

Jiexiang Xia

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206
papers

13,862
citations

63
h-index

111
g-index

214
ext. papers

16,204
ext. citations

8.1
avg. IF

6.75
L-index

#	Paper	IF	Citations
206	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	21.8	525
205	Novel visible-light-driven CQDs/Bi ₂ WO ₆ hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 51-61	21.8	410
204	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	13	386
203	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	21.8	318
202	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu ²⁺ . <i>Nanoscale</i> , 2014 , 6, 1406-15	7.7	308
201	Fe ₃ O ₄ -Decorated Co ₉ S ₈ Nanoparticles In Situ Grown on Reduced Graphene Oxide: A New and Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 4712-4721	15.6	297
200	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⁺ . <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2563	13	288
199	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , 2017 , 41, 172-192	17.1	272
198	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801983	15.6	260
197	Carbon Quantum Dots Modified BiOCl Ultrathin Nanosheets with Enhanced Molecular Oxygen Activation Ability for Broad Spectrum Photocatalytic Properties and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20111-23	9.5	252
196	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi ₂ MoO ₆ . <i>Nanoscale</i> , 2015 , 7, 11433-43	7.7	251
195	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	21.8	250
194	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. <i>Dalton Transactions</i> , 2011 , 40, 5249-58	4.3	221
193	Defect-Rich Bi O Cl Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14847-14851	16.4	219
192	Self-assembly and enhanced photocatalytic properties of BiOI hollow microspheres via a reactable ionic liquid. <i>Langmuir</i> , 2011 , 27, 1200-6	4	216
191	One-pot synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl in ionic liquid. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 22-9	9.5	200
190	Commercially available molybdic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. <i>Green Chemistry</i> , 2008 , 10, 641	10	193

189	Synthesis of magnetic CoFe ₂ O ₄ /g-C ₃ N ₄ composite and its enhancement of photocatalytic ability under visible-light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 478, 71-80	5.1	192
188	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit-Cell Bi O Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. <i>Advanced Materials</i> , 2019 , 31, e1807576	24	188
187	Synthesis, characterization and photocatalytic property of AgBr/BiPO ₄ heterojunction photocatalyst. <i>Dalton Transactions</i> , 2012 , 41, 3387-94	4.3	186
186	Oxidative Desulfurization of Fuels Catalyzed by Peroxotungsten and Peroxomolybdenum Complexes in Ionic Liquids. <i>Energy & Fuels</i> , 2007 , 21, 2514-2516	4.1	183
185	Nitrogen-Doped Carbon Quantum Dots/BiOBr Ultrathin Nanosheets: In Situ Strong Coupling and Improved Molecular Oxygen Activation Ability under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 136-146	8.3	182
184	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. <i>Nature Communications</i> , 2019 , 10, 2840	17.4	177
183	Synthesis and characterization of g-C ₃ N ₄ /MoO ₃ photocatalyst with improved visible-light photoactivity. <i>Applied Surface Science</i> , 2013 , 283, 25-32	6.7	175
182	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	13	170
181	Controllable synthesis of Bi ₄ O ₅ Br ₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15108-15118	13	167
180	Facile fabrication of the visible-light-driven Bi ₂ WO ₆ /BiOBr composite with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014 , 4, 82-90	3.7	159
179	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	3.7	153
178	Atomically-thin Bi ₂ MoO ₆ nanosheets with vacancy pairs for improved photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2019 , 61, 54-59	17.1	150
177	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , 2016 , 62, 2087-2100	3.6	144
176	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017 , 35, 79-91	17.1	142
175	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C ₃ N ₄ hybridized Fe ₂ O ₃ hollow microspheres with enhanced supercapacitive performance. <i>Journal of Power Sources</i> , 2014 , 245, 866-874	8.9	138
174	Enhanced photocatalytic activity of new photocatalyst Ag/AgCl/ZnO. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3286-3292	5.7	137
173	Synthesis of g-C ₃ N ₄ /Ag ₃ VO ₄ composites with enhanced photocatalytic activity under visible light irradiation. <i>Chemical Engineering Journal</i> , 2015 , 271, 96-105	14.7	132
172	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS ₂ coupled BiOBr microspheres. <i>Dalton Transactions</i> , 2014 , 43, 15429-38	4.3	122

171	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , 2016 , 107, 1-10	10.4	121
170	Improvement of visible light photocatalytic activity over flower-like BiOCl/BiOBr microspheres synthesized by reactable ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 420, 89-95	5.1	118
169	Bismuth vacancy mediated single unit cell Bi ₂ WO ₆ nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 119-125	21.8	116
168	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , 2016 , 32, 2075-84	4	114
167	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	13	110
166	Construction of ultrathin C ₃ N ₄ /Bi ₄ O ₅ I ₂ layered nanojunctions via ionic liquid with enhanced photocatalytic performance and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2016 , 191, 235-245	21.8	109
165	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	10.4	104
164	Controllable synthesis of CeO ₂ /g-C ₃ N ₄ composites and their applications in the environment. <i>Dalton Transactions</i> , 2015 , 44, 7021-31	4.3	101
163	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	3.7	98
162	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 376-387	21.8	95
161	Synthesis of BaMoO ₄ Nestlike Nanostructures Under a New Growth Mechanism. <i>Crystal Growth and Design</i> , 2008 , 8, 2275-2281	3.5	90
160	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi ₄ O ₅ I ₂ towards bisphenol a removal. <i>Chemical Engineering Journal</i> , 2018 , 331, 355-363	14.7	89
159	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	6.7	87
158	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	11.8	87
157	Ionic liquid-induced strategy for porous perovskite-like PbBiO ₂ Br photocatalysts with enhanced photocatalytic activity and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 127-135	21.8	85
156	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14144-14151	13	81
155	Photocatalytic activity of La ₂ O ₃ -modified silver vanadates catalyst for Rhodamine B dye degradation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2010 , 160, 33-41	14.7	81
154	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	21.8	80

153	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30786-30792	9.5	79
152	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	6.7	79
151	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	6.7	78
150	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	5.1	74
149	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. <i>CrystEngComm</i> , 2013 , 15, 10132	3.3	74
148	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	13	70
147	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <i>Carbon</i> , 2017 , 114, 601-607	10.4	69
146	A DFT study of the extractive desulfurization mechanism by [BMIM](+)[AlCl ₄](-) ionic liquid. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5995-6009	3.4	69
145	Synthesis of few-layer MoS ₂ nanosheet-loaded Ag ₃ PO ₄ for enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2015 , 44, 3057-66	4.3	66
144	Constructing carbon quantum dots/Bi ₂ SiO ₅ ultrathin nanosheets with enhanced photocatalytic activity and mechanism investigation. <i>Chemical Engineering Journal</i> , 2016 , 302, 334-343	14.7	63
143	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. <i>Electrochimica Acta</i> , 2018 , 259, 873-881	6.7	62
142	Microwave-assisted synthesis of flower-like and leaf-like CuO nanostructures via room-temperature ionic liquids. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 1461-1464	3.9	61
141	Fe ₂ O ₃ cubes with high visible-light-activated photoelectrochemical activity towards glucose: hydrothermal synthesis assisted by a hydrophobic ionic liquid. <i>Chemistry - A European Journal</i> , 2014 , 20, 2244-53	4.8	58
140	Ionic liquid assisted synthesis and photocatalytic properties of Fe ₂ O ₃ hollow microspheres. <i>Dalton Transactions</i> , 2013 , 42, 6468-77	4.3	58
139	Ultrathin g-CN with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 530-539	9.3	57
138	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. <i>Chinese Chemical Letters</i> , 2018 , 29, 805-810	8.1	57
137	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C ₃ N ₄ /BiOBr heterojunctions. <i>Materials Science in Semiconductor Processing</i> , 2014 , 24, 96-103	4.3	57
136	Recent Advanced Materials for Electrochemical and Photoelectrochemical Synthesis of Ammonia from Dinitrogen: One Step Closer to a Sustainable Energy Future. <i>Advanced Energy Materials</i> , 2020 , 10, 1902020	21.8	57

135	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	21.8	55
134	Controllable synthesis of hexagon-shaped \square AgI nanoplates in reactable ionic liquid and their photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 410, 23-30	5.1	54
133	Enhanced photocatalytic activity of bismuth oxyiodine (BiOI) porous microspheres synthesized via reactable ionic liquid-assisted solvothermal method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 387, 23-28	5.1	54
132	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	5.7	52
131	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. <i>Journal of Materials Science</i> , 2016 , 51, 4769-4777	4.3	52
130	AgX/graphite-like C(3)N(4) (X = Br, I) hybrid materials for photoelectrochemical determination of copper(II) ion. <i>Analyst, The</i> , 2013 , 138, 6721-6	5	52
129	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	9.3	52
128	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	6.7	52
127	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	15.6	51
126	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , 2016 , 483, 241-248	9.3	51
125	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	9.3	49
124	Microwave-assisted synthesis of few-layered MoS ₂ /BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. <i>CrystEngComm</i> , 2015 , 17, 3645-3651	2.3	48
123	Confined active species and effective charge separation in Bi ₄ O ₅ I ₂ ultrathin hollow nanotube with increased photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118403	21.8	48
122	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	8.5	48
121	Graphene-like boron nitride modified bismuth phosphate materials for boosting photocatalytic degradation of enrofloxacin. <i>Journal of Colloid and Interface Science</i> , 2017 , 492, 51-60	9.3	47
120	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. <i>RSC Advances</i> , 2015 , 5, 26281-26290	3.7	47
119	Advanced visible light photocatalytic properties of BiOCl micro/nanospheres synthesized via reactable ionic liquids. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 298-304	3.9	45
118	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	5.1	45

117	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3665-3673	2.3	44
116	Facile fabrication of g-C ₃ N ₄ /BiPO ₄ hybrid materials via a reactable ionic liquid for the photocatalytic degradation of antibiotic ciprofloxacin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 339, 59-66	4.7	42
115	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	5.1	42
114	Reactable ionic liquid induced homogeneous carbon superdoping of BiPO ₄ for superior photocatalytic removal of 4-chlorophenol. <i>Chemical Engineering Journal</i> , 2017 , 313, 1477-1485	14.7	42
113	Bi ₄ O ₅ 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		42
112	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, 324-33	9.3	41
111	S, N Codoped Graphene Quantum Dots Embedded in (BiO) ₂ CO ₃ : Incorporating Enzymatic-like Catalysis in Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10229-10240	8.3	41
110	Photoelectrochemical monitoring of 4-chlorophenol by plasmonic Au/graphitic carbon nitride composites. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 308-314	8.5	41
109	Ionic liquid-assisted hydrothermal synthesis of three-dimensional hierarchical CuO peachstone-like architectures. <i>Applied Surface Science</i> , 2010 , 256, 1871-1877	6.7	41
108	Improved visible light photocatalytic activity of MWCNT/BiOBr composite synthesized via a reactable ionic liquid. <i>Ceramics International</i> , 2014 , 40, 4607-4616	5.1	40
107	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, 112-9	9.3	40
106	Synthesis, characterization and photocatalytic activity of NaNbO ₃ /ZnO heterojunction photocatalysts. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9157-9163	5.7	38
105	Facile microwave-assisted ionic liquid synthesis of sphere-like BiOBr hollow and porous nanostructures with enhanced photocatalytic performance. <i>Green Energy and Environment</i> , 2017 , 2, 124-133	5.7	37
104	Graphitic carbon nitride nanosheet supported high loading silver nanoparticle catalysts for the oxygen reduction reaction. <i>Materials Letters</i> , 2014 , 128, 349-353	3.3	37
103	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	21.8	36
102	The enhanced visible light photocatalytic activity of yttrium-doped BiOBr synthesized via a reactable ionic liquid. <i>Applied Surface Science</i> , 2015 , 331, 170-178	6.7	36
101	Synthesis of one-dimensional [Ni(OH) ₂] nanostructure and their application as nonenzymatic glucose sensors. <i>Materials Chemistry and Physics</i> , 2012 , 132, 387-394	4.4	35
100	Ionic liquid oxidation synthesis of Ag@AgCl core-shell structure for photocatalytic application under visible-light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 416, 80-85	5.1	35

99	Facile synthesis of few-layered MoS ₂ modified BiOI with enhanced visible-light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 511, 1-7	5.1	34
98	Self-assembly and enhanced optical absorption of Bi ₂ WO ₆ nests via ionic liquid-assisted hydrothermal method. <i>Materials Chemistry and Physics</i> , 2010 , 121, 6-9	4.4	34
97	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	6.8	34
96	Defect-Rich Bi ₁₂ O ₁₇ Cl ₂ Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2018 , 130, 15063-15067	3.6	34
95	Controlled preparation of MoS ₂ /PbBiOI hybrid microspheres with enhanced visible-light photocatalytic behaviour. <i>Journal of Colloid and Interface Science</i> , 2018 , 517, 278-287	9.3	33
94	Microwave-assisted synthesis of barium tungstate nanosheets and nanobelts by using polymer PVP micelle as templates. <i>Materials Letters</i> , 2007 , 61, 1845-1848	3.3	33
93	Photoelectrochemical sensing of 4-chlorophenol based on Au/BiOCl nanocomposites. <i>Talanta</i> , 2016 , 156-157, 257-264	6.2	32
92	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, 1123437	4.7	32
91	Microwave-assisted synthesis of Fe ₃ O ₄ nanorods and nanowires in an ionic liquid. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 1785-1788	3.9	31
90	Controlled synthesis of different morphologies of BaWO ₄ crystals via a surfactant-assisted method. <i>Journal of Crystal Growth</i> , 2007 , 300, 523-529	1.6	31
89	Synthesis of g-C ₃ N ₄ /Bi ₄ O ₅ Br ₂ via reactable ionic liquid and its cooperation effect for the enhanced photocatalytic behavior towards ciprofloxacin degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 347, 168-176	4.7	30
88	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO ₂ -to-CO conversion. <i>Applied Catalysis B: Environmental</i> , 2020 , 276, 119156	21.8	30
87	Preparation of magnetic Ag/AgCl/CoFe ₂ O ₄ composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , 2015 , 5, 41475-41483	3.7	29
86	Novel mesoporous graphitic carbon nitride modified PbBiOBr porous microspheres with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2017 , 507, 310-322	9.3	29
85	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	21.8	29
84	Metallic Bi self-doping BiOCl composites: Synthesis and enhanced photoelectrochemical performance. <i>Materials Letters</i> , 2017 , 196, 225-229	3.3	28
83	Ionic liquid-induced strategy for FeWO ₄ microspheres with advanced visible light photocatalysis. <i>Ceramics International</i> , 2016 , 42, 8997-9003	5.1	28
82	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. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152470	5.7	27

81	Theoretical investigation of the interaction between aromatic sulfur compounds and [BMIM](+)[FeCl ₄](-) ionic liquid in desulfurization: A novel charge transfer mechanism. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 59, 40-9	2.8	26
80	Photoelectrochemical monitoring of phenol by metallic Bi self-doping BiOI composites with enhanced photoelectrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 804, 64-71	4.1	26
79	High-Capacity and Long-Cycle Life Aqueous Rechargeable Lithium-Ion Battery with the FePO Anode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7061-7068	9.5	25
78	Synthesis of erbium ions doped BiOBr via a reactive ionic liquid with improved photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 489, 343-350	5.1	25
77	Synthesis and characterization of the efficient visible-light-induced photocatalyst AgBr and its photodegradation activity. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 523-529	3.9	25
76	Enhanced photoelectrochemical sensing performance of graphitic carbon nitride by nitrogen vacancies engineering. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111802	11.8	25
75	Enhanced reactive oxygen species activation for building carbon quantum dots modified BiOI nanorod composites and optimized visible-light-response photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 727-737	9.3	24
74	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	21.8	24
73	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	5.7	23
72	In-situ preparation of MIL-125(Ti)/Bi ₂ WO ₆ photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 387, 112149	4.7	23
71	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	5.1	22
70	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	5.7	22
69	Self-assembly of BaMoO ₄ single-crystalline nanosheets into microspheres. <i>Materials Chemistry and Physics</i> , 2008 , 110, 17-20	4.4	22
68	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C ₃ N ₄ . <i>Green Energy and Environment</i> , 2019 , 4, 198-206	5.7	22
67	High-performance electrolytic oxygen evolution with a seamless armor core-shell FeCoNi oxynitride. <i>Nanoscale</i> , 2019 , 11, 7239-7246	7.7	21
66	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	9.3	21
65	Controllable synthesis of perovskite-like PbBiO ₂ Cl hollow microspheres with enhanced photocatalytic activity for antibiotic removal. <i>CrystEngComm</i> , 2017 , 19, 4777-4788	3.3	21
64	Photoelectrochemical sensing of bisphenol a based on graphitic carbon nitride/bismuth oxyiodine composites. <i>RSC Advances</i> , 2017 , 7, 7929-7935	3.7	20

63	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	11.3	20
62	Construction of ultrathin MoS/BiOI composites: Effective charge separation and increased photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 475-484	9.3	20
61	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	5.1	19
60	Plasmonic-enhanced visible-light-driven photocatalytic activity of Ag@AgBr synthesized in reactable ionic liquid. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1626-1633	3.5	19
59	Preparation of 1D CuO Nanorods by Means of a Metal Ion Containing Ionic Liquid and Their Supercapacitance. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2315-2323	2.3	19
58	Ionic Liquid Assisted Solvothermal Synthesis of Cu Polyhedron-Pattern Nanostructures and Their Application as Enhanced Nanoelectrocatalysts for Glucose Detection. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 1361-1365	2.3	19
57	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched CoFe ₂ O ₄ /BiOBr photocatalysts. <i>Catalysis Science and Technology</i> , 2018 , 8, 551-561	5.5	19
56	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	4.7	18
55	Ti ₃ C ₂ T _x /Graphene Oxide Free-Standing Membranes as Modified Separators for Lithium-Sulfur Batteries with Enhanced Rate Performance. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2708-2718	6.1	18
54	Synthesis of Multiwalled Carbon Nanotube Modified BiOCl Microspheres with Enhanced Visible-Light Response Photoactivity. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 781-787	1.6	17
53	Fluorination of MXene by Elemental F as Electrode Material for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019 , 12, 1316-1324	8.3	17
52	Construction of MIL-125(Ti)/ZnIn ₂ S ₄ composites with accelerated interfacial charge transfer for boosting visible light photoreactivity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 585, 124078	5.1	17
51	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	9.3	17
50	Oxygen Vacancies Engineering-Mediated BiOBr Atomic Layers for Boosting Visible Light-Driven Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2021 , 5, 2000480	7.1	17
49	Exploitation of a photoelectrochemical sensing platform for catechol quantitative determination using BiPO nanocrystals/BiOI heterojunction. <i>Analytica Chimica Acta</i> , 2018 , 1042, 11-19	6.6	16
48	Improved visible light photocatalytic activity of mesoporous FeVO ₄ nanorods synthesized using a reactable ionic liquid. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 744-754	11.3	15
47	Ni Co O 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	4.5	15
46	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	5.7	14

45	Significant improvement of photocatalytic activity of porous graphitic-carbon nitride/bismuth oxybromide microspheres synthesized in an ionic liquid by microwave-assisted processing. <i>Materials Science in Semiconductor Processing</i> , 2015 , 32, 117-124	4.3	14
44	Carbonized polymer dots modified ultrathin Bi ₂ O ₃ /Bi ₂ WO ₆ nanosheets Z-scheme heterojunction for robust CO ₂ photoreduction. <i>Chemical Engineering Science</i> , 2021 , 232, 116338	4.4	14
43	Construction of nitrogen and phosphorus co-doped graphene quantum dots/Bi ₂ WO ₆ composites for accelerated charge separation and enhanced photocatalytic degradation performance. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1230-1239	11.3	13
42	Organic-inorganic TCPP/BiOCl hybrids with accelerated interfacial charge separation for boosted photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 616, 126367	5.1	12
41	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	8.5	10
40	Ultrathin graphitic carbon nitride modified PbBiO ₂ Cl microspheres with accelerating interfacial charge transfer for the photodegradation of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 582, 123804	5.1	10
39	Reactable ionic liquid-assisted solvothermal synthesis of flower-like bismuth oxybromide microspheres with highly visible-light photocatalytic performances. <i>Micro and Nano Letters</i> , 2013 , 8, 450-454	0.9	10
38	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	4.7	9
37	Synthesis, characterization and photocatalytic activity of Ag/AgCl/graphite-like C ₃ N ₄ under visible light irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6809-15	1.3	9
36	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. <i>Applied Surface Science</i> , 2020 , 507, 145085	6.7	9
35	Oxygen vacancies in Bi ₂ Sn ₂ O ₇ quantum dots to trigger efficient photocatalytic nitrogen reduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120680	21.8	9
34	Interfacial chemical bond modulated Bi ₁₉ S ₂₇ Br ₃ /g-C ₃ N ₄ Z-scheme heterojunction for enhanced photocatalytic CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2022 , 307, 121162	21.8	8
33	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	2.8	7
32	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	8.1	7
31	Tuning the Active Sites of Atomically Thin Defective BiOCl via Incorporation of Subnanometer Clusters. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9216-9223	9.5	7
30	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	5.1	7
29	One-pot ionic liquid-assisted strategy for GO/BiOI hybrids with superior visible-driven photocatalysis and mechanism research. <i>Materials Technology</i> , 2017 , 32, 131-139	2.1	6
28	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	9.3	6

27	Fe ₂ O ₃ Nanoparticles Modified 2D N-Doped Porous Graphene-like Carbon as an Efficient and Robust Electrocatalyst for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2019 , 4, 4131-4139	1.8	6
26	Preparation of meso-tetraphenyl porphyrin modified defect-rich BiOCl with enhanced visible-light photocatalytic activity for antibiotic degradation and mechanism insight. <i>Journal of Photochemistry and Photobiology</i> , 2020 , 3-4, 100014	0.8	5
25	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. <i>Materials Today</i> , 2022 ,	21.8	5
24	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	5.1	5
23	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	1.8	5
22	In-situ construction of bifunctional MIL-125(Ti)/BiOI reactive adsorbent/photocatalyst with enhanced removal efficiency of organic contaminants. <i>Applied Surface Science</i> , 2022 , 583, 152423	6.7	4
21	Graphene-like BN/BiOBr composite: synthesis via a reactable ionic liquid and enhanced visible light photocatalytic performance. <i>Materials Technology</i> , 2016 , 31, 463-470	2.1	4
20	Metal ion-containing ionic liquid assisted synthesis and enhanced photoelectrochemical performance of g-C ₃ N ₄ /ZnO composites. <i>Materials Technology</i> , 2018 , 33, 185-192	2.1	4
19	Controlled synthesis of novel PbBiO ₂ I microsphere structure towards photocatalytic degradation of bisphenol A. <i>Research on Chemical Intermediates</i> , 2018 , 44, 5879-5891	2.8	3
18	Oxygen vacancies mediated BiOCl ultrathin nanobelts: Boosting molecular oxygen activation for efficient organic pollutants degradation. <i>Journal of Colloid and Interface Science</i> , 2021 , 609, 23-32	9.3	3
17	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	6.7	3
16	Reactable ionic liquid synthesis and visible-light photocatalytic activity of dendritic ferric oxide hierarchical structures. <i>Micro and Nano Letters</i> , 2012 , 7, 806	0.9	2
15	Edge-Site-Rich Ordered Macroporous BiOCl Triggers C ₂ O Activation for Efficient CO Photoreduction. <i>Small</i> , 2021 , e2105228	11	2
14	Ionic Liquid-Assisted Synthesis of Ag ₃ PO ₄ Spheres for Boosting Photodegradation Activity under Visible Light. <i>Catalysts</i> , 2021 , 11, 788	4	2
13	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	2.8	2
12	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	1.8	2
11	Rapid dual-channel electrons transfer via synergistic effect of LSPR effect and build-in electric field in Z-scheme W ₁₈ O ₄₉ /BiOBr heterojunction for organic pollutants degradation. <i>Inorganic Chemistry Communication</i> , 2022 , 109283	3.1	1
10	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	5.1	1

9	Unique Sill \bar{b} -structured multimetal high entropy oxyhalide $Pb_xCd_{1-x}BiO_2Br$ with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2022 , 578, 151921	6.7	1
8	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> , 2021 , 610, 518-518	9.3	1
7	Controllable synthesis of $FeWO_4/BiOBr$ in reactive ionic liquid with effective charge separation towards photocatalytic pollutant removal. <i>Research on Chemical Intermediates</i> , 2019 , 45, 437-451	2.8	1
6	Electron collector $Bi_{19}S_{27}Br_3$ nanorod-enclosed $BiOBr$ nanosheet for efficient CO_2 photoconversion. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1324-1330	11.3	1
5	Synergy between plasmonic and sites on gold nanoparticle-modified bismuth-rich bismuth oxybromide nanotubes for the efficient photocatalytic CC coupling synthesis of ethane.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 649-658	9.3	1
4	Fabrication of $MoS_2/FeOCl$ Composites as Heterogeneous Photo-Fenton Catalysts for the Efficient Degradation of Water Pollutants under Visible Light Irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 129357	5.1	1
3	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	1.6	0
2	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	7.6	0
1	Fluorination of MXene by Elemental F_2 as Electrode Material for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019 , 12, 1271-1271	8.3	