Hua-ming Li

List of Publications by Year
in descending order

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		2963	7136
394	31,067	93	153
papers	citations	h-index	g-index

395	395	395	18985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hierarchical Zâ€'Scheme Î±â€Fe₂O₃/gâ€C₃N₄ Hybrid for Enhanced Photocatalytic CO₂ Reduction. Advanced Materials, 2018, 30, 1706108.	11.1	761
2	High Efficiency Photocatalytic Water Splitting Using 2D Î±â€Fe₂O₃/gâ€C₃N₄ Zâ€Scheme Catalysts. Advanced Energy Materials, 2017, 7, 1700025.	10.2	664
3	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.	10.8	595
4	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.	10.8	486
5	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. Advanced Functional Materials, 2018, 28, 1801983.	7.8	472
6	Visible-light-induced WO3/g-C3N4 composites with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 8606.	1.6	445
7	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.	5.2	439
8	Bismuth oxyhalide layered materials for energy and environmental applications. Nano Energy, 2017, 41, 172-192.	8.2	413
9	Ultrathin 2D Photocatalysts: Electronicâ€Structure Tailoring, Hybridization, and Applications. Advanced Materials, 2018, 30, 1704548.	11.1	409
10	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.	10.8	380
11	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. Nano Energy, 2016, 27, 138-146.	8.2	379
12	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.	2.8	351
13	Defectâ€Rich Bi₁₂O₁₇Cl₂ Nanotubes Selfâ€Accelerating Charge Separation for Boosting Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 14847-14851.	7.2	329
14	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	5.8	327
15	Defectâ€Tailoring Mediated Electronâ€"Hole Separation in Singleâ€Unitâ€Cell Bi₃O₄Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. Advanced Materials, 2019, 31, e1807576.	11.1	311
16	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.	4.0	302
17	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. Applied Catalysis B: Environmental, 2018, 225, 154-161.	10.8	296
18	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.	10.8	294

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19	Controlled Gas Exfoliation of Boron Nitride into Fewâ€Layered Nanosheets. Angewandte Chemie - International Edition, 2016, 55, 10766-10770.	7.2	271
20	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2019, 256, 117854.	10.8	271
21	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.	2.3	253
22	Construction of MnO2/Monolayer g-C3N4 with Mn vacancies for Z-scheme overall water splitting. Applied Catalysis B: Environmental, 2019, 241, 452-460.	10.8	252
23	Atomically-thin Bi2MoO6 nanosheets with vacancy pairs for improved photocatalytic CO2 reduction. Nano Energy, 2019, 61, 54-59.	8.2	243
24	Deep oxidative desulfurization of dibenzothiophene with POM-based hybrid materials in ionic liquids. Chemical Engineering Journal, 2013, 220, 328-336.	6.6	240
25	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. Dalton Transactions, 2011, 40, 5249.	1.6	236
26	One-pot extraction combined with metal-free photochemical aerobic oxidative desulfurization in deep eutectic solvent. Green Chemistry, 2015, 17, 2464-2472.	4.6	232
27	2D heterostructure comprised of metallic 1T-MoS2/Monolayer O-g-C3N4 towards efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 220, 379-385.	10.8	231
28	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. Materials Today, 2018, 21, 749-770.	8.3	228
29	Synthesis and characterization of g-C3N4/MoO3 photocatalyst with improved visible-light photoactivity. Applied Surface Science, 2013, 283, 25-32.	3.1	227
30	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.	10.8	211
31	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.	10.8	210
32	Application of graphene-like layered molybdenum disulfide and its excellent adsorption behavior for doxycycline antibiotic. Chemical Engineering Journal, 2014, 243, 60-67.	6.6	207
33	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. Chemical Communications, 2016, 52, 144-147.	2.2	206
34	Controllable synthesis of Bi₄O₅Br₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. Journal of Materials Chemistry A, 2015, 3, 15108-15118.	5.2	202
35	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. Nature Communications, 2017, 8, 15291.	5.8	200
36	Nature-based catalyst for visible-light-driven photocatalytic CO₂ reduction. Energy and Environmental Science, 2018, 11, 2382-2389.	15.6	198

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37	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.	5.2	196
38	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. AICHE Journal, 2016, 62, 2087-2100.	1.8	192
39	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. Nano Energy, 2017, 35, 79-91.	8.2	179
40	Polyoxometalate-based ionic liquids as catalysts for deep desulfurization of fuels. Fuel Processing Technology, 2011, 92, 1842-1848.	3.7	178
41	Morphology controlled preparation of ZnCo 2 O 4 nanostructures for asymmetric supercapacitor with ultrahigh energy density. Energy, 2017, 123, 296-304.	4.5	177
42	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.	10.8	175
43	Pyridinium-based temperature-responsive magnetic ionic liquid for oxidative desulfurization of fuels. Chemical Engineering Journal, 2013, 229, 250-256.	6.6	174
44	Bismuth vacancy mediated single unit cell Bi2WO6 nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	10.8	173
45	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. Green Chemistry, 2015, 17, 1647-1656.	4.6	167
46	Graphene-Analogue Hexagonal BN Supported with Tungsten-based Ionic Liquid for Oxidative Desulfurization of Fuels. ACS Sustainable Chemistry and Engineering, 2015, 3, 186-194.	3.2	167
47	A g-C3N4/BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. RSC Advances, 2013, 3, 19624.	1.7	162
48	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.	6.6	161
49	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C3N4 hybridized Î±-Fe2O3 hollow microspheres with enhanced supercapacitive performance. Journal of Power Sources, 2014, 245, 866-874.	4.0	159
50	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. Carbon, 2016, 107, 1-10.	5.4	159
51	Synthesis of g-C3N4/Ag3VO4 composites with enhanced photocatalytic activity under visible light irradiation. Chemical Engineering Journal, 2015, 271, 96-105.	6.6	158
52	Construction of novel CNT/LaVO4 nanostructures for efficient antibiotic photodegradation. Chemical Engineering Journal, 2019, 357, 487-497.	6.6	158
53	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. Chemical Engineering Journal, 2020, 382, 122812.	6.6	155
54	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. Green Chemistry, 2019, 21, 3074-3080.	4.6	151

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55	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.	1.7	149
56	In-situ hydroxyl modification of monolayer black phosphorus for stable photocatalytic carbon dioxide conversion. Applied Catalysis B: Environmental, 2020, 269, 118760.	10.8	147
57	Heteropolyanion-Based Ionic Liquid for Deep Desulfurization of Fuels in Ionic Liquids. Industrial & Engineering Chemistry Research, 2010, 49, 8998-9003.	1.8	144
58	Preparation of TiO2/g-C3N4 composites and their application in photocatalytic oxidative desulfurization. Ceramics International, 2014, 40, 11627-11635.	2.3	142
59	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.	6.6	142
60	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30786-30792.	4.0	140
61	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. Langmuir, 2016, 32, 2075-2084.	1.6	136
62	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. Applied Catalysis B: Environmental, 2020, 271, 118936.	10.8	135
63	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. Applied Catalysis B: Environmental, 2016, 188, 376-387.	10.8	131
64	Novel heterogeneous iron-based redox ionic liquid supported on SBA-15 for deep oxidative desulfurization of fuels. Chemical Engineering Journal, 2015, 266, 213-221.	6.6	130
65	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. Green Chemistry, 2018, 20, 4453-4460.	4.6	128
66	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. Journal of Materials Chemistry A, 2015, 3, 12738-12747.	5.2	126
67	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.	5.2	126
68	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.	3.2	125
69	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.	5.4	123
70	NiCo2O4 ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. Applied Surface Science, 2019, 478, 552-559.	3.1	123
71	Synergistic effect of dual BrÃ¸nsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. Chemical Engineering Journal, 2020, 394, 124831.	6.6	123
72	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.	2.2	121

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73	Nickelâ€“cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. Dalton Transactions, 2017, 46, 8372-8376.	1.6	120
74	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.	7.8	119
75	Ionic liquid extraction and catalytic oxidative desulfurization of fuels using dialkylpiperidinium tetrachloroferrates catalysts. Chemical Engineering Journal, 2014, 250, 48-54.	6.6	116
76	Copper nanoparticles advance electron mobility of graphene-like boron nitride for enhanced aerobic oxidative desulfurization. Chemical Engineering Journal, 2016, 301, 123-131.	6.6	115
77	Synthesis of supported SiW12O40-based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. Chemical Engineering Journal, 2016, 288, 608-617.	6.6	113
78	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.	3.1	113
79	N-CQDs accelerating surface charge transfer of Bi4O5I2 hollow nanotubes with broad spectrum photocatalytic activity. Applied Catalysis B: Environmental, 2018, 237, 1033-1043.	10.8	112
80	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. RSC Advances, 2014, 4, 14281.	1.7	111
81	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.	3.1	111
82	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.	6.6	111
83	Magnetic g-C₃N₄/NiFe₂O₄ hybrids with enhanced photocatalytic activity. RSC Advances, 2015, 5, 57960-57967.	1.7	110
84	Boosting aerobic oxidative desulfurization performance in fuel oil via strong metal-edge interactions between Pt and h-BN. Chemical Engineering Journal, 2020, 380, 122526.	6.6	108
85	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	5.2	107
86	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. Journal of Colloid and Interface Science, 2019, 534, 239-247.	5.0	106
87	Rapid gas-assisted exfoliation promises V2O5 nanosheets for high performance lithium-sulfur batteries. Nano Energy, 2020, 67, 104253.	8.2	106
88	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.	10.8	105
89	One-pot synthesis, characterization and desulfurization of functional mesoporous W-MCM-41 from POM-based ionic liquids. Chemical Engineering Journal, 2014, 243, 386-393.	6.6	104
90	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.	5.2	102

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91	Ionic liquid-induced strategy for porous perovskite-like PbBiO2Br photocatalysts with enhanced photocatalytic activity and mechanism insight. Applied Catalysis B: Environmental, 2017, 206, 127-135.	10.8	101
92	Temperature-responsive ionic liquid extraction and separation of the aromatic sulfur compounds. Fuel, 2015, 140, 590-596.	3.4	100
93	Polyoxometalate-based ionic liquid supported on graphite carbon induced solvent-free ultra-deep oxidative desulfurization of model fuels. Fuel, 2017, 190, 1-9.	3.4	98
94	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. Fuel, 2018, 230, 104-112.	3.4	97
95	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.	3.2	95
96	Ultrathin structured photocatalysts: A versatile platform for CO2 reduction. Applied Catalysis B: Environmental, 2019, 256, 117788.	10.8	94
97	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.	10.8	91
98	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. Journal of Materials Chemistry A, 2019, 7, 25203-25226.	5.2	90
99	Direct Z-scheme red carbon nitride/rod-like lanthanum vanadate composites with enhanced photodegradation of antibiotic contaminants. Applied Catalysis B: Environmental, 2020, 277, 119245.	10.8	90
100	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. Journal of Materials Chemistry A, 2019, 7, 5209-5213.	5.2	89
101	A DFT Study of the Extractive Desulfurization Mechanism by [BMIM]⁺[AlCl₄]^{â^'} Ionic Liquid. Journal of Physical Chemistry B, 2015, 119, 5995-6009.	1.2	88
102	Synthesis of metal-based ionic liquid supported catalyst and its application in catalytic oxidative desulfurization of fuels. Fuel, 2014, 136, 358-365.	3.4	87
103	Sulfur promoted n-Ï€* electron transitions in thiophene-doped g-C3N4 for enhanced photocatalytic activity. Chinese Journal of Catalysis, 2021, 42, 450-459.	6.9	87
104	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. Carbon, 2017, 114, 601-607.	5.4	86
105	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. ACS Omega, 2017, 2, 5385-5394.	1.6	86
106	Controllable synthesis of uniform mesoporous H-Nb₂O₅/rGO nanocomposites for advanced lithium ion hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 693-703.	5.2	86
107	Visible-light-driven Ag/AgBr/ZnFe2O4 composites with excellent photocatalytic activity for E. coli disinfection and organic pollutant degradation. Journal of Colloid and Interface Science, 2018, 512, 555-566.	5.0	84
108	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. Journal of Materials Chemistry A, 2020, 8, 21434-21454.	5.2	84

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109	Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. Applied Catalysis B: Environmental, 2021, 281, 119475.	10.8	84
110	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. Green Energy and Environment, 2020, 5, 166-172.	4.7	83
111	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.	10.8	82
112	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. Electrochimica Acta, 2018, 259, 873-881.	2.6	81
113	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.	3.1	81
114	Theoretical evidence of charge transfer interaction between SO₂and deep eutectic solvents formed by choline chloride and glycerol. Physical Chemistry Chemical Physics, 2015, 17, 28729-28742.	1.3	80
115	An Allâ€Organic Dâ€A System for Visibleâ€Lightâ€Driven Overall Water Splitting. Small, 2020, 16, e2003914.	5.2	80
116	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. Energy & Fuels, 2016, 30, 8164-8170.	2.5	79
117	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. Green Chemistry, 2016, 18, 3040-3047.	4.6	79
118	Graphene quantum dots modified flower like Bi2WO6 for enhanced photocatalytic nitrogen fixation. Journal of Colloid and Interface Science, 2019, 557, 498-505.	5.0	78
119	Enhanced Oxygen Activation Achieved by Robust Single Chromium Atom-Derived Catalysts in Aerobic Oxidative Desulfurization. ACS Catalysis, 2022, 12, 8623-8631.	5.5	78
120	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.	5.0	77
121	Plasma treated Bi₂WO₆ ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO₂ reduction. Inorganic Chemistry Frontiers, 2020, 7, 597-602.	3.0	77
122	Revealing the role of oxygen vacancies in bimetallic PbBiO2Br atomic layers for boosting photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2020, 277, 119170.	10.8	77
123	AgInS2/In2S3 heterostructure sensitization of Escherichia coli for sustainable hydrogen production. Nano Energy, 2018, 46, 234-240.	8.2	76
124	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. Industrial & Engineering Chemistry Research, 2018, 57, 17394-17400.	1.8	76
125	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. Inorganic Chemistry Frontiers, 2018, 5, 2964-2970.	3.0	76
126	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. ACS Sustainable Chemistry and Engineering, 2017, 5, 8930-8938.	3.2	75

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127	Confined active species and effective charge separation in Bi4O5I2 ultrathin hollow nanotube with increased photocatalytic activity. Applied Catalysis B: Environmental, 2020, 268, 118403.	10.8	75
128	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. Chemical Engineering Journal, 2020, 387, 124138.	6.6	75
129	Hydrothermal synthesis of mpg-C₃N₄ and Bi₂WO₆ nest-like structure nanohybrids with enhanced visible light photocatalytic activities. RSC Advances, 2017, 7, 38682-38690.	1.7	73
130	Dynamically-generated TiO2 active site on MXene Ti3C2: Boosting reactive desulfurization. Chemical Engineering Journal, 2021, 416, 129022.	6.6	73
131	Synthesis of mesoporous WO₃/TiO₂ catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. New Journal of Chemistry, 2017, 41, 569-578.	1.4	72
132	Polyoxometalate-Based Poly(ionic liquid) as a Precursor for Superhydrophobic Magnetic Carbon Composite Catalysts toward Aerobic Oxidative Desulfurization. ACS Sustainable Chemistry and Engineering, 2019, 7, 15755-15761.	3.2	72
133	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.	10.8	71
134	Silver Nanoparticle-Decorated Boron Nitride with Tunable Electronic Properties for Enhancement of Adsorption Performance. ACS Sustainable Chemistry and Engineering, 2018, 6, 4948-4957.	3.2	71
135	1D metallic MoO2-C as co-catalyst on 2D g-C3N4 semiconductor to promote photocatlaytic hydrogen production. Applied Surface Science, 2018, 447, 732-739.	3.1	69
136	In situ fabrication of hollow silica confined defective molybdenum oxide for enhanced catalytic oxidative desulfurization of diesel fuels. Fuel, 2021, 305, 121470.	3.4	69
137	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.	2.8	68
138	Ionic liquid assisted synthesis and photocatalytic properties of Î±-Fe2O3 hollow microspheres. Dalton Transactions, 2013, 42, 6468.	1.6	67
139	A multidimensional In₂S₃â€“CuInS₂ heterostructure for photocatalytic carbon dioxide reduction. Inorganic Chemistry Frontiers, 2018, 5, 3163-3169.	3.0	67
140	Improving the photocatalytic activity and stability of graphene-like BN/AgBr composites. Applied Surface Science, 2014, 313, 1-9.	3.1	66
141	Facile synthesis of amphiphilic polyoxometalate-based ionic liquid supported silica induced efficient performance in oxidative desulfurization. Journal of Molecular Catalysis A, 2015, 406, 23-30.	4.8	66
142	Facile preparation of TiO2/C3N4 hybrid materials with enhanced capacitive properties for high performance supercapacitors. Journal of Alloys and Compounds, 2017, 702, 178-185.	2.8	66
143	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.	10.8	66
144	Deep oxidative desulfurization of dibenzothiophene using low-temperature-mediated titanium dioxide catalyst in ionic liquids. Fuel, 2015, 159, 446-453.	3.4	65

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145	Steering charge transfer for boosting photocatalytic H2 evolution: Integration of two-dimensional semiconductor superiorities and noble-metal-free Schottky junction effect. Applied Catalysis B: Environmental, 2019, 245, 477-485.	10.8	64
146	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.	1.7	63
147	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. Journal of Colloid and Interface Science, 2016, 483, 241-248.	5.0	63
148	Oxidative desulfurization of fuels promoted by choline chloride-based deep eutectic solvents. Journal of Molecular Catalysis A, 2016, 424, 261-268.	4.8	63
149	Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. Journal of Materials Science, 2018, 53, 7621-7636.	1.7	63
150	ZnCo2O4 ultrathin nanosheets towards the high performance of flexible supercapacitors and bifunctional electrocatalysis. Journal of Alloys and Compounds, 2018, 764, 565-573.	2.8	63
151	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.	5.2	63
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