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Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis

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#	Paper	IF	Citations
347	Next-Generation Multifunctional CarbonMetal Nanohybrids for Energy and Environmental Applications.		
346	Carbon Dots Sensitized BiOI with Dominant {001} Facets for Superior Photocatalytic Performance. <b>2015</b> , 54, 12788-12794		77
345	Efficient Reduction of CO <sub>2</sub> into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. <b>2016</b> , 128, 9158-9162		49
344	Efficient Reduction of CO <sub>2</sub> into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. <b>2016</b> , 55, 9012-6		149
343	Synthesis of a novel catalyst based on Fe(II)/Fe(III) oxide and high alumina coal fly ash for the degradation of o-methyl phenol. <b>2016</b> , 133, 986-993		21
342	Enhanced photocatalytic activity of Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> through loading Pt quantum dots as a highly efficient electron capturer. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 195, 132-140	21.8	65
341	Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> )-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. <b>2016</b> , 116, 7159-329		4018
340	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
339	Ionic liquid-assisted strategy for bismuth-rich bismuth oxybromides nanosheets with superior visible light-driven photocatalytic removal of bisphenol-A. <b>2016</b> , 473, 112-9		40
338	The formation mechanism of a Er <sup>3+</sup> -doped heterojunction ms/tz-BiVO <sub>4</sub> with enhanced photocatalytic performance under visible light. <b>2016</b> , 6, 34666-34673		4
337	Graphene-like BN/BiOBr composite: synthesis via a reactable ionic liquid and enhanced visible light photocatalytic performance. <b>2016</b> , 31, 463-470		4
336	Carbon quantum dots decorated Bi <sub>2</sub> WO <sub>6</sub> nanocomposite with enhanced photocatalytic oxidation activity for VOCs. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 193, 16-21	21.8	198
335	Synthesis of novel 2D-2D p-n heterojunction BiOBr/La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> composite photocatalyst with enhanced photocatalytic performance under both UV and visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 194, 157-168	21.8	208
334	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. <b>2016</b> , 424, 331-341		42
333	Carbon dots/quinoline derivative nanocomposite: facile synthesis and application as a "turn-off" fluorescent chemosensor for detection of Cu <sup>2+</sup> ions in tap water. <b>2016</b> , 6, 87230-87236		16
332	Multifarious roles of carbon quantum dots in heterogeneous photocatalysis. <b>2016</b> , 25, 927-935		83
331	WO <sub>3</sub> nanorod photocatalysts decorated with few-layer g-C <sub>3</sub> N <sub>4</sub> nanosheets: controllable synthesis and photocatalytic mechanism research. <b>2016</b> , 6, 80193-80200		16

330	Exceptional activity for photocatalytic mineralization of formaldehyde over amorphous titania nanofilms. <b>2016</b> , 306, 1001-1009		15
329	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
328	Synthesis of BiOBr/carbon quantum dots microspheres with enhanced photoactivity and photostability under visible light irradiation. <b>2016</b> , 527, 127-136		55
327	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO <sub>4</sub> Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. <b>2016</b> , 8, 32887-32900		325
326	An efficient visible-light photocatalyst made from a nonpolar layered semiconductor by grafting electron-withdrawing organic molecules to its surface. <b>2016</b> , 52, 13507-13510		29
325	Synthesis of carbon quantum dots/TiO <sub>2</sub> nanocomposite for photo-degradation of Rhodamine B and cefradine. <i>Diamond and Related Materials</i> , <b>2016</b> , 70, 137-144	3.5	40
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323	Enhanced visible light photocatalytic activity and stability of CQDs/BiOBr composites: The upconversion effect of CQDs. <b>2016</b> , 685, 34-41		69
322	Photoelectrochemical sensing of 4-chlorophenol based on Au/BiOCl nanocomposites. <b>2016</b> , 156-157, 257-264		32
321	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. <b>2016</b> , 478, 324-33		41
320	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <b>2016</b> , 98, 613-623		104
319	Boron doped BiOBr nanosheets with enhanced photocatalytic inactivation of Escherichia coli. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 192, 35-45	21.8	156
318	Alkali-Induced in Situ Fabrication of Bi <sub>2</sub> O <sub>4</sub> -Decorated BiOBr Nanosheets with Excellent Photocatalytic Performance. <b>2016</b> , 120, 7715-7727		94
317	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. <b>2016</b> , 4, 5051-5061		110
316	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
315	A simple method for preparing ZnO foam/carbon quantum dots nanocomposite and their photocatalytic applications. <b>2016</b> , 47, 25-31		49
314	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
313	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

312	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
311	The highly enhanced visible light photocatalytic degradation of gaseous o -dichlorobenzene through fabricating like-flowers BiPO <sub>4</sub> /BiOBr p-n heterojunction composites. <b>2017</b> , 391, 525-534		82
310	Photocatalytic degradation of butyric acid over Cu <sub>2</sub> O/Bi <sub>2</sub> WO <sub>6</sub> composites for simultaneous production of alkanes and hydrogen gas under UV irradiation. <b>2017</b> , 42, 7917-7929		26
309	Environment-Friendly Carbon Quantum Dots/ZnFeO Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. <b>2017</b> , 51, 2924-2933		194
308	CuS-Passivated carbon dots for enhancing photocatalytic activity. <b>2017</b> , 53, 2343-2346		28
307	Constructing nitrogen doped graphene quantum dots-ZnNb <sub>2</sub> O <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> catalysts for hydrogen production under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 531-537	21.8	93
306	Carbon nanodots/WO <sub>3</sub> nanorods Z-scheme composites: Remarkably enhanced photocatalytic performance under broad spectrum. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 253-264	21.8	144
305	Novel fluorinated Bi <sub>2</sub> MoO <sub>6</sub> nanocrystals for efficient photocatalytic removal of water organic pollutants under different light source illumination. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 1-11	21.8	208
304	Facile synthesis of N-doped carbon dots/g-C <sub>3</sub> N <sub>4</sub> photocatalyst with enhanced visible-light photocatalytic activity for the degradation of indomethacin. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 207, 103-113	21.8	342
303	Carbon quantum dots modified CdSe loaded reduced graphene oxide for enhancing photocatalytic activity. <b>2017</b> , 50, 147-154		33
302	One-pot microemulsion-mediated synthesis of Bi-rich Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> with controllable morphologies and excellent visible-light photocatalytic removal of pollutants. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 207, 153-165	21.8	94
301	Carbon dots/BiOCl films with enhanced visible light photocatalytic performance. <b>2017</b> , 19, 1		11
300	Graphene-analogue h-BN coupled Bi-rich Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> layered microspheres for enhanced visible-light photocatalytic activity and mechanism insight. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 386-399	21.8	84
299	BiOBr <sub>0.75</sub> I <sub>0.25</sub> /BiOI/O <sub>3</sub> as a Novel Heterojunctional Photocatalyst with Superior Visible-Light-Driven Photocatalytic Activity in Removing Diverse Industrial Pollutants. <b>2017</b> , 5, 3897-3905		59
298	An effective strategy to improve dynamic and cyclic stability of HQC/TiO <sub>2</sub> photocatalyst by introducing carbon quantum dots or iron ion via metal-complex. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 504-512	21.8	10
297	A facile route to the synthesis of magnetically separable BiOBr/NiFe <sub>2</sub> O <sub>4</sub> composites with enhanced photocatalytic performance. <b>2017</b> , 419, 586-594		52
296	Dahlia-shaped BiOCl structures prepared by a facile solid-state method: Evidence and mechanism of improved photocatalytic degradation of rhodamine B dye. <b>2017</b> , 503, 115-123		37
295	Facile preparation of BiOX (X = Cl, Br, I) nanoparticles and up-conversion phosphors/BiOBr composites for efficient degradation of NO gas: Oxygen vacancy effect and near infrared light responsive mechanism. <b>2017</b> , 325, 59-70		112

294	Room-temperature synthesis of carnation-like ZnO@AgI hierarchical nanostructures assembled by AgI nanoparticles-decorated ZnO nanosheets with enhanced visible light photocatalytic activity. <b>2017</b> , 502, 77-88	44
293	Photocatalyzed degradation/abatement of endocrine disruptors. <b>2017</b> , 6, 101-138	28
292	A Z-scheme magnetic recyclable Ag/AgBr@CoFe <sub>2</sub> O <sub>4</sub> photocatalyst with enhanced photocatalytic performance for pollutant and bacterial elimination. <b>2017</b> , 7, 30845-30854	35
291	One-pot electrochemical preparation of BiOCl/BiPO <sub>4</sub> double-layer heterojunction film with efficient photocatalytic performance. <b>2017</b> , 94, 222-230	20
290	Carbon quantum dot sensitized Pt@Bi <sub>2</sub> WO <sub>6</sub> /FTO electrodes for enhanced photoelectro-catalytic activity of methanol oxidation. <b>2017</b> , 7, 26943-26951	26
289	Carbon quantum dots/Bi <sub>2</sub> MoO <sub>6</sub> composites with photocatalytic H <sub>2</sub> evolution and near infrared activity. <b>2017</b> , 346, 24-31	35
288	Novel 3DOM-SrTiO <sub>3</sub> /Ag/Ag <sub>3</sub> PO <sub>4</sub> ternary Z-scheme photocatalysts with remarkably improved activity and durability for contaminant degradation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 77-87 <sup>21.8</sup>	72
287	Carbon dots and Ag nanoparticles decorated g-C <sub>3</sub> N <sub>4</sub> nanosheets for enhanced organic pollutants degradation under sunlight irradiation. <b>2017</b> , 342, 42-52	62
286	In Situ Growth of Metal-Organic Framework on BiOBr 2D Material with Excellent Photocatalytic Activity for Dye Degradation. <b>2017</b> , 17, 2309-2313	65
285	Hybrid carbon dot/Ni <sub>3</sub> S <sub>2</sub> architecture supported on nickel foam for effective light collection and conversion. <b>2017</b> , 321, 608-613	15
284	Metallic Bi self-doping BiOCl composites: Synthesis and enhanced photoelectrochemical performance. <b>2017</b> , 196, 225-229	28
283	Nitrogen-doped carbon quantum dots/AgPO complex photocatalysts with enhanced visible light driven photocatalytic activity and stability. <b>2017</b> , 491, 238-245	49
282	Flower-like Ag <sub>2</sub> MoO <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> heterojunctions with enhanced photocatalytic activity under visible light irradiation. <b>2017</b> , 71, 156-164	43
281	Recent progress in carbon quantum dots: synthesis, properties and applications in photocatalysis. <b>2017</b> , 5, 3717-3734	604
280	Graphene-like sulfur-doped g-C <sub>3</sub> N <sub>4</sub> for photocatalytic reduction elimination of UO <sub>2</sub> <sup>2+</sup> under visible Light. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 319-326	21.8 114
279	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. <b>2017</b> , 114, 601-607	69
278	Designed C <sub>3</sub> N <sub>4</sub> /CdS@Bi <sub>2</sub> WO <sub>4</sub> core-shell heterostructure with excellent photocatalytic activity. <b>2017</b> , 41, 1028-1036	14
277	Synergistically enhanced photocatalysis from plasmonics and a co-catalyst in Au@ZnO@Bi <sub>2</sub> WO <sub>4</sub> ternary core-shell nanostructures. <b>2017</b> , 4, 2088-2096	40

276	Boosting the Visible-Light Photoactivity of BiOCl/BiVO <sub>4</sub> /N-GQD Ternary Heterojunctions Based on Internal Z-Scheme Charge Transfer of N-GQDs: Simultaneous Band Gap Narrowing and Carrier Lifetime Prolonging. <b>2017</b> , 9, 38832-38841		92
275	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <b>2017</b> , 7, 11665		42
274	Carbon-Based Nanocomposites for Visible Light-Induced Photocatalysis. <b>2017</b> , 203-249		4
273	Preparation of BiS/carbon quantum dot hybrid materials with enhanced photocatalytic properties under ultraviolet-, visible- and near infrared-irradiation. <b>2017</b> , 9, 15873-15882		29
272	Bismuth oxyhalide layered materials for energy and environmental applications. <b>2017</b> , 41, 172-192		272
271	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. <b>2017</b> , 347, 168-176		30
270	Novel mesoporous graphitic carbon nitride modified PbBiOBr porous microspheres with enhanced photocatalytic performance. <b>2017</b> , 507, 310-322		29
269	Non-light-driven reduced graphene oxide anchored TiO <sub>2</sub> nanocatalysts with enhanced catalytic oxidation performance. <b>2017</b> , 507, 35-41		10
268	BiOBr/BiOCl/carbon quantum dot microspheres with superior visible light-driven photocatalysis. <b>2017</b> , 7, 52614-52620		22
267	An environmentally friendly Z-scheme WO <sub>3</sub> /CDots/CdS heterostructure with remarkable photocatalytic activity and anti-photocorrosion performance. <b>2017</b> , 356, 1-13		79
266	Understanding size-dependent properties of BiOCl nanosheets and exploring more catalysis. <b>2017</b> , 505, 653-663		34
265	Fast electron transfer and enhanced visible light photocatalytic activity using multi-dimensional components of carbon quantum dots@3D daisy-like In <sub>2</sub> S <sub>3</sub> /single-wall carbon nanotubes. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 224-238	21.8	107
264	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO <sub>2</sub> /carbon dots photocatalyst: The significant roles of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 250-259	21.8	178
263	The effects of bifunctional linker and reflux time on the surface properties and photocatalytic activity of CdTe quantum dots decorated KTaO <sub>3</sub> composite photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 452-464	21.8	39
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261	Construction of up-converting fluorescent carbon quantum dots/Bi <sub>20</sub> TiO <sub>32</sub> composites with enhanced photocatalytic properties under visible light. <b>2017</b> , 310, 79-90		35
260	Controllable synthesis of {001} facet dependent foursquare BiOCl nanosheets: A high efficiency photocatalyst for degradation of methyl orange. <b>2017</b> , 695, 238-249		71
259	Microwave-assisted synthesis of flower-like BN/BiOCl composites for photocatalytic Cr(VI) reduction upon visible-light irradiation. <b>2017</b> , 114, 129-138		62

258	Boosting the photocatalytic performance of Ag <sub>2</sub> CO <sub>3</sub> crystals in phenol degradation via coupling with trace N-CQDs. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 1999-2008	11.3	40
257	Metal free and efficient photoelectrocatalytic removal of organic contaminants over g-C <sub>3</sub> N <sub>4</sub> nanosheet films decorated with carbon quantum dots. <b>2017</b> , 7, 56335-56343		27
256	Treatment of Aqueous Bromate by Superparamagnetic BiOCl-Mediated Advanced Reduction Process. <b>2017</b> , 7, 131		4
255	Synthesis of Ricinoleic Acid Estolides by the Esterification of Ricinoleic Acids Using Functional Acid Ionic Liquids as Catalysts. <b>2017</b> , 66, 753-759		14
254	Quantum dot-decorated semiconductor micro- and nanoparticles: A review of their synthesis, characterization and application in photocatalysis. <b>2018</b> , 256, 352-372		90
253	Enhanced visible light photocatalytic activity of BiOBr by reactable ionic liquid modification for pollutant degradation.. <b>2018</b> , 8, 7956-7962		24
252	CdSe nanoparticle-sensitized ZnO sheets for enhanced photocatalytic hydrogen evolution rates. <b>2018</b> , 747, 826-833		30
251	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. <b>2018</b> , 519, 263-272		49
250	Formation of BiOI/g-C <sub>3</sub> N <sub>4</sub> nanosheet composites with high visible-light-driven photocatalytic activity. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 654-663	11.3	48
249	Improving visible-light-driven photocatalytic NO oxidation over BiOBr nanoplates through tunable oxygen vacancies. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 779-789	11.3	38
248	Fabrication of Ag/CDots/BiOBr ternary photocatalyst with enhanced visible-light driven photocatalytic activity for 4-chlorophenol degradation. <b>2018</b> , 262, 194-203		28
247	Photocatalytic Composite of a Floating BiOBr@Graphene Oxide@Melamine Foam for Efficient Removal of Organics. <b>2018</b> , 10, 2394-2400		14
246	Enhanced visible-light-driven photocatalytic activities of 0D/1D heterojunction carbon quantum dot modified CdS nanowires. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 841-848	11.3	32
245	Magn $\eta$ phases Ti O $\eta$ as novel ozonation catalysts for effective mineralization of phenol. <b>2018</b> , 26, 1978-1984		4
244	Pd nanoparticle-decorated Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> nanosheets with enhanced visible-light photocatalytic activity for degradation of Bisphenol A. <b>2018</b> , 356, 440-450		29
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242	Environment-friendly 0D/2D Ag/CDots/BiOCl heterojunction with enhanced photocatalytic tetracycline degradation and mechanism insight. <b>2018</b> , 356, 411-417		19
241	Size dependence of nanosheet BiVO <sub>4</sub> with oxygen vacancies and exposed {0 0 1} facets on the photodegradation of oxytetracycline. <b>2018</b> , 337, 684-696		67

240	Photocatalytic degradation of fluoroquinolone antibiotics using ordered mesoporous g-C <sub>3</sub> N <sub>4</sub> under simulated sunlight irradiation: Kinetics, mechanism, and antibacterial activity elimination. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 114-122	21.8	183
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238	Fabrication of the metal-free biochar-based graphitic carbon nitride for improved 2-Mercaptobenzothiazole degradation activity. <b>2018</b> , 358, 284-293		47
237	Highly catalytic activity of nickel nanoparticles generated in poly(methylmethacrylate)@poly(2-hydroxyethylmethacrylate) (PMMA@PHEMA) core-shell micelles for the reduction of 4-nitrophenol (4-NP). <b>2018</b> , 8, 475-488		3
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235	Synthesis of a novel one-dimensional BiOBr/Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> heterostructure with a high quality interface and its enhanced visible-light photocatalytic activity. <b>2018</b> , 20, 2292-2298		26
234	BiOX (X = Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. <b>2018</b> , 254, 76-93		288
233	Hierarchical nanosheet-based BiMoO microboxes for efficient photocatalytic performance. <b>2018</b> , 47, 5542-5547		27
232	Novel N/Bi-BiOCl nanoplates synthesised in NH <sub>3</sub> atmosphere and their enhanced photocatalytic activity. <b>2018</b> , 22, 121-127		
231	Ag <sub>2</sub> O/sodium alginate-reduced graphene oxide aerogel beads for efficient visible light driven photocatalysis. <b>2018</b> , 430, 155-164		31
230	Enhanced visible-light-driven photocatalysis from WS <sub>2</sub> quantum dots coupled to BiOCl nanosheets: synergistic effect and mechanism insight. <b>2018</b> , 8, 201-209		75
229	Highly efficient photocatalysis toward tetracycline of nitrogen doped carbon quantum dots sensitized bismuth tungstate based on interfacial charge transfer. <b>2018</b> , 511, 296-306		92
228	Highly selective and sensitive detection of calcium (II) ions in human serum using novel fluorescent carbon dots. <b>2018</b> , 255, 3425-3433		47
227	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. <b>2018</b> , 331, 355-363		89
226	Fabricating carbon quantum dots doped ZnIn <sub>2</sub> S <sub>4</sub> nanoflower composites with broad spectrum and enhanced photocatalytic Tetracycline hydrochloride degradation. <b>2018</b> , 97, 158-168		40
225	Enhanced photocatalytic degradation for thiophene by Ag/BiMoO <sub>3</sub> heterojunction under visible-light irradiation. <b>2018</b> , 29, 3672-3681		16
224	Construction of solid-liquid interfacial Fenton-like reaction under visible light irradiation over etched CoFe <sub>2</sub> O <sub>4</sub> /BiOBr photocatalysts. <b>2018</b> , 8, 551-561		19
223	Design of ZIF-8/ion copolymer hierarchically porous material: Coordination effect on the adsorption and diffusion for carbon dioxide. <b>2018</b> , 261, 79-87		43



222	Carbon quantum dots/KNbO <sub>3</sub> hybrid composites with enhanced visible-light driven photocatalytic activity toward dye waste-water degradation and hydrogen production. <b>2018</b> , 445, 1-11	55
221	Graphene quantum dots from chemistry to applications. <b>2018</b> , 10, 221-258	306
220	Impacts of Land-Use Data on the Simulation of Surface Air Temperature in Northwest China. <b>2018</b> , 32, 896-908	7
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217	Enhanced photocatalytic activity in hybrid composite combined BiOBr nanosheets and Bi <sub>2</sub> S <sub>3</sub> nanoparticles. <b>2018</b> , 121, 163-171	33
216	Graphene oxide and carbon nanodots co-modified BiOBr nanocomposites with enhanced photocatalytic 4-chlorophenol degradation and mechanism insight. <b>2018</b> , 527, 78-86	30
215	Insight into the Transfer Mechanisms of Photogenerated Carriers for Heterojunction Photocatalysts with the Analogous Positions of Valence Band and Conduction Band: A Case Study of ZnO/TiO <sub>2</sub> . <b>2018</b> , 122, 15409-15420	45
214	Facile Synthesis of Self-Assembled g-C <sub>3</sub> N <sub>4</sub> with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <b>2018</b> , 6, 10200-10210	58
213	CQD-Based Composites as Visible-Light Active Photocatalysts for Purification of Water. <b>2018</b> ,	1
212	Nitrogen-doped carbon dots modified dibismuth tetraoxide microrods: A direct Z-scheme photocatalyst with excellent visible-light photocatalytic performance. <b>2018</b> , 531, 473-482	28
211	Facile Green Synthesis of BiOBr Nanostructures with Superior Visible-Light-Driven Photocatalytic Activity. <b>2018</b> , 11,	27
210	Facet, Junction and Electric Field Engineering of Bismuth-Based Materials for Photocatalysis. <b>2018</b> , 10, 4477-4496	62
209	Enhancement in Oxygen Reduction Reaction Activity of Nitrogen-Doped Carbon Nanostructures in Acidic Media through Chloride-Ion Exposure. <b>2018</b> , 5, 1966-1975	9
208	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. <b>2018</b> , 29, 805-810	57
207	TiO <sub>2</sub> nanoparticles embedded in borocarbonitrides nanosheets for sensitive and selective photoelectrochemical aptasensing of bisphenol A. <b>2018</b> , 818, 191-197	11
206	High quantum yield nitrogen-doped carbon dots: green synthesis and application as off-on fluorescent sensors for the determination of Fe <sup>3+</sup> and adenosine triphosphate in biological samples. <b>2018</b> , 276, 82-88	94
205	A simple, scalable approach for combining carbon dots with hexagonal nanoplates of nickel-based compounds for efficient photocatalytic reduction. <b>2018</b> , 47, 12694-12701	2

204	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
203	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> /BiOI n-p heterojunction magnetic photocatalysts. <b>2018</b> , 455, 742-747		44
202	Fabrication of GO/CDots/BiOI nanocomposites with enhanced photocatalytic 4-chlorophenol degradation and mechanism insight. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 382-389	8.3	26
201	Ultrasonic-assisted synthesis of two dimensional BiOCl/MoS with tunable band gap and fast charge separation for enhanced photocatalytic performance under visible light. <b>2019</b> , 533, 539-547		56
200	Visible-light-responsive photocatalyst with a microsphere structure: preparation and photocatalytic performance of CQDs@BiOCl. <b>2019</b> , 30, 16321-16336		6
199	Photocatalytic hydrogen energy evolution from antibiotic wastewater via metallic bi nanosphere doped g-C <sub>3</sub> N <sub>4</sub> : performances and mechanisms. <b>2019</b> , 9, 5279-5291		17
198	Design of Phthalocyanine-Nanoparticle Hybrids for Photodynamic Therapy Applications in Oxygen-Deficient Tumour Environment. <b>2019</b> , 4, 9084-9095		3
197	Novel SiO <sub>2</sub> nanoparticle-decorated BiOCl nanosheets exhibiting high photocatalytic performances for the removal of organic pollutants. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1212-1221	11.3	67
196	Basic properties and photo-generated carrier dynamics of bismuth vanadate composites modified with CQDs, MWCNTs and rGO. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 580, 123678	5.1	5
195	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
194	CQDs modified PbBiO <sub>2</sub> Cl nanosheets with improved molecular oxygen activation ability for photodegradation of organic contaminants. <b>2019</b> , 382, 111921		9
193	Visible-Light-Driven p-n Type BiMSbO <sub>6</sub> (M=Ti, Sn)/BiOBr Heterojunction Photocatalyst toward Degradation of Levofloxacin. <b>2019</b> , 4, 11531-11540		3
192	1D/2D MnWO <sub>4</sub> nanorods anchored on g-C <sub>3</sub> N <sub>4</sub> nanosheets for enhanced photocatalytic degradation ofloxacin under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 581, 123845	5.1	22
191	Facile Synthesis of Flower-Like AgI/BiOBr Z-Scheme Nanocomposite with Enhanced Photocatalytic Activity for Degradation of 17 $\beta$ -Estradiol (EE2). <b>2019</b> , 14, 1950007		3
190	Ultrathin Two-Dimensional Semiconductors for Photocatalysis in Energy and Environment Applications. <b>2019</b> , 11, 6147-6165		33
189	Ultrathin BiOCl/nitrogen-doped graphene quantum dots composites with strong adsorption and effective photocatalytic activity for the degradation of antibiotic ciprofloxacin. <b>2019</b> , 496, 143655		40
188	The effective photocatalysis and antibacterial properties of AgBr/AgMoO@ZnO composites under visible light irradiation. <b>2019</b> , 35, 719-731		8
187	Hybridizing engineering strategy of non-lacunary (nBu <sub>4</sub> N) <sub>4</sub> W <sub>10</sub> O <sub>32</sub> by carbon quantum dot with remarkably enhanced visible-light-catalytic oxidation performance. <b>2019</b> , 587, 117261		8

186	Solar-driven conversion of arylboronic acids to phenols using metal-free heterogeneous photocatalysts. <b>2019</b> , 378, 63-67		8
185	Graphite-like carbon nitride quantum dot (CNQD)-modified Bi <sub>2</sub> MoO <sub>6</sub> heterostructure with high visible-light photocatalytic activity. <b>2019</b> , 43, 162-167		5
184	N-doped carbon dots sensor for selective detection of hydroxylamine hydrochloride. <b>2019</b> , 94, 121-129		9
183	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
182	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
181	Photocatalytic degradation performance of cadmium tungstate (CdWO <sub>4</sub> ) nanosheets-assembly and their hydrogen storage features. <b>2019</b> , 45, 19015-19021		16
180	Study on the desulfurization performance of metal-based low transition temperature mixtures: Removal of hydrogen sulfide and sulfur recovery. <b>2019</b> , 193, 372-377		13
179	Heterogeneous activation of peroxymonosulfate for bisphenol AF degradation with BiOCl. <b>2019</b> , 9, 14060-14071		21
178	Enhanced charge separation and increased oxygen vacancies of h-BN/OV-BiOCl for improved visible-light photocatalytic performance.. <b>2019</b> , 9, 14286-14295		16
177	Complete degradation of ciprofloxacin over g-CN-iron oxide composite via heterogeneous dark Fenton reaction. <b>2019</b> , 244, 23-32		21
176	A facile approach to synthesize carbon quantum dots with pH-dependent properties. <b>2019</b> , 169, 73-80		15
175	Recent Progress of Carbon Dot Precursors and Photocatalysis Applications. <b>2019</b> , 11,		70
174	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
173	Fabrication of a zinc tungstate-based a p-n heterojunction photocatalysts towards refractory pollutants degradation under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 573, 137-145	5.1	17
172	Fabricating photoelectrochemical aptasensor for sensitive detection of aflatoxin B1 with visible-light-driven BiOBr/nitrogen-doped graphene nanoribbons. <b>2019</b> , 840, 67-73		14
171	Ultrasonic-assisted alcoholysis preparation of BiOCl <sub>x</sub> Br <sub>1-x</sub> modified BiOF microstructure with enhanced photocatalytic performance. <b>2019</b> , 30, 5995-6006		2
170	Facile Synthesis of Carbon Dots@2D MoS Heterostructure with Enhanced Photocatalytic Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5746-5752	5.1	21
169	Design and construction of Z-scheme BiS/nitrogen-doped graphene quantum dots: Boosted photoelectric conversion efficiency for high-performance photoelectrochemical aptasensing of sulfadimethoxine. <b>2019</b> , 130, 230-235		42

168	Remarkable Improvement in Photocatalytic Performance for Tannery Wastewater Processing via SnS Modified with N-Doped Carbon Quantum Dots: Synthesis, Characterization, and 4-Nitrophenol-Aided Cr(VI) Photoreduction. <b>2019</b> , 15, e1804515		30
167	Synthesis and Photocatalytic Activity of Fe <sub>3</sub> O <sub>4</sub> /WO <sub>3</sub> /CQD Multifunctional System. <b>2019</b> , 29, 1297-1304		3
166	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C <sub>3</sub> N <sub>4</sub> . <b>2019</b> , 4, 198-206		22
165	Morphology, surface properties and photocatalytic activity of the bismuth oxyhalides semiconductors prepared by ionic liquid assisted solvothermal method. <i>Separation and Purification Technology</i> , <b>2019</b> , 217, 164-173	8.3	23
164	A facile solvothermal method synthesis of nitrogen-doped graphene quantum dots/BiOX (X=Br, Cl) hybrid material for enhanced visible-light photoactivity. <b>2019</b> , 176, 448-456		17
163	Controlled preparation of fiber-shaped 4-Br/Bi <sub>2</sub> O <sub>3</sub> composite photocatalysts with excellent visible-light photocatalytic activity. <b>2019</b> , 54, 1549-1565		3
162	Electronic and photocatalytic properties of modified MoS <sub>2</sub> /graphene quantum dots heterostructures: A computational study. <b>2019</b> , 473, 70-76		9
161	Nitrogen doped carbon quantum dots promoted the construction of Z-scheme system with enhanced molecular oxygen activation ability. <b>2019</b> , 541, 123-132		32
160	Change in photocatalytic NO removal mechanisms of ultrathin BiOBr/BiOI via NO <sub>3</sub> <sup>-</sup> adsorption. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 322-329	21.8	107
159	Enhancement of adsorption and visible light photocatalytic activity of the Zn <sup>2+</sup> -doped BiOBr/PVP modified microspheres for RhB. <b>2019</b> , 90, 112-119		15
158	Photoelectrochemical Degradation of Organic Pollutants Using BiOBr Anode Coupled with Simultaneous CO <sub>2</sub> Reduction to Liquid Fuels via CuO Cathode. <b>2019</b> , 7, 1250-1259		26
157	Recent Advances in Photocatalytic Detoxification of Water. <b>2019</b> , 653-688		6
156	In-situ preparation of NH <sub>2</sub> -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <b>2019</b> , 466, 525-534		79
155	Promoting LED light driven photocatalytic inactivation of bacteria by novel Bi <sub>2</sub> O <sub>3</sub> @BiOBr core/shell photocatalyst. <b>2020</b> , 816, 152665		28
154	Photoelectrocatalytic degradation of Ag-cyanide complexes and synchronous recovery of metallic Ag driven by TiO <sub>2</sub> nanorods array photoanode combined with titanium cathode. <i>Chemosphere</i> , <b>2020</b> , 242, 125156	8.4	6
153	Investigation the High Photocatalytic Activity of Magnetically Separable Graphene Oxide Modified BiOBr Nanocomposites for Degradation of Organic Pollutants and Antibiotic. <b>2020</b> , 30, 1703-1715		4
152	Application of Bismuth-Based Photocatalysts in Environmental Protection. <b>2020</b> , 87-118		6
151	Novel up-conversion carbon quantum dots/FeOOH nanohybrids eliminate tetracycline and its related drug resistance in visible-light responsive Fenton system. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 118336	21.8	44

150	Highly active metal-free carbon dots/g-CN hollow porous nanospheres for solar-light-driven PPCPs remediation: Mechanism insights, kinetics and effects of natural water matrices. <b>2020</b> , 172, 115492	67
149	Hierarchically porous BiOCl@NiCo <sub>2</sub> O <sub>4</sub> nanoplates as low-cost and highly efficient catalysts for the discoloration of organic contaminants in aqueous media. <b>2020</b> , 44, 258-264	8
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147	Direct Z-scheme hierarchical WO <sub>3</sub> /BiOBr with enhanced photocatalytic degradation performance under visible light. <b>2020</b> , 509, 145201	43
146	The optical properties and solar energy conversion applications of carbon quantum dots: A review. <b>2020</b> , 196, 549-566	76
145	Performance of Ag/BiOBr/GO composite photocatalyst for visible-light-driven dye pollutants degradation. <b>2020</b> , 9, 610-621	18
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143	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /BiOBr heterojunctions on carbon fibers as weaveable photocatalyst for degrading tetracycline hydrochloride under visible light. <b>2020</b> , 386, 124010	116
142	Surfactants-assisted preparation of BiVO with novel morphologies via microwave method and CdS decoration for enhanced photocatalytic properties. <b>2020</b> , 387, 122019	18
141	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. <b>2020</b> , 391, 112343	32
140	Carbon quantum dots sensitized Bi <sub>2</sub> O <sub>3</sub> photoanode with enhanced photoelectrocatalytic properties. <b>2020</b> , 739, 137025	6
139	Design of a Z-scheme g-CN/CQDs/CdInS composite for efficient visible-light-driven photocatalytic degradation of ibuprofen. <b>2020</b> , 259, 113770	29
138	High-efficient precious-metal-free g-C <sub>3</sub> N <sub>4</sub> -Fe <sub>3</sub> O <sub>4</sub> /EFeOOH photocatalyst based on double-heterojunction for visible-light-driven hydrogen evolution. <b>2020</b> , 506, 144948	16
137	Carbon quantum dots as fluorescence sensors for label-free detection of folic acid in biological samples. <b>2020</b> , 229, 117931	27
136	Synthesis and modification of biomass derived carbon dots in ionic liquids and their application: A mini review. <b>2020</b> , 1, 94-108	11
135	Graphitic Carbon Nitride/Copper-Iron Oxide Composite for Effective Fenton Degradation of Ciprofloxacin at Near-Neutral pH. <b>2020</b> , 5, 8198-8206	3
134	Architecting epitaxial-lattice-mismatch-free (LMF) zinc oxide/bismuth oxyiodide nano-heterostructures for efficient photocatalysis. <b>2020</b> , 8, 11263-11273	9
133	Heterojunction Photocatalysts Based on 2D Materials: The Role of Configuration. <b>2020</b> , 4, 2000130	49

132	Biomedical Waste Management by Using Nanophotocatalysts: The Need for New Options. <b>2020</b> , 13,	14
131	Recent advances in bismuth oxyhalide-based functional materials for photoelectrochemical sensing. <b>2020</b> , 131, 116020	13
130	Core-shell Structured Bi/BiOBr Photoelectrodes for Efficient Photoelectrochemical Water Splitting. <b>2020</b> , 124, 24164-24170	8
129	Prediction of viscosity and surface tension properties of aqueous solution of ionic liquids EMIES. <b>2020</b> , 320, 114460	3
128	Incorporation of Cesium Lead Halide Perovskites into g-CN for Photocatalytic CO Reduction. <b>2020</b> , 5, 24495-24503	19
127	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. <b>2020</b> , 12, 167	35
126	Effects of Thiophene and Benzene Ring Accumulation on the Photocatalytic Performance of Polymers. <b>2020</b> , 5, 22674-22681	1
125	Carbon quantum Dot@Silver nanocomposite-based fluorescent imaging of intracellular superoxide anion. <b>2020</b> , 187, 484	8
124	Experimental methods in chemical engineering: Electron paramagnetic resonance spectroscopy-EPR/ESR. <b>2020</b> , 98, 1668-1681	8
123	One-step synthesis of a novel Z-scheme m-Bi <sub>2</sub> O <sub>4</sub> /Bi <sub>2</sub> O <sub>4</sub> heterojunction for enhanced degradation of organic dyes and phenol under visible light. <b>2020</b> , 55, 10453-10465	6
122	Activation of persulfate by novel TiO <sub>2</sub> /FeOCl photocatalyst under visible light: Facile synthesis and high photocatalytic performance. <i>Separation and Purification Technology</i> , <b>2020</b> , 250, 117268	8.3 44
121	Preparation of Y <sup>3+</sup> -doped BiOCl photocatalyst and its enhancing effect on degradation of tetracycline hydrochloride wastewater. <b>2020</b> , 843, 155598	27
120	Photoelectrochemical detection of chromium (VI) using layered MoS <sub>2</sub> modified BiOI. <b>2020</b> , 132, 1	8
119	Novel p-n type porous Ag <sub>2</sub> O/Bi <sub>5</sub> O <sub>7</sub> I heterojunction for UV/vis-NIR activated high efficient photocatalytic degradation of bisphenol A: Photoelectric properties and degradation mechanism. <b>2020</b> , 529, 147162	19
118	A recyclable photocatalytic tea-bag-like device model based on ultrathin Bi/C/BiOX (X = Cl, Br) nanosheets. <b>2020</b> , 515, 145967	19
117	Synthesis of sodium dodecyl sulfate modified BiOBr/magnetic bentonite photocatalyst with Three-dimensional parterre like structure for the enhanced photodegradation of tetracycline and ciprofloxacin. <b>2020</b> , 388, 124374	35
116	Ultrathin BiOX (X = Cl, Br, I) Nanosheets with Exposed {001} Facets for Photocatalysis. <b>2020</b> , 3, 1981-1991	54
115	Hydrothermal preparation of carbon modified KNb <sub>3</sub> O <sub>8</sub> nanosheets for efficient photocatalytic H <sub>2</sub> evolution. <b>2020</b> , 46, 11421-11426	38

114	Excitonic AuRu(PPh)(SCHPh) cluster for light-driven dinitrogen fixation. <b>2020</b> , 11, 2440-2447		23
113	Green BiOI impregnated 2-dimensional cylindrical carbon block: A promising solution for environmental remediation and easy recovery of the photocatalyst. <i>Separation and Purification Technology</i> , <b>2020</b> , 240, 116628	8.3	16
112	A new insight on the role of CQDs in driving BiOBr into broader-spectrum-response: Dual function of up-conversion and photosensitization effect. <b>2020</b> , 747, 137340		4
111	Ionic liquid induced mechanochemical synthesis of BiOBr ultrathin nanosheets at ambient temperature with superior visible-light-driven photocatalysis. <b>2020</b> , 574, 131-139		21
110	Surface plasma Ag-decorated Bi <sub>5</sub> O <sub>7</sub> I microspheres uniformly distributed on a zwitterionic fluorinated polymer with superfunctional antifouling property. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 271, 118920	21.8	17
109	CQDs decorated oxygen vacancy-rich CeO <sub>2</sub> /BiOCl heterojunctions for promoted visible light photoactivity towards chromium (VI) reduction and rhodamine B degradation. <b>2021</b> , 859, 157837		12
108	In situ preparation of g-CN nanosheet/FeOCl: Achievement and promoted photocatalytic nitrogen fixation activity. <b>2021</b> , 587, 538-549		25
107	Fabrication of redox-mediator-free Z-scheme CdS/NiCo <sub>2</sub> O <sub>4</sub> photocatalysts with enhanced visible-light driven photocatalytic activity in Cr(VI) reduction and antibiotics degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 608, 125582	5.1	13
106	The hierarchical layered microsphere of BiO <sub>1-x</sub> Br <sub>1-x</sub> solid solution decorated with N-doped CQDs with enhanced visible light photocatalytic oxidation pollutants. <b>2021</b> , 406, 127155		20
105	The quaternary system of Ag <sub>2</sub> S/ZnS co-modified ZnO/TiO <sub>2</sub> nanotree arrays: Excellent photocatalysis and photoelectrochemistry performance. <b>2021</b> , 538, 148044		20
104	Facile synthesis of GO as middle carrier modified flower-like BiOBr and C <sub>3</sub> N <sub>4</sub> nanosheets for simultaneous treatment of chromium(VI) and tetracycline. <b>2021</b> , 32, 2187-2191		10
103	Carbonized polymer dots modified ultrathin Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> nanosheets Z-scheme heterojunction for robust CO <sub>2</sub> photoreduction. <b>2021</b> , 232, 116338		14
102	Facile green synthesis of fingernails derived carbon quantum dots for Cu <sup>2+</sup> sensing and photodegradation of 2,4-dichlorophenol. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104622	6.8	6
101	Distinct structure assembly driven by metal-ligand binding in Au nanoclusters and its relation to photocatalysis. <b>2021</b> , 57, 2176-2179		4
100	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. <b>2021</b> , 47, 1601-1613		2
99	Design of earth-abundant Z-scheme g-C <sub>3</sub> N <sub>4</sub> /rGO/FeOOH ternary heterojunctions with excellent photocatalytic activity. <b>2021</b> , 23, 1991-1998		3
98	Construction of Bi/Bi <sub>5</sub> O <sub>7</sub> I anchored on a polymer with boosted interfacial charge transfer for biofouling resistance and photocatalytic H <sub>2</sub> evolution. <b>2021</b> , 11, 1330-1336		1
97	In-situ construction of 3D nanoflower-like BiOI/Bi <sub>2</sub> SiO <sub>5</sub> heterojunctions with enhanced photocatalytic performance for removal of decontaminants originated from a step-scheme mechanism. <b>2021</b> , 544, 148883		12

96	Morphology and Environmental Applications of Bismuth Compound Nano-Photocatalytic Materials: A Review. 1		
95	Visible-light-activated g-C <sub>3</sub> N <sub>4</sub> nanosheet/carbon dot/FeOCl nanocomposites: Photodegradation of dye pollutants and tetracycline hydrochloride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 617, 126424	5.1	18
94	An overview of the recent advances of carbon quantum dots/metal oxides in the application of heterogeneous photocatalysis in photodegradation of pollutants towards visible-light and solar energy exploitation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105199	6.8	22
93	A critical review on bismuth oxyhalide based photocatalysis for pharmaceutical active compounds degradation: Modifications, reactive sites, and challenges. <b>2021</b> , 412, 125186		25
92	Integration of oxygen vacancies into BiOI via a facile alkaline earth ion-doping strategy for the enhanced photocatalytic performance toward indometacin remediation. <b>2021</b> , 412, 125147		14
91	Regulation of band edge and specific surface area of BiInyOCl microsphere for excellent photocatalytic performance. <b>2021</b> , 867, 159052		4
90	Graphene Quantum Dots-Ornamented Waterborne Epoxy-Based Fluorescent Adhesive via Reversible Addition-Fragmentation Chain Transfer-Mediated Miniemulsion Polymerization: A Potential Material for Art Conservation. <b>2021</b> , 13, 36307-36319		4
89	One-step synthesis of reduced graphene oxide based ceric dioxide modified with cadmium sulfide (CeO/CdS/RGO) heterojunction with enhanced sunlight-driven photocatalytic activity. <b>2021</b> , 594, 621-634		11
88	Synthetic BiOBr/Bi <sub>2</sub> S <sub>3</sub> /CdS Crystalline Material and Its Degradation of Dye under Visible Light. <b>2021</b> , 11, 899		3
87	Estimation of the polarity and prediction of the molar surface Gibbs energy for amino acid ionic liquids [C <sub>4</sub> Dmim][Gly] and [C <sub>4</sub> Dmim][Ala]. <b>2021</b> , 158, 106418		5
86	Rational design bionic flower-like BiOBr <sub>0.5</sub> IO <sub>0.5</sub> /WS <sub>2</sub> Z-scheme heterojunction for efficient oxidation of Hg <sup>0</sup> : Synergistic effect of facets exposed and intrinsic defects. <b>2021</b> , 416, 129537		7
85	Carbon dots modified bismuth antimonate for broad spectrum photocatalytic degradation of organic pollutants: Boosted charge separation, DFT calculations and mechanism unveiling. <b>2021</b> , 418, 129460		19
84	Some physical investigations on NiCo <sub>2</sub> O <sub>4</sub> thin films for potential applications. <b>2021</b> , 127, 1		1
83	Fast fabrication of bismuth oxyiodide/carbon-nanofibers composites for efficient anti-proliferation of liver and breast cancer cells. <b>2021</b> , 647, 1921		1
82	Carbon dots-based catalyst for various organic transformations. <b>2021</b> , 56, 17369-17410		4
81	High Carrier Separation Efficiency in Morphology-Controlled BiOBr/C Schottky Junctions for Photocatalytic Overall Water Splitting. <b>2021</b> , 15, 13209-13219		17
80	The photocatalytic potential of BiOBr for wastewater treatment: A mini-review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105404	6.8	7
79	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



78	Designing and modification of bismuth oxyhalides BiOX (X = Cl, Br and I) photocatalysts for improved photocatalytic performance. <b>2021</b> , 105, 1-1	6
77	Bi and Al co-doped anatase titania for photosensitized degradation of Rhodamine B under visible-light irradiation. <b>2021</b> , 47, 28296-28303	5
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64	Synthesis of mesoporous BiOI flower and facile in-situ preparation of BiOI/BiOCl mixture for enhanced photocatalytic degradation of toxic dye, Rhodamine-B. <b>2021</b> , 8, 100077	0
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