

# Jiexiang Xia

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 307, 121162	21.8	8
205	In-situ construction of bifunctional MIL-125(Ti)/BiOI reactive adsorbent/photocatalyst with enhanced removal efficiency of organic contaminants. <i>Applied Surface Science</i> , <b>2022</b> , 583, 152423	6.7	4
204	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. <i>Materials Today</i> , <b>2022</b> ,	21.8	5
203	Rapid dual-channel electrons transfer via synergistic effect of LSPR effect and build-in electric field in Z-scheme W <sub>18</sub> O <sub>49</sub> /BiOBr heterojunction for organic pollutants degradation. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 109283	3.1	1
202	Ionic liquid-induced preparation of novel CNTs/PbBiO <sub>2</sub> Cl nanosheet photocatalyst with boosted photocatalytic activity for the removal of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 634, 127894	5.1	1
201	Unique Sill $\bar{6}$ -structured multimetal high entropy oxyhalide PbxCd <sub>1-x</sub> BiO <sub>2</sub> Br with enhanced photocatalytic activity. <i>Applied Surface Science</i> , <b>2022</b> , 578, 151921	6.7	1
200	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO <sub>2</sub> conversion. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 59, 101957	7.6	0
199	Electron collector Bi <sub>19</sub> S <sub>27</sub> Br <sub>3</sub> nanorod-enclosed BiOBr nanosheet for efficient CO <sub>2</sub> photoconversion. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 1324-1330	11.3	1
198	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> , <b>2022</b> , 616, 649-658	9.3	1
197	Fabrication of MoS <sub>2</sub> /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> , <b>2022</b> , 129357	5.1	1
196	Oxygen vacancies mediated BiOCl ultrathin nanobelts: Boosting molecular oxygen activation for efficient organic pollutants degradation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 609, 23-32	9.3	3
195	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> , <b>2021</b> , 610, 518-518	9.3	1
194	Edge-Site-Rich Ordered Macroporous BiOCl Triggers C <sub>2</sub> O Activation for Efficient CO Photoreduction. <i>Small</i> , <b>2021</b> , e2105228	11	2
193	Organic-inorganic TCPP/BiOCl hybrids with accelerated interfacial charge separation for boosted photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 616, 126367	5.1	12
192	Ionic Liquid-Assisted Synthesis of Ag <sub>3</sub> PO <sub>4</sub> Spheres for Boosting Photodegradation Activity under Visible Light. <i>Catalysts</i> , <b>2021</b> , 11, 788	4	2
191	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> , <b>2021</b> , 583, 614-625	9.3	17
190	Oxygen Vacancies Engineering Mediated BiOBr Atomic Layers for Boosting Visible Light-Driven Photocatalytic CO <sub>2</sub> Reduction. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000480	7.1	17

189	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> , <b>2021</b> , 541, 148477	6.7	3
188	Construction of 2D/2D MoS <sub>2</sub> /PbBiO <sub>2</sub> Cl nanosheet photocatalysts with accelerated interfacial charge transfer for boosting visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 609, 125655	5.1	5
187	Carbonized polymer dots modified ultrathin Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> CO <sub>3</sub> nanosheets Z-scheme heterojunction for robust CO <sub>2</sub> photoreduction. <i>Chemical Engineering Science</i> , <b>2021</b> , 232, 116338	4.4	14
186	In situ preparation of Bi <sub>2</sub> O <sub>3</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> composite photocatalyst with enhanced visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , <b>2021</b> , 47, 1601-1613	2.8	2
185	Tuning the Active Sites of Atomically Thin Defective BiOCl via Incorporation of Subnanometer Clusters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 9216-9223	9.5	7
184	In-Situ Synthesis of MoS <sub>2</sub> /BiOBr Material via Mechanical Ball Milling for Boosted Photocatalytic Degradation Pollutants Performance. <i>ChemistrySelect</i> , <b>2021</b> , 6, 928-936	1.8	2
183	The novel photo-Fenton-like few-layer MoS <sub>2</sub> /FeVO <sub>4</sub> composite for improved degradation activity under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 623, 126721	5.1	7
182	Unique Z-scheme carbonized polymer dots/Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> hybrids for efficiently boosting photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 293, 120182	21.8	24
181	Oxygen vacancies in Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> quantum dots to trigger efficient photocatalytic nitrogen reduction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 299, 120680	21.8	9
180	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> , <b>2020</b> , 3-4, 100014	0.8	5
179	Construction of NH <sub>2</sub> -MIL-125(Ti) nanoplates modified Bi <sub>2</sub> WO <sub>6</sub> microspheres with boosted visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 3311-3326	2.8	7
178	Construction of NH <sub>2</sub> -MIL-125(Ti)/Bi <sub>2</sub> WO <sub>6</sub> composites with accelerated charge separation for degradation of organic contaminants under visible light irradiation. <i>Green Energy and Environment</i> , <b>2020</b> , 5, 203-213	5.7	22
177	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> , <b>2020</b> , 277, 119170	21.8	36
176	Construction of Mn valence-engineered MnO <sub>2</sub> /BiOCl heterojunction coupled with carriers-trapping effect for enhanced photoelectrochemical lincomycin aptasensor. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128415	8.5	10
175	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /Graphene Oxide Free-Standing Membranes as Modified Separators for Lithium Sulfur Batteries with Enhanced Rate Performance. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2708-2718	6.1	18
174	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> , <b>2020</b> , 826, 154152	5.7	23
173	Construction of nitrogen and phosphorus co-doped graphene quantum dots/Bi <sub>5</sub> O <sub>7</sub> I composites for accelerated charge separation and enhanced photocatalytic degradation performance. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 1230-1239	11.3	13
172	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> , <b>2020</b> , 574, 131-139	9.3	21

171	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO <sub>2</sub> -to-CO conversion. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 276, 119156	21.8	30
170	Enhanced photoelectrochemical sensing performance of graphitic carbon nitride by nitrogen vacancies engineering. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 148, 111802	11.8	25
169	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> , <b>2020</b> , 268, 118403	21.8	48
168	In-situ preparation of MIL-125(Ti)/Bi <sub>2</sub> WO <sub>6</sub> photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 387, 112149	4.7	23
167	Efficient photocatalytic hydrogen evolution by engineering amino groups into ultrathin 2D graphitic carbon nitride. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145085	6.7	9
166	Novel Z-scheme heterogeneous photo-Fenton-like g-C <sub>3</sub> N <sub>4</sub> /FeOCl for the pollutants degradation under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 391, 112343	4.7	32
165	Space-Confined 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> , <b>2020</b> , 30, 2005834	15.6	51
164	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> , <b>2020</b> , 10, 1902020	21.8	57
163	Construction of ultrathin MoS <sub>2</sub> /BiOI composites: Effective charge separation and increased photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 475-484	9.3	20
162	Construction of MIL-125(Ti)/ZnIn <sub>2</sub> S <sub>4</sub> composites with accelerated interfacial charge transfer for boosting visible light photoreactivity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 585, 124078	5.1	17
161	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> , <b>2020</b> , 815, 152470	5.7	27
160	One-step Mechanical Synthesis of Oxygen-defect Modified Ultrathin Bi <sub>12</sub> O <sub>17</sub> Br <sub>2</sub> Nanosheets for Boosting Photocatalytic Activity. <i>ChemistrySelect</i> , <b>2020</b> , 5, 11177-11184	1.8	5
159	NiCo <sub>2</sub> O <sub>4</sub> ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. <i>Applied Surface Science</i> , <b>2019</b> , 478, 552-559	6.7	78
158	Ultrathin g-CN with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 530-539	9.3	57
157	Novel CNT/PbBiO <sub>2</sub> Br hybrid materials with enhanced broad spectrum photocatalytic activity toward ciprofloxacin (CIP) degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111901	4.7	18
156	Improved visible light photocatalytic activity of mesoporous FeVO <sub>4</sub> nanorods synthesized using a reactable ionic liquid. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 744-754	11.3	15
155	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> , <b>2019</b> , 575, 336-345	5.1	19
154	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit-Cell Bi <sub>2</sub> O <sub>3</sub> Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807576	24.4	188

153	Reactable ionic liquid in situ-induced synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles modified N-doped hollow porous carbon microtubes for boosting multifunctional electrocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 849-858	5.7	14
152	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> , <b>2019</b> , 254, 551-559	21.8	55
151	High-performance electrolytic oxygen evolution with a seamless armor core-shell FeCoNi oxynitride. <i>Nanoscale</i> , <b>2019</b> , 11, 7239-7246	7.7	21
150	Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Modified 2D N-Doped Porous Graphene-like Carbon as an Efficient and Robust Electrocatalyst for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , <b>2019</b> , 4, 4131-4139	1.8	6
149	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> , <b>2019</b> , 61, 54-59	17.1	150
148	Fluorination of MXene by Elemental F <sub>2</sub> as Electrode Material for Lithium-Ion Batteries. <i>ChemSusChem</i> , <b>2019</b> , 12, 1271-1271	8.3	
147	Ultrathin graphitic carbon nitride modified PbBiO <sub>2</sub> Cl microspheres with accelerating interfacial charge transfer for the photodegradation of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 582, 123804	5.1	10
146	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30786-30792	9.5	79
145	Isolated single atom cobalt in BiOBr atomic layers to trigger efficient CO photoreduction. <i>Nature Communications</i> , <b>2019</b> , 10, 2840	17.4	177
144	Construction of NH <sub>2</sub> -UiO-66/BiOBr composites with boosted photocatalytic activity for the removal of contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 579, 123625	5.1	42
143	CQDs modified PbBiO <sub>2</sub> Cl nanosheets with improved molecular oxygen activation ability for photodegradation of organic contaminants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111921	4.7	9
142	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C <sub>3</sub> N <sub>4</sub> . <i>Green Energy and Environment</i> , <b>2019</b> , 4, 198-206	5.7	22
141	Fluorination of MXene by Elemental F as Electrode Material for Lithium-Ion Batteries. <i>ChemSusChem</i> , <b>2019</b> , 12, 1316-1324	8.3	17
140	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> , <b>2019</b> , 533, 612-620	9.3	52
139	Conjugated conducting polymers PANI decorated Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> photocatalyst with extended light response range and enhanced photoactivity. <i>Applied Surface Science</i> , <b>2019</b> , 464, 552-561	6.7	52
138	Ni Co O Nanoneedle Arrays Grown on Ni Foam as an Efficient Bifunctional Electrocatalyst for Full Water Splitting. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 480-485	4.5	15
137	Partially etched Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> by metal chloride for enhanced reactive oxygen species generation: A tale of two strategies. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 325-333	21.8	29
136	BiPO <sub>4</sub> nanocrystal/BiOCl nanosheet heterojunction as the basis for a photoelectrochemical 4-chlorophenol sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 279, 466-475	8.5	48

135	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> , <b>2019</b> , 466, 525-534	6.7	79
134	Controllable synthesis of FeWO <sub>4</sub> /BiOBr in reactive ionic liquid with effective charge separation towards photocatalytic pollutant removal. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 437-451	2.8	1
133	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> , <b>2018</b> , 519, 263-272	9.3	49
132	Controlled preparation of MoS <sub>2</sub> /PbBiOI hybrid microspheres with enhanced visible-light photocatalytic behaviour. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 517, 278-287	9.3	33
131	High-Capacity and Long-Cycle Life Aqueous Rechargeable Lithium-Ion Battery with the FePO Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7061-7068	9.5	25
130	A sensitive signal-on photoelectrochemical sensor for tetracycline determination using visible-light-driven flower-like CN/BiOBr composites. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 111, 74-81	11.8	87
129	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> towards bisphenol a removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 355-363	14.7	89
128	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801983	15.6	260
127	Exploitation of a photoelectrochemical sensing platform for catechol quantitative determination using BiPO nanocrystals/BiOI heterojunction. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1042, 11-19	6.6	16
126	Graphene-Analogue Boron Nitride Modified Bismuth Oxyiodide with Increased Visible-Light Photocatalytic Performance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800146	16	0
125	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> , <b>2018</b> , 532, 727-737	9.3	24
124	S, N Codoped Graphene Quantum Dots Embedded in (BiO) <sub>2</sub> CO <sub>3</sub> : Incorporating Enzymatic-like Catalysis in Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 10229-10240	8.3	41
123	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> , <b>2018</b> , 39, 790-799	11.3	20
122	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 805-810	8.1	57
121	Exploitation of a photoelectrochemical sensing platform for bisphenol A quantitative determination using Cu/graphitic carbon nitride nanocomposites. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1629-1632	8.1	7
120	Controlled synthesis of novel PbBiO <sub>2</sub> I microsphere structure towards photocatalytic degradation of bisphenol A. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 5879-5891	2.8	3
119	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> , <b>2018</b> , 237, 1033-1043	21.8	80
118	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched Co <sub>x</sub> Fe <sub>y</sub> O <sub>4</sub> /BiOBr photocatalysts. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 551-561	5.5	19

117	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 873-881	6.7	62
116	Metal ion-containing ionic liquid assisted synthesis and enhanced photoelectrochemical performance of g-C <sub>3</sub> N <sub>4</sub> /ZnO composites. <i>Materials Technology</i> , <b>2018</b> , 33, 185-192	2.1	4
115	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2964-2970	6.8	34
114	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</i> , <b>2018</b> , 130, 15063-15067	3.6	34
113	Defect-Rich Bi O Cl Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14847-14851	16.4	219
112	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> , <b>2018</b> , 238, 119-125	21.8	116
111	One-pot ionic liquid-assisted strategy for GO/BiOI hybrids with superior visible-driven photocatalysis and mechanism research. <i>Materials Technology</i> , <b>2017</b> , 32, 131-139	2.1	6
110	Improved photocatalytic activity of few-layer Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> nanosheets induced by efficient charge separation and lower valence position. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 922-930	5.7	52
109	Graphene-like boron nitride modified bismuth phosphate materials for boosting photocatalytic degradation of enrofloxacin. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 492, 51-60	9.3	47
108	Ionic liquid-induced strategy for porous perovskite-like PbBiO <sub>2</sub> Br photocatalysts with enhanced photocatalytic activity and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 127-135	21.8	85
107	Facile microwave-assisted ionic liquid synthesis of sphere-like BiOBr hollow and porous nanostructures with enhanced photocatalytic performance. <i>Green Energy and Environment</i> , <b>2017</b> , 2, 124-133	5.3	37
106	Photoelectrochemical sensing of bisphenol a based on graphitic carbon nitride/bismuth oxyiodine composites. <i>RSC Advances</i> , <b>2017</b> , 7, 7929-7935	3.7	20
105	Facile fabrication of g-C <sub>3</sub> N <sub>4</sub> /BiPO <sub>4</sub> hybrid materials via a reactable ionic liquid for the photocatalytic degradation of antibiotic ciprofloxacin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 339, 59-66	4.7	42
104	2D-2D stacking of graphene-like g-C <sub>3</sub> N <sub>4</sub> /Ultrathin Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> with matched energy band structure towards antibiotic removal. <i>Applied Surface Science</i> , <b>2017</b> , 413, 372-380	6.7	87
103	Metallic Bi self-doping BiOCl composites: Synthesis and enhanced photoelectrochemical performance. <i>Materials Letters</i> , <b>2017</b> , 196, 225-229	3.3	28
102	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , <b>2017</b> , 35, 79-91	17.1	142
101	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> , <b>2017</b> , 492, 25-32	9.3	6
100	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <i>Carbon</i> , <b>2017</b> , 114, 601-607	10.4	69

99	Photoelectrochemical monitoring of phenol by metallic Bi self-doping BiOI composites with enhanced photoelectrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 804, 64-71	4.1	26
98	Bismuth oxyhalide layered materials for energy and environmental applications. <i>Nano Energy</i> , <b>2017</b> , 41, 172-192	17.1	272
97	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> 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> , <b>2017</b> , 347, 168-176	4.7	30
96	Novel mesoporous graphitic carbon nitride modified PbBiOBr porous microspheres with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 507, 310-322	9.3	29
95	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> , <b>2017</b> , 5, 20170-20179	13	70
94	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14144-14151	13	81
93	Controllable synthesis of perovskite-like PbBiO <sub>2</sub> Cl hollow microspheres with enhanced photocatalytic activity for antibiotic removal. <i>CrystEngComm</i> , <b>2017</b> , 19, 4777-4788	3.3	21
92	Reactable ionic liquid induced homogeneous carbon superdoping of BiPO <sub>4</sub> for superior photocatalytic removal of 4-chlorophenol. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 1477-1485	14.7	42
91	La <sup>3+</sup> doped BiOBr microsphere with enhanced visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 513, 160-167	5.1	45
90	Photoelectrochemical monitoring of 4-chlorophenol by plasmonic Au/graphitic carbon nitride composites. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 308-314	8.5	41
89	Reactable ionic liquid assisted synthesis of BiPO <sub>4</sub> and the influences of solvent on structure, morphology and photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 488, 110-117	5.1	22
88	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> , <b>2016</b> , 181, 260-269	21.8	318
87	Facile synthesis of few-layered MoS <sub>2</sub> modified BiOI with enhanced visible-light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 511, 1-7	5.1	34
86	Photoelectrochemical sensing of 4-chlorophenol based on Au/BiOCl nanocomposites. <i>Talanta</i> , <b>2016</b> , 156-157, 257-264	6.2	32
85	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> nanomaterials and enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 324-33	9.3	41
84	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , <b>2016</b> , 62, 2087-2100	3.6	144
83	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <i>Carbon</i> , <b>2016</b> , 98, 613-623	10.4	104
82	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> , <b>2016</b> , 4, 136-146	8.3	182



81	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , <b>2016</b> , 32, 2075-84	4	114
80	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> , <b>2016</b> , 4, 5051-5061	13	110
79	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C <sub>3</sub> N <sub>4</sub> /BiOCl. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 4769-4777	4.3	52
78	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 376-387	21.8	95
77	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> , <b>2016</b> , 489, 343-350	5.1	25
76	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> , <b>2016</b> , 183, 254-262	21.8	250
75	Synthesis of Multiwalled Carbon Nanotube Modified BiOCl Microspheres with Enhanced Visible-Light Response Photoactivity. <i>Clean - Soil, Air, Water</i> , <b>2016</b> , 44, 781-787	1.6	17
74	Fe <sub>3</sub> O <sub>4</sub> -Decorated Co <sub>9</sub> S <sub>8</sub> Nanoparticles In Situ Grown on Reduced Graphene Oxide: A New and Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4712-4721	15.6	297
73	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , <b>2016</b> , 107, 1-10	10.4	121
72	Construction of ultrathin C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> layered nanojunctions via ionic liquid with enhanced photocatalytic performance and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 191, 235-245	21.8	109
71	Ionic liquid-induced strategy for FeWO <sub>4</sub> microspheres with advanced visible light photocatalysis. <i>Ceramics International</i> , <b>2016</b> , 42, 8997-9003	5.1	28
70	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> , <b>2016</b> , 473, 112-9	9.3	40
69	Graphene-like BN/BiOBr composite: synthesis via a reactable ionic liquid and enhanced visible light photocatalytic performance. <i>Materials Technology</i> , <b>2016</b> , 31, 463-470	2.1	4
68	Constructing carbon quantum dots/Bi <sub>2</sub> SiO <sub>5</sub> ultrathin nanosheets with enhanced photocatalytic activity and mechanism investigation. <i>Chemical Engineering Journal</i> , <b>2016</b> , 302, 334-343	14.7	63
67	Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> ultrasmall nanosheets in situ strong coupling to MWCNT and improved photocatalytic activity for tetracycline hydrochloride degradation. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 424, 331-341		42
66	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 483, 241-248	9.3	51
65	High yield synthesis of nano-size g-C <sub>3</sub> N <sub>4</sub> derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. <i>RSC Advances</i> , <b>2015</b> , 5, 26281-26290	3.7	47
64	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> composites with enhanced photocatalytic activity under visible light irradiation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 271, 96-105	14.7	132

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60	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> , <b>2015</b> , 478, 71-80	5-1	192
59	Preparation of magnetic Ag/AgCl/CoFe <sub>2</sub> O <sub>4</sub> composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , <b>2015</b> , 5, 41475-41483	3-7	29
58	Microwave-assisted synthesis of few-layered MoS <sub>2</sub> /BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. <i>CrystEngComm</i> , <b>2015</b> , 17, 3645-3651	2-3	48
57	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 &amp; Interfaces</i> , <b>2015</b> , 7, 20111-23	9-5	252
56	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> , <b>2015</b> , 168-169, 51-61	21.8	410
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46	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15864-15874	13	170

45	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS <sub>2</sub> /coupled BiOBr microspheres. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15429-38	4.3	122
44	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3665-3673	2.3	44
43	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 14281	3.7	98
42	Graphitic carbon nitride nanosheet supported high loading silver nanoparticle catalysts for the oxygen reduction reaction. <i>Materials Letters</i> , <b>2014</b> , 128, 349-353	3.3	37
41	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C <sub>3</sub> N <sub>4</sub> /BiOBr heterojunctions. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 24, 96-103	4.3	57
40	Improved visible light photocatalytic activity of MWCNT/BiOBr composite synthesized via a reactable ionic liquid. <i>Ceramics International</i> , <b>2014</b> , 40, 4607-4616	5.1	40
39	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> , <b>2014</b> , 2, 5340	13	386
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36	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> , <b>2013</b> , 436, 474-483	5.1	74
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33	AgX/graphite-like C(3)N(4) (X = Br, I) hybrid materials for photoelectrochemical determination of copper(II) ion. <i>Analyst</i> , <b>2013</b> , 138, 6721-6	5	52
32	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. <i>CrystEngComm</i> , <b>2013</b> , 15, 10132	3.3	74
31	Advanced visible light photocatalytic properties of BiOCl micro/nanospheres synthesized via reactable ionic liquids. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 298-304	3.9	45
30	Ionic liquid assisted synthesis and photocatalytic properties of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> hollow microspheres. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6468-77	4.3	58
29	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> , <b>2013</b> , 420, 89-95	5.1	118
28	Preparation of 1D CuO Nanorods by Means of a Metal Ion Containing Ionic Liquid and Their Supercapacitance. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 2315-2323	2.3	19

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26	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> , <b>2013</b> , 416, 80-85	5.1	35
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23	Synthesis and characterization of the efficient visible-light-induced photocatalyst AgBr and its photodegradation activity. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 523-529	3.9	25
22	Reactable ionic liquid synthesis and visible-light photocatalytic activity of dendritic ferric oxide hierarchical structures. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 806	0.9	2
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20	Synthesis, characterization and photocatalytic property of AgBr/BiPO <sub>4</sub> heterojunction photocatalyst. <i>Dalton Transactions</i> , <b>2012</b> , 41, 3387-94	4.3	186
19	Plasmonic-enhanced visible-light-driven photocatalytic activity of Ag/AgBr synthesized in reactable ionic liquid. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 1626-1633	3.5	19
18	One-pot synthesis of visible-light-driven plasmonic photocatalyst Ag/AgCl in ionic liquid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 22-9	9.5	200
17	Enhanced photocatalytic activity of new photocatalyst Ag/AgCl/ZnO. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3286-3292	5.7	137
16	Synthesis, characterization and photocatalytic activity of NaNbO <sub>3</sub> /ZnO heterojunction photocatalysts. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9157-9163	5.7	38
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11	Self-assembly and enhanced optical absorption of Bi <sub>2</sub> WO <sub>6</sub> nests via ionic liquid-assisted hydrothermal method. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 121, 6-9	4.4	34
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9	Ionic liquid-assisted hydrothermal synthesis of three-dimensional hierarchical CuO peachstone-like architectures. <i>Applied Surface Science</i> , <b>2010</b> , 256, 1871-1877	6.7	41
8	Photocatalytic activity of La <sub>2</sub> O <sub>3</sub> -modified silver vanadates catalyst for Rhodamine B dye degradation under visible light irradiation. <i>Chemical Engineering Journal</i> , <b>2010</b> , 160, 33-41	14.7	81
7	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> , <b>2009</b> , 70, 1461-1464	3.9	61
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4	Synthesis of BaMoO <sub>4</sub> Nestlike Nanostructures Under a New Growth Mechanism. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2275-2281	3.5	90
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