

# Cheng Yan

## List of Publications by Year in descending order

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388  
papers

26,088  
citations

5558

82  
h-index

10127

140  
g-index

390  
all docs

390  
docs citations

390  
times ranked

18961  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hierarchical ZrO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Hybrid for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Advanced Materials</i> , 2018, 30, 1706108.	11.1	761
2	High Efficiency Photocatalytic Water Splitting Using 2D ZrO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> ZrO <sub>2</sub> Scheme Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700025.	10.2	664
3	Novel visible-light-driven CQDs/Bi <sub>2</sub> WO <sub>6</sub> hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 51-61.	10.8	486
4	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1801983.	7.8	472
5	Preparation of sphere-like g-C <sub>3</sub> N <sub>4</sub> /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.	5.2	439
6	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017, 41, 172-192.	8.2	413
7	Ultrathin 2D Photocatalysts: Electronic Structure Tailoring, Hybridization, and Applications. <i>Advanced Materials</i> , 2018, 30, 1704548.	11.1	409
8	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.	10.8	380
9	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. <i>Nano Energy</i> , 2016, 27, 138-146.	8.2	379
10	Electrochemical CO <sub>2</sub> Reduction with Atomic Iron Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018, 8, 1703487.	10.2	369
11	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 <sup>2+</sup> . <i>Journal of Materials Chemistry A</i> , 2014, 2, 2563.	5.2	330
12	Defect-Rich Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14847-14851.	7.2	329
13	Isolated single atom cobalt in Bi <sub>3</sub> O <sub>4</sub> Br atomic layers to trigger efficient CO <sub>2</sub> photoreduction. <i>Nature Communications</i> , 2019, 10, 2840.	5.8	327
14	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit Cell Bi <sub>3</sub> O <sub>4</sub> Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. <i>Advanced Materials</i> , 2019, 31, e1807576.	11.1	311
15	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10766-10770.	7.2	271
16	Porous nitrogen-rich g-C <sub>3</sub> N <sub>4</sub> nanotubes for efficient photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117854.	10.8	271
17	MoS <sub>2</sub> /TiO <sub>2</sub> Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1600464.	10.2	264
18	Synthesis of magnetic CoFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 478, 71-80.	2.3	253

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19	Atomically-thin Bi <sub>2</sub> MoO <sub>6</sub> nanosheets with vacancy pairs for improved photocatalytic CO <sub>2</sub> reduction. <i>Nano Energy</i> , 2019, 61, 54-59.	8.2	243
20	One-pot extraction combined with metal-free photochemical aerobic oxidative desulfurization in deep eutectic solvent. <i>Green Chemistry</i> , 2015, 17, 2464-2472.	4.6	232
21	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. <i>Materials Today</i> , 2018, 21, 749-770.	8.3	228
22	Commercially available molybdic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. <i>Green Chemistry</i> , 2008, 10, 641.	4.6	214
23	Construction of core-shell heterojunction regulating $\hat{\Gamma}$ -Fe <sub>2</sub> O <sub>3</sub> layer on CeO <sub>2</sub> nanotube arrays enables highly efficient Z-scheme photoelectrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119138.	10.8	210
24	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.	2.2	206
25	Controllable synthesis of Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15108-15118.	5.2	202
26	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. <i>Nature Communications</i> , 2017, 8, 15291.	5.8	200
27	Nature-based catalyst for visible-light-driven photocatalytic CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , 2018, 11, 2382-2389.	15.6	198
28	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15864-15874.	5.2	196
29	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , 2020, 3, 1442-1476.	5.0	196
30	Oxidative Desulfurization of Fuels Catalyzed by Peroxotungsten and Peroxomolybdenum Complexes in Ionic Liquids. <i>Energy &amp; Fuels</i> , 2007, 21, 2514-2516.	2.5	195
31	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , 2016, 62, 2087-2100.	1.8	192
32	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017, 35, 79-91.	8.2	179
33	Synthesis of g-C <sub>3</sub> N <sub>4</sub> at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. <i>RSC Advances</i> , 2015, 5, 101552-101562.	1.7	175
34	Facile fabrication of the visible-light-driven Bi <sub>2</sub> WO <sub>6</sub> /BiOBr composite with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 82-90.	1.7	174
35	Bismuth vacancy mediated single unit cell Bi <sub>2</sub> WO <sub>6</sub> nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 119-125.	10.8	173
36	Synthesis and characterization of CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composites with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 22269.	1.7	170

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37	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. <i>Green Chemistry</i> , 2015, 17, 1647-1656.	4.6	167
38	A g-C <sub>3</sub> N <sub>4</sub> /BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 19624.	1.7	162
39	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , 2016, 107, 1-10.	5.4	159
40	Emerging surface strategies on graphitic carbon nitride for solar driven water splitting. <i>Chemical Engineering Journal</i> , 2020, 382, 122812.	6.6	155
41	Deep oxidative desulfurization of fuels in redox ionic liquids based on iron chloride. <i>Green Chemistry</i> , 2009, 11, 810.	4.6	152
42	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019, 21, 3074-3080.	4.6	151
43	Construction of a 2D Graphene-Like MoS <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 4764-4773.	1.7	149
44	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30786-30792.	4.0	140
45	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.	1.6	136
46	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.	4.6	128
47	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12738-12747.	5.2	126
48	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.	5.2	126
49	Different Morphologies of SnS <sub>2</sub> Supported on 2D g-C <sub>3</sub> N <sub>4</sub> for Excellent and Stable Visible Light Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5132-5141.	3.2	125
50	Space-Constrained Yolk-Shell Construction of Fe <sub>3</sub> O <sub>4</sub> 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.	7.8	119
51	Phosphotungstic Acid Immobilized on Ionic Liquid-Modified SBA-15: Efficient Hydrophobic Heterogeneous Catalyst for Oxidative Desulfurization in Fuel. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 19895-19904.	1.8	118
52	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO <sub>2</sub> reduction. <i>Nano Energy</i> , 2021, 79, 105429.	8.2	117
53	Deep oxidative desulfurization of fuels by Fenton-like reagent in ionic liquids. <i>Green Chemistry</i> , 2009, 11, 1801.	4.6	115
54	Catalytic oxidative desulfurization with a hexatungstate/aqueous H <sub>2</sub> O <sub>2</sub> /ionic liquid emulsion system. <i>Green Chemistry</i> , 2011, 13, 1210.	4.6	115

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55	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.	5.3	115
56	In-situ preparation of NH <sub>2</sub> -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 525-534.	3.1	113
57	N-CQDs accelerating surface charge transfer of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1033-1043.	10.8	112
58	Ultrathin g-C <sub>3</sub> N <sub>4</sub> with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 530-539.	5.0	112
59	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 14281.	1.7	111
60	Magnetic g-C <sub>3</sub> N <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 57960-57967.	1.7	110
61	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H <sub>2</sub> Evolution. <i>ACS Nano</i> , 2019, 13, 11294-11302.	7.3	109
62	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO <sub>2</sub> Photoreduction. <i>Advanced Energy Materials</i> , 2021, 11, 2102389.	10.2	109
63	Controllable Synthesis of Atomically Thin Typeâ€II Weyl Semimetal WTe <sub>2</sub> Nanosheets: An Advanced Electrode Material for Allâ€Solidâ€State Flexible Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1701909.	11.1	107
64	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14144-14151.	5.2	107
65	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.	5.0	106
66	Vibrational analysis and formation mechanism of typical deep eutectic solvents: An experimental and theoretical study. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 68, 158-175.	1.3	105
67	Deep Oxidative Desulfurization of Fuel Oils Catalyzed by Decatungstates in the Ionic Liquid of [Bmim]PF <sub>6</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9034-9039.	1.8	102
68	Biomass willow catkin-derived Co <sub>3</sub> O <sub>4</sub> /N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20170-20179.	5.2	102
69	Hierarchical Sandwich-Like Structure of Ultrafine N-Rich Porous Carbon Nanospheres Grown on Graphene Sheets as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 10324-10333.	4.0	100
70	Multiple Active Sites of Carbon for Highâ€Rate Surfaceâ€Capacitive Sodiumâ€Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13584-13589.	7.2	98
71	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.	3.2	95
72	Ultrathin structured photocatalysts: A versatile platform for CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117788.	10.8	94

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73	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO <sub>2</sub> Br for robust CO <sub>2</sub> photoreduction. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 551-559.	10.8	91
74	Reversible Formation of g-C <sub>3</sub> N <sub>4</sub> 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-temperature Gas Sensing Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1700653.	7.8	90
75	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25203-25226.	5.2	90
76	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C <sub>3</sub> N <sub>4</sub> with enhanced visible-light photocatalytic ability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 474-483.	2.3	89
77	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5209-5213.	5.2	89
78	Enhanced Photocatalytic Activity of Ag <sub>3</sub> VO <sub>4</sub> Loaded with Rare-Earth Elements under Visible-Light Irradiation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 10771-10778.	1.8	88
79	A DFT Study of the Extractive Desulfurization Mechanism by [BMIM] <sup>+</sup> [AlCl <sub>4</sub> ] <sup>-</sup> Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5995-6009.	1.2	88
80	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , 2017, 2, 5385-5394.	1.6	86
81	Controllable synthesis of uniform mesoporous H-Nb <sub>2</sub> O <sub>5</sub> /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 693-703.	5.2	86
82	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. <i>CrystEngComm</i> , 2013, 15, 10132.	1.3	84
83	Visible-light-driven Ag/AgBr/ZnFe <sub>2</sub> O <sub>4</sub> composites with excellent photocatalytic activity for E. coli disinfection and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 555-566.	5.0	84
84	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21434-21454.	5.2	84
85	Harnessing strong metal-support interactions via a reverse route. <i>Nature Communications</i> , 2020, 11, 3042.	5.8	84
86	Mo-O-Bi Bonds as interfacial electron transport bridges to fuel CO <sub>2</sub> photoreduction via in-situ reconstruction of black Bi <sub>2</sub> MoO <sub>6</sub> /BiO <sub>2-x</sub> heterojunction. <i>Chemical Engineering Journal</i> , 2022, 429, 132204.	6.6	83
87	Interfacial chemical bond modulated Bi <sub>19</sub> S <sub>27</sub> Br <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Z-scheme heterojunction for enhanced photocatalytic CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121162.	10.8	83
88	Strain-Engineering of Bi <sub>12</sub> O <sub>17</sub> Br <sub>2</sub> Nanotubes for Boosting Photocatalytic CO <sub>2</sub> Reduction. , 2020, 2, 1025-1032.		82
89	Fenton-like ionic liquids/H <sub>2</sub> O <sub>2</sub> system: one-pot extraction combined with oxidation desulfurization of fuel. <i>RSC Advances</i> , 2012, 2, 658-664.	1.7	81
90	Theoretical evidence of charge transfer interaction between SO <sub>2</sub> and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28729-28742.	1.3	80

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91	An All-Organic Dye System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020, 16, e2003914.	5.2	80
92	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy &amp; Fuels</i> , 2016, 30, 8164-8170.	2.5	79
93	A large number of low coordinated atoms in boron nitride for outstanding adsorptive desulfurization performance. <i>Green Chemistry</i> , 2016, 18, 3040-3047.	4.6	79
94	Non-Covalent Interaction of Atomically Dispersed Cu and Zn Pair Sites for Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	79
95	Graphene quantum dots modified flower like Bi <sub>2</sub> WO <sub>6</sub> for enhanced photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 498-505.	5.0	78
96	Achieving Ultrahigh Capacity with Self-Assembled Ni(OH) <sub>2</sub> Nanosheet-Decorated Hierarchical Flower-like MnCo <sub>2</sub> O <sub>4.5</sub> Nanoneedles as Advanced Electrodes of Battery-Supercapacitor Hybrid Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9984-9993.	4.0	78
97	Enhanced Oxygen Activation Achieved by Robust Single Chromium Atom-Derived Catalysts in Aerobic Oxidative Desulfurization. <i>ACS Catalysis</i> , 2022, 12, 8623-8631.	5.5	78
98	Synthesis and characterization of g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> CO <sub>3</sub> with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , 2014, 4, 34539.	1.7	77
99	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.	5.0	77
100	Plasma treated Bi <sub>2</sub> WO <sub>6</sub> ultrathin nanosheets with oxygen vacancies for improved photocatalytic CO <sub>2</sub> reduction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 597-602.	3.0	77
101	Revealing the role of oxygen vacancies in bimetallic PbBiO <sub>2</sub> Br atomic layers for boosting photocatalytic CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119170.	10.8	77
102	Synthesis and photocatalytic activity of a bentonite/g-C <sub>3</sub> N <sub>4</sub> composite. <i>RSC Advances</i> , 2014, 4, 11831.	1.7	76
103	A Specifically Exposed Cobalt Oxide/Carbon Nitride 2D Heterostructure for Carbon Dioxide Photoreduction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 17394-17400.	1.8	76
104	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2964-2970.	3.0	76
105	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8930-8938.	3.2	75
106	Confined active species and effective charge separation in Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> ultrathin hollow nanotube with increased photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118403.	10.8	75
107	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C <sub>3</sub> N <sub>4</sub> : facile synthesis and the enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 38-46.	5.0	74
108	Magnetically controlled fluorescence aptasensor for simultaneous determination of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2018, 1019, 119-127.	2.6	74

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109	Hydrothermal synthesis of mpg-C <sub>3</sub> N <sub>4</sub> and Bi <sub>2</sub> WO <sub>6</sub> nest-like structure nanohybrids with enhanced visible light photocatalytic activities. RSC Advances, 2017, 7, 38682-38690.	1.7	73
110	Synthesis of mesoporous WO <sub>3</sub> /TiO <sub>2</sub> catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. New Journal of Chemistry, 2017, 41, 569-578.	1.4	72
111	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
112	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
113	Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. RSC Advances, 2016, 6, 9328-9337.	1.7	69
114	Insight into the Potassium Poisoning Effect for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> over Fe/Beta. ACS Catalysis, 2021, 11, 14727-14739.	5.5	69
115	A multidimensional In <sub>2</sub> S <sub>3</sub> ‐CuInS <sub>2</sub> heterostructure for photocatalytic carbon dioxide reduction. Inorganic Chemistry Frontiers, 2018, 5, 3163-3169.	3.0	67
116	Single-metal-atom catalysts: An emerging platform for electrocatalytic oxygen reduction. Chemical Engineering Journal, 2021, 406, 127135.	6.6	67
117	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C <sub>3</sub> N <sub>4</sub> /BiOBr heterojunctions. Materials Science in Semiconductor Processing, 2014, 24, 96-103.	1.9	66
118	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2018, 519, 263-272.	5.0	66
119	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C <sub>3</sub> N <sub>4</sub> /BiOCl. Journal of Materials Science, 2016, 51, 4769-4777.	1.7	65
120	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Graphene‐Analogous Boron Nitride as an Efficient Desulfurization Catalyst. Chemistry - A European Journal, 2015, 21, 15421-15427.	1.7	63
121	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. Journal of Colloid and Interface Science, 2016, 483, 241-248.	5.0	63
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