Jiexiang Xia

List of Publications by Year in descending order

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		9234	14156
213	18,371	74	128
papers	citations	h-index	g-index

214	214	214	13078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel visible-light-driven AgX/graphite-like C3N4 (X=Br, I) hybrid materials with synergistic photocatalytic activity. Applied Catalysis B: Environmental, 2013, 129, 182-193.	10.8	595
2	Novel visible-light-driven CQDs/Bi 2 WO 6 hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight. Applied Catalysis B: Environmental, 2015, 168-169, 51-61.	10.8	486
3	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. Advanced Functional Materials, 2018, 28, 1801983.	7.8	472
4	Preparation of sphere-like g-C3N4/BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. Journal of Materials Chemistry A, 2014, 2, 5340.	5.2	439
5	Bismuth oxyhalide layered materials for energy and environmental applications. Nano Energy, 2017, 41, 172-192.	8.2	413
6	Ionic liquid-induced strategy for carbon quantum dots/BiOX (X = Br, Cl) hybrid nanosheets with superior visible light-driven photocatalysis. Applied Catalysis B: Environmental, 2016, 181, 260-269.	10.8	380
7	Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu²⁺. Nanoscale, 2014, 6, 1406-1415.	2.8	351
8	Fe₃O₄â€Decorated Co₉S₈ Nanoparticles In Situ Grown on Reduced Graphene Oxide: A New and Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Functional Materials, 2016, 26, 4712-4721.	7.8	348
9	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu2+. Journal of Materials Chemistry A, 2014, 2, 2563.	5.2	330
10	Defectâ€Rich Bi₁₂O₁₇Cl₂ Nanotubes Selfâ€Accelerating Charge Separation for Boosting Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 14847-14851.	7.2	329
11	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	5.8	327
12	Defectâ€Tailoring Mediated Electronâ€“Hole Separation in Singleâ€Unitâ€Cell Bi₃O₄Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. Advanced Materials, 2019, 31, e1807576.	11.1	311
13	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi₂MoO₆. Nanoscale, 2015, 7, 11433-11443.	2.8	306
14	Carbon Quantum Dots Modified BiOCl Ultrathin Nanosheets with Enhanced Molecular Oxygen Activation Ability for Broad Spectrum Photocatalytic Properties and Mechanism Insight. ACS Applied Materials & Interfaces, 2015, 7, 20111-20123.	4.0	302
15	Advanced photocatalytic performance of graphene-like BN modified BiOBr flower-like materials for the removal of pollutants and mechanism insight. Applied Catalysis B: Environmental, 2016, 183, 254-262.	10.8	294
16	Synthesis of magnetic CoFe2O4/g-C3N4 composite and its enhancement of photocatalytic ability under visible-light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 478, 71-80.	2.3	253
17	Atomically-thin Bi2MoO6 nanosheets with vacancy pairs for improved photocatalytic CO2 reduction. Nano Energy, 2019, 61, 54-59.	8.2	243
18	Improved visible light photocatalytic activity of sphere-like BiOBr hollow and porous structures synthesized via a reactable ionic liquid. Dalton Transactions, 2011, 40, 5249.	1.6	236

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19	Nitrogen-Doped Carbon Quantum Dots/BiOBr Ultrathin Nanosheets: In Situ Strong Coupling and Improved Molecular Oxygen Activation Ability under Visible Light Irradiation. ACS Sustainable Chemistry and Engineering, 2016, 4, 136-146.	3.2	233
20	Self-Assembly and Enhanced Photocatalytic Properties of BiOI Hollow Microspheres via a Reactable Ionic Liquid. Langmuir, 2011, 27, 1200-1206.	1.6	228
21	Synthesis and characterization of g-C3N4/MoO3 photocatalyst with improved visible-light photoactivity. Applied Surface Science, 2013, 283, 25-32.	3.1	227
22	Commercially available molybdic compound-catalyzed ultra-deep desulfurization of fuels in ionic liquids. Green Chemistry, 2008, 10, 641.	4.6	214
23	One-Pot Synthesis of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl in Ionic Liquid. ACS Applied Materials & Interfaces, 2011, 3, 22-29.	4.0	211
24	Synthesis, characterization and photocatalytic property of AgBr/BiPO4 heterojunction photocatalyst. Dalton Transactions, 2012, 41, 3387.	1.6	204
25	Controllable synthesis of Bi₄O₅Br₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. Journal of Materials Chemistry A, 2015, 3, 15108-15118.	5.2	202
26	Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 15864-15874.	5.2	196
27	Oxidative Desulfurization of Fuels Catalyzed by Peroxotungsten and Peroxomolybdenum Complexes in Ionic Liquids. Energy & Fuels, 2007, 21, 2514-2516.	2.5	195
28	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. AICHE Journal, 2016, 62, 2087-2100.	1.8	192
29	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. Nano Energy, 2017, 35, 79-91.	8.2	179
30	Facile fabrication of the visible-light-driven Bi₂WO₆/BiOBr composite with enhanced photocatalytic activity. RSC Advances, 2014, 4, 82-90.	1.7	174
31	Bismuth vacancy mediated single unit cell Bi2WO6 nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	10.8	173
32	A g-C3N4/BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. RSC Advances, 2013, 3, 19624.	1.7	162
33	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C3N4 hybridized Î±-Fe2O3 hollow microspheres with enhanced supercapacitive performance. Journal of Power Sources, 2014, 245, 866-874.	4.0	159
34	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. Carbon, 2016, 107, 1-10.	5.4	159
35	Synthesis of g-C3N4/Ag3VO4 composites with enhanced photocatalytic activity under visible light irradiation. Chemical Engineering Journal, 2015, 271, 96-105.	6.6	158
36	Enhanced photocatalytic activity of new photocatalyst Ag/AgCl/ZnO. Journal of Alloys and Compounds, 2011, 509, 3286-3292.	2.8	147

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37	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30786-30792.	4.0	140
38	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. Langmuir, 2016, 32, 2075-2084.	1.6	136
39	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS₂coupled BiOBr microspheres. Dalton Transactions, 2014, 43, 15429-15438.	1.6	133
40	Improvement of visible light photocatalytic activity over flower-like BiOCl/BiOBr microspheres synthesized by reactable ionic liquids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 420, 89-95.	2.3	131
41	Construction of ultrathin C3N4/Bi4O5I2 layered nanojunctions via ionic liquid with enhanced photocatalytic performance and mechanism insight. Applied Catalysis B: Environmental, 2016, 191, 235-245.	10.8	131
42	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. Applied Catalysis B: Environmental, 2016, 188, 376-387.	10.8	131
43	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. Journal of Materials Chemistry A, 2016, 4, 5051-5061.	5.2	126
44	Controllable synthesis of CeO₂/g-C₃N₄ composites and their applications in the environment. Dalton Transactions, 2015, 44, 7021-7031.	1.6	125
45	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. Carbon, 2016, 98, 613-623.	5.4	123
46	NiCo2O4 ultrathin nanosheets with oxygen vacancies as bifunctional electrocatalysts for Zn-air battery. Applied Surface Science, 2019, 478, 552-559.	3.1	123
47	Spaceâ€Confined Yolkâ€Shell Construction of Fe₃O₄ Nanoparticles Inside Nâ€Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Longâ€Term Rechargeable Zincâ€“Air Batteries. Advanced Functional Materials, 2020, 30, 2005834.	7.8	119
48	A sensitive signal-on photoelectrochemical sensor for tetracycline determination using visible-light-driven flower-like CN/BiOBr composites. Biosensors and Bioelectronics, 2018, 111, 74-81.	5.3	115
49	In-situ preparation of NH2-MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. Applied Surface Science, 2019, 466, 525-534.	3.1	113
50	Recent Advanced Materials for Electrochemical and Photoelectrochemical Synthesis of Ammonia from Dinitrogen: One Step Closer to a Sustainable Energy Future. Advanced Energy Materials, 2020, 10, 1902020.	10.2	113
51	N-CQDs accelerating surface charge transfer of Bi4O5I2 hollow nanotubes with broad spectrum photocatalytic activity. Applied Catalysis B: Environmental, 2018, 237, 1033-1043.	10.8	112
52	Ultrathin g-C3N4 with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. Journal of Colloid and Interface Science, 2019, 553, 530-539.	5.0	112
53	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. RSC Advances, 2014, 4, 14281.	1.7	111
54	2D-2D stacking of graphene-like g-C 3 N 4 /Ultrathin Bi 4 O 5 Br 2 with matched energy band structure towards antibiotic removal. Applied Surface Science, 2017, 413, 372-380.	3.1	111

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55	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi4O5I2 towards bisphenol a removal. Chemical Engineering Journal, 2018, 331, 355-363.	6.6	111
56	Unique Z-scheme carbonized polymer dots/Bi4O5Br2 hybrids for efficiently boosting photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 293, 120182.	10.8	110
57	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	5.2	107
58	Synthesis of BaMoO₄ Nestlike Nanostructures Under a New Growth Mechanism. Crystal Growth and Design, 2008, 8, 2275-2281.	1.4	104
59	Biomass willow catkin-derived Co₃O₄/N-doped hollow hierarchical porous carbon microtubes as an effective tri-functional electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 20170-20179.	5.2	102
60	Ionic liquid-induced strategy for porous perovskite-like PbBiO2Br photocatalysts with enhanced photocatalytic activity and mechanism insight. Applied Catalysis B: Environmental, 2017, 206, 127-135.	10.8	101
61	Photocatalytic activity of La2O3-modified silver vanadates catalyst for Rhodamine B dye degradation under visible light irradiation. Chemical Engineering Journal, 2010, 160, 33-41.	6.6	95
62	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO2Br for robust CO2 photoreduction. Applied Catalysis B: Environmental, 2019, 254, 551-559.	10.8	91
63	A plasmonic photocatalyst of Ag/AgBr nanoparticles coupled with g-C3N4 with enhanced visible-light photocatalytic ability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 474-483.	2.3	89
64	A DFT Study of the Extractive Desulfurization Mechanism by [BMIM]⁺[AlCl₄]^{â”} Ionic Liquid. Journal of Physical Chemistry B, 2015, 119, 5995-6009.	1.2	88
65	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. Carbon, 2017, 114, 601-607.	5.4	86
66	Construction of NH2-UiO-66/BiOBr composites with boosted photocatalytic activity for the removal of contaminants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123625.	2.3	85
67	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. CrystEngComm, 2013, 15, 10132.	1.3	84
68	Constructing carbon quantum dots/Bi 2 SiO 5 ultrathin nanosheets with enhanced photocatalytic activity and mechanism investigation. Chemical Engineering Journal, 2016, 302, 334-343.	6.6	83
69	Interfacial chemical bond modulated Bi19S27Br3/g-C3N4 Z-scheme heterojunction for enhanced photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2022, 307, 121162.	10.8	83
70	Photoelectrochemical monitoring of ciprofloxacin based on metallic Bi self-doping BiOBr nanocomposites. Electrochimica Acta, 2018, 259, 873-881.	2.6	81
71	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. Chinese Chemical Letters, 2018, 29, 805-810.	4.8	80
72	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. Journal of Colloid and Interface Science, 2019, 533, 612-620.	5.0	77

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73	Revealing the role of oxygen vacancies in bimetallic PbBiO2Br atomic layers for boosting photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2020, 277, 119170.	10.8	77
74	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. Inorganic Chemistry Frontiers, 2018, 5, 2964-2970.	3.0	76
75	Conjugated conducting polymers PANI decorated Bi12O17Cl2 photocatalyst with extended light response range and enhanced photoactivity. Applied Surface Science, 2019, 464, 552-561.	3.1	76
76	Confined active species and effective charge separation in Bi4O5I2 ultrathin hollow nanotube with increased photocatalytic activity. Applied Catalysis B: Environmental, 2020, 268, 118403.	10.8	75
77	Synthesis of few-layer MoS₂ nanosheet-loaded Ag₃PO₄ for enhanced photocatalytic activity. Dalton Transactions, 2015, 44, 3057-3066.	1.6	71
78	Microwave-assisted synthesis of flower-like and leaf-like CuO nanostructures via room-temperature ionic liquids. Journal of Physics and Chemistry of Solids, 2009, 70, 1461-1464.	1.9	68
79	Î±â€Fe₂O₃ Cubes with High Visibleâ€Lightâ€Activated Photoelectrochemical Activity towards Glucose: Hydrothermal Synthesis Assisted by a Hydrophobic Ionic Liquid. Chemistry - A European Journal, 2014, 20, 2244-2253.	1.7	68
80	Improved photocatalytic activity of few-layer Bi4O5I2 nanosheets induced by efficient charge separation and lower valence position. Journal of Alloys and Compounds, 2017, 695, 922-930.	2.8	68
81	Ionic liquid assisted synthesis and photocatalytic properties of Î±-Fe2O3 hollow microspheres. Dalton Transactions, 2013, 42, 6468.	1.6	67
82	BiPO4 nanocrystal/BiOCl nanosheet heterojunction as the basis for a photoelectrochemical 4-chlorophenol sensor. Sensors and Actuators B: Chemical, 2019, 279, 466-475.	4.0	67
83	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C3N4/BiOBr heterojunctions. Materials Science in Semiconductor Processing, 2014, 24, 96-103.	1.9	66
84	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2018, 519, 263-272.	5.0	66
85	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C3N4/BiOCl. Journal of Materials Science, 2016, 51, 4769-4777.	1.7	65
86	Graphitic carbon nitride/BiOCl composites for sensitive photoelectrochemical detection of ciprofloxacin. Journal of Colloid and Interface Science, 2016, 483, 241-248.	5.0	63
87	Enhanced photocatalytic activity of bismuth oxyiodine (BiOI) porous microspheres synthesized via reactable ionic liquid-assisted solvothermal method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 387, 23-28.	2.3	59
88	Graphene-like boron nitride modified bismuth phosphate materials for boosting photocatalytic degradation of enrofloxacin. Journal of Colloid and Interface Science, 2017, 492, 51-60.	5.0	59
89	Reactable ionic liquid induced homogeneous carbon superdoping of BiPO4 for superior photocatalytic removal of 4-chlorophenol. Chemical Engineering Journal, 2017, 313, 1477-1485.	6.6	59
90	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO2-to-CO conversion. Applied Catalysis B: Environmental, 2020, 276, 119156.	10.8	59

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91	Controllable synthesis of hexagon-shaped Î²-AgI nanoplates in reactable ionic liquid and their photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 23-30.	2.3	58
92	Microwave-assisted synthesis of few-layered MoS2/BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. CrystEngComm, 2015, 17, 3645-3651.	1.3	57
93	AgX/graphite-like C3N4 (X = Br, I) hybrid materials for photoelectrochemical determination of copper(ii) ion. Analyst, The, 2013, 138, 6721.	1.7	56
94	Facile fabrication of g-C 3 N 4 /BiPO 4 hybrid materials via a reactable ionic liquid for the photocatalytic degradation of antibiotic ciprofloxacin. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 339, 59-66.	2.0	55
95	La3+ doped BiOBr microsphere with enhanced visible light photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 160-167.	2.3	55
96	S, N Codoped Graphene Quantum Dots Embedded in (BiO)₂CO₃: Incorporating Enzymatic-like Catalysis in Photocatalysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 10229-10240.	3.2	55
97	Novel Z-scheme heterogeneous photo-Fenton-like g-C3N4/FeOCl for the pollutants degradation under visible light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112343.	2.0	54
98	A Janus cobalt nanoparticles and molybdenum carbide decorated N-doped carbon for high-performance overall water splitting. Journal of Colloid and Interface Science, 2021, 583, 614-625.	5.0	53
99	Bi 4 O 5 Br 2 ultrasmall nanosheets in situ strong coupling to MWCNT and improved photocatalytic activity for tetracycline hydrochloride degradation. Journal of Molecular Catalysis A, 2016, 424, 331-341.	4.8	52
100	Photoelectrochemical monitoring of 4-chlorophenol by plasmonic Au/graphitic carbon nitride composites. Sensors and Actuators B: Chemical, 2017, 240, 308-314.	4.0	52
101	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. European Journal of Inorganic Chemistry, 2014, 2014, 3665-3673.	1.0	51
102	High yield synthesis of nano-size g-C₃N₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. RSC Advances, 2015, 5, 26281-26290.	1.7	51
103	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi4O5I2 nanomaterials and enhanced photocatalytic properties. Journal of Colloid and Interface Science, 2016, 478, 324-333.	5.0	51
104	The enhanced visible light photocatalytic activity of yttrium-doped BiOBr synthesized via a reactable ionic liquid. Applied Surface Science, 2015, 331, 170-178.	3.1	50
105	Facile microwave-assisted ionic liquid synthesis of sphere-like BiOBr hollow and porous nanostructures with enhanced photocatalytic performance. Green Energy and Environment, 2017, 2, 124-133.	4.7	50
106	Carbonized polymer dots modified ultrathin Bi12O17Cl2 nanosheets Z-scheme heterojunction for robust CO2 photoreduction. Chemical Engineering Science, 2021, 232, 116338.	1.9	48
107	Advanced visible light photocatalytic properties of BiOCl micro/nanospheres synthesized via reactable ionic liquids. Journal of Physics and Chemistry of Solids, 2013, 74, 298-304.	1.9	47
108	Improved visible light photocatalytic activity of MWCNT/BiOBr composite synthesized via a reactable ionic liquid. Ceramics International, 2014, 40, 4607-4616.	2.3	45

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109	Partially etched Bi2O2CO3 by metal chloride for enhanced reactive oxygen species generation: A tale of two strategies. Applied Catalysis B: Environmental, 2019, 245, 325-333.	10.8	45
110	Excited Electronâ€Rich Bi^{(3â€“x)+} Sites: A Quantum Wellâ€Like Structure for Highly Promoted Selective Photocatalytic CO₂ Reduction Performance. Advanced Functional Materials, 2022, 32, .	7.8	45
111	Synthesis, characterization and photocatalytic activity of NaNbO3/ZnO heterojunction photocatalysts. Journal of Alloys and Compounds, 2011, 509, 9157-9163.	2.8	43
112	Graphitic carbon nitride nanosheet supported high loading silver nanoparticle catalysts for the oxygen reduction reaction. Materials Letters, 2014, 128, 349-353.	1.3	43
113	Ionic liquid-assisted strategy for bismuth-rich bismuth oxybromides nanosheets with superior visible light-driven photocatalytic removal of bisphenol-A. Journal of Colloid and Interface Science, 2016, 473, 112-119.	5.0	43
114	Facile synthesis of few-layered MoS 2 modified BiOI with enhanced visible-light photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 1-7.	2.3	43
115	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. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 168-176.	2.0	43
116	In-situ synthesis strategy for CoM (MÂ= Fe, Ni, Cu) bimetallic nanoparticles decorated N-doped 1D carbon nanotubes/3D porous carbon for electrocatalytic oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 815, 152470.	2.8	43
117	Enhanced photoelectrochemical sensing performance of graphitic carbon nitride by nitrogen vacancies engineering. Biosensors and Bioelectronics, 2020, 148, 111802.	5.3	43
118	Construction of NH2-MIL-125(Ti)/Bi2WO6 composites with accelerated charge separation for degradation of organic contaminants under visible light irradiation. Green Energy and Environment, 2020, 5, 203-213.	4.7	43
119	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. Journal of Alloys and Compounds, 2020, 826, 154152.	2.8	43
120	Ionic liquid-assisted hydrothermal synthesis of three-dimensional hierarchical CuO peachstone-like architectures. Applied Surface Science, 2010, 256, 1871-1877.	3.1	42
121	Ti₃C₂T_x/Graphene Oxide Free-Standing Membranes as Modified Separators for Lithiumâ€“Sulfur Batteries with Enhanced Rate Performance. ACS Applied Energy Materials, 2020, 3, 2708-2718.	2.5	42
122	Oxygen Vacancies Engineeringâ€“Mediated BiOBr Atomic Layers for Boosting Visible Lightâ€Driven Photocatalytic CO₂ Reduction. Solar Rrl, 2021, 5, 2000480.	3.1	42
123	Synthesis of one-dimensional Î²-Ni(OH)2 nanostructure and their application as nonenzymatic glucose sensors. Materials Chemistry and Physics, 2012, 132, 387-394.	2.0	41
124	In-situ preparation of MIL-125(Ti)/Bi2WO6 photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 387, 112149.	2.0	41
125	Photoelectrochemical sensing of 4-chlorophenol based on Au/BiOCl nanocomposites. Talanta, 2016, 156-157, 257-264.	2.9	40
126	Oxygen vacancies in Bi2Sn2O7 quantum dots to trigger efficient photocatalytic nitrogen reduction. Applied Catalysis B: Environmental, 2021, 299, 120680.	10.8	40

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127	Metallic Bi self-doping BiOCl composites: Synthesis and enhanced photoelectrochemical performance. Materials Letters, 2017, 196, 225-229.	1.3	39
128	Self-assembly and enhanced optical absorption of Bi2WO6 nests via ionic liquid-assisted hydrothermal method. Materials Chemistry and Physics, 2010, 121, 6-9.	2.0	38
129	Photoelectrochemical monitoring of phenol by metallic Bi self-doping BiOI composites with enhanced photoelectrochemical performance. Journal of Electroanalytical Chemistry, 2017, 804, 64-71.	1.9	38
130	Controlled preparation of MoS2/PbBiO2I hybrid microspheres with enhanced visible-light photocatalytic behaviour. Journal of Colloid and Interface Science, 2018, 517, 278-287.	5.0	38
131	Defectâ€Rich Bi₁₂O₁₇Cl₂ Nanotubes Selfâ€Accelerating Charge Separation for Boosting Photocatalytic CO₂ Reduction. Angewandte Chemie, 2018, 130, 15063-15067.	1.6	38
132	Microwave-assisted synthesis of barium tungstate nanosheets and nanobelts by using polymer PVP micelle as templates. Materials Letters, 2007, 61, 1845-1848.	1.3	37
133	Ionic liquid oxidation synthesis of Ag@AgCl coreâ€“shell structure for photocatalytic application under visible-light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 416, 80-85.	2.3	36
134	Ionic liquid-induced strategy for FeWO4 microspheres with advanced visible light photocatalysis. Ceramics International, 2016, 42, 8997-9003.	2.3	36
135	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C3N4. Green Energy and Environment, 2019, 4, 198-206.	4.7	36
136	Microwave-assisted synthesis of Fe3O4 nanorods and nanowires in an ionic liquid. Journal of Physics and Chemistry of Solids, 2010, 71, 1785-1788.	1.9	35
137	Construction of ultrathin MoS2/Bi5O7I composites: Effective charge separation and increased photocatalytic activity. Journal of Colloid and Interface Science, 2020, 560, 475-484.	5.0	35
138	Theoretical investigation of the interaction between aromatic sulfur compounds and [BMIM]+[FeCl4]â¯ ionic liquid in desulfurization: A novel charge transfer mechanism. Journal of Molecular Graphics and Modelling, 2015, 59, 40-49.	1.3	34
139	Synthesis of erbium ions doped BiOBr via a reactive ionic liquid with improved photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 343-350.	2.3	34
140	High-Capacity and Long-Cycle Life Aqueous Rechargeable Lithium-Ion Battery with the FePO₄ Anode. ACS Applied Materials & Interfaces, 2018, 10, 7061-7068.	4.0	34
141	Enhanced reactive oxygen species activation for building carbon quantum dots modified Bi5O7I nanorod composites and optimized visible-light-response photocatalytic performance. Journal of Colloid and Interface Science, 2018, 532, 727-737.	5.0	34
142	Reactable ionic liquid in situ-induced synthesis of Fe3O4 nanoparticles modified N-doped hollow porous carbon microtubes for boosting multifunctional electrocatalytic activity. Journal of Alloys and Compounds, 2019, 797, 849-858.	2.8	34
143	Construction of MIL-125(Ti)/ZnIn2S4 composites with accelerated interfacial charge transfer for boosting visible light photoreactivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124078.	2.3	34
144	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. Materials Today, 2022, 53, 217-237.	8.3	34

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146	Preparation of magnetic Ag/AgCl/CoFe₂O₄ composites with high photocatalytic and antibacterial ability. RSC Advances, 2015, 5, 41475-41483.	1.7	32
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