356	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu ²⁺ . Nanoscale, 2014, 6, 1406-1415.	5.6	351
357	CNT/Ag ₃ PO ₄ composites with highly enhanced visible light photocatalytic activity and stability. Chemical Engineering Journal, 2014, 241, 35-42.	12.7	114
358	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu ²⁺ . Journal of Materials Chemistry A, 2014, 2, 2563.	10.3	330
359	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
360	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS ₂ coupled BiOBr microspheres. Dalton Transactions, 2014, 43, 15429-15438.	3.3	133

#	ARTICLE	IF	CITATIONS
361	Preparation of TiO ₂ /g-C ₃ N ₄ composites and their application in photocatalytic oxidative desulfurization. <i>Ceramics International</i> , 2014, 40, 11627-11635.	4.8	142
362	In situ oxidation synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl/g-C ₃ N ₄ and its activity. <i>Ceramics International</i> , 2014, 40, 9293-9301.	4.8	92
363	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. <i>Applied Surface Science</i> , 2014, 313, 1-9.	6.1	66
364	Preparation of sphere-like g-C ₃ N ₄ /BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5340.	10.3	439
365	Band Gap Tunable Zn ₂ SnO ₄ Nanocubes through Thermal Effect and Their Outstanding Ultraviolet Light Photoresponse. <i>Scientific Reports</i> , 2014, 4, 6847.	3.3	60
366	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C ₃ N ₄ with enhanced visible-light photocatalytic ability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 474-483.	4.7	89
367	A g-C ₃ N ₄ /BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 19624.	3.6	162
368	Eu ³⁺ , Tb ³⁺ /f ² -diketonate functionalized mesoporous SBA-15/GaN composites: Multi-component chemical bonding assembly, characterization, and luminescence. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 145-153.	9.4	13
369	A novel visible-light-response plasmonic photocatalyst CNT/Ag/AgBr and its photocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5821.	2.8	91
370	Visible-light-induced WO ₃ /g-C ₃ N ₄ composites with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2013, 42, 8606.	3.3	445
371	Novel visible-light-driven AgX/graphite-like C ₃ N ₄ (X=Br, I) hybrid materials with synergistic photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 182-193.	20.2	595
372	The CNT modified white C ₃ N ₄ composite photocatalyst with enhanced visible-light response photoactivity. <i>Dalton Transactions</i> , 2013, 42, 7604.	3.3	226
373	Rare earth hybrid materials of organically modified silica covalently bonded to a GaN matrix: multicomponent assembly and multi-color luminescence. <i>Dalton Transactions</i> , 2012, 41, 5334.	3.3	16
374	Photoluminescent Properties of Novel Rare Earth Organic-Inorganic Nanocomposite with TiO ₂ Modified Silica via Double Crosslinking Units. <i>Photochemistry and Photobiology</i> , 2012, 88, 21-31.	2.5	15
375	Sol-gel preparation, microstructure and luminescence of rare earth/silica/polyacrylamide hybrids through double functionalized covalent Si-O linkage. <i>RSC Advances</i> , 2011, 1, 1064.	3.6	20
376	Self-Assembly and Enhanced Photocatalytic Properties of BiOI Hollow Microspheres via a Reactable Ionic Liquid. <i>Langmuir</i> , 2011, 27, 1200-1206.	3.5	228
377	Novel Photofunctional Multicomponent Rare Earth (Eu ³⁺ , Tb ³⁺ , Sm ³⁺ and Dy ³⁺) Hybrids with Double Crosslinking Siloxane Covalently Bonding SiO ₂ /ZnS Nanocomposite. <i>Photochemistry and Photobiology</i> , 2011, 87, 757-765.	2.5	13
378	Oxidative desulfurization of fuel catalyzed by metal-based surfactant-type ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2011, 347, 8-14.	4.8	92

#	ARTICLE	IF	CITATIONS
379	Europium hybrids/SiO ₂ /semiconductor: Multi-component sol-gel composition, characterization and photoluminescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 222, 351-359.	3.9	10
380	Sol-gel preparation and luminescence of RE ₃ BO ₆ : Dy ³⁺ (RE=Al, Y, Gd) microparticles with hybrid precursors. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 905-910.	2.2	2
381	Solid state synthesis, microstructure and photoluminescence of Eu ³⁺ and Tb ³⁺ activated strontium tungstate. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1040-1045.	2.2	19
382	Commercially available molybdic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. <i>Green Chemistry</i> , 2008, 10, 641.	9.0	214
383	Exploring the Limit of Accuracy of the Global Hybrid Meta Density Functional for Main-Group Thermochemistry, Kinetics, and Noncovalent Interactions. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 1849-1868.	5.3	956
384	Steering Hole Transfer from the Light Absorber to Oxygen Evolution Sites for Photocatalytic Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 0, , 2101158.	3.7	4