

Jun Di

List of Publications by Year in descending order

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135
papers

12,867
citations

19657

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111
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all docs

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docs citations

136
times ranked

9568
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	20.2	486
2	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. Advanced Functional Materials, 2018, 28, 1801983.	14.9	472
3	Preparation of sphere-like g-C ₃ N ₄ /BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants. Journal of Materials Chemistry A, 2014, 2, 5340.	10.3	439
4	Bismuth oxyhalide layered materials for energy and environmental applications. Nano Energy, 2017, 41, 172-192.	16.0	413
5	Ultrathin 2D Photocatalysts: Electronic Structure Tailoring, Hybridization, and Applications. Advanced Materials, 2018, 30, 1704548.	21.0	409
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.	20.2	380
7	Defect-Rich Bi ₁₂ O ₁₇ Cl ₂ Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO ₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 14847-14851.	13.8	329
8	Isolated single atom cobalt in Bi ₃ O ₄ Br atomic layers to trigger efficient CO ₂ photoreduction. Nature Communications, 2019, 10, 2840.	12.8	327
9	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit Cell Bi ₃ O ₄ Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. Advanced Materials, 2019, 31, e1807576.	21.0	311
10	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi ₂ Mo ₆ . Nanoscale, 2015, 7, 11433-11443.	5.6	306
11	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.	8.0	302
12	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.	20.2	294
13	MoS ₂ /TiO ₂ Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1600464.	19.5	264
14	Atomically-thin Bi ₂ MoO ₆ nanosheets with vacancy pairs for improved photocatalytic CO ₂ reduction. Nano Energy, 2019, 61, 54-59.	16.0	243
15	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.	6.7	233
16	Ultrathin two-dimensional materials for photo- and electrocatalytic hydrogen evolution. Materials Today, 2018, 21, 749-770.	14.2	228
17	Controllable synthesis of Bi ₄ O ₅ Br ₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. Journal of Materials Chemistry A, 2015, 3, 15108-15118.	10.3	202
18	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.	10.3	196

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19	Freestanding atomically-thin two-dimensional materials beyond graphene meeting photocatalysis: Opportunities and challenges. <i>Nano Energy</i> , 2017, 35, 79-91.	16.0	179
20	Facile fabrication of the visible-light-driven Bi ₂ WO ₆ /BiOBr composite with enhanced photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 82-90.	3.6	174
21	Bismuth vacancy mediated single unit cell Bi ₂ WO ₆ nanosheets for boosting photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 119-125.	20.2	173
22	A g-C ₃ N ₄ /BiOBr visible-light-driven composite: synthesis via a reactable ionic liquid and improved photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 19624.	3.6	162
23	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. <i>Carbon</i> , 2016, 107, 1-10.	10.3	159
24	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30786-30792.	8.0	140
25	Carbon Quantum Dots Induced Ultrasmall BiOI Nanosheets with Assembled Hollow Structures for Broad Spectrum Photocatalytic Activity and Mechanism Insight. <i>Langmuir</i> , 2016, 32, 2075-2084.	3.5	136
26	Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS ₂ coupled BiOBr microspheres. <i>Dalton Transactions</i> , 2014, 43, 15429-15438.	3.3	133
27	Construction of ultrathin C ₃ N ₄ /Bi ₄ O ₅ I ₂ layered nanojunctions via ionic liquid with enhanced photocatalytic performance and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 235-245.	20.2	131
28	New insight of Ag quantum dots with the improved molecular oxygen activation ability for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 376-387.	20.2	131
29	Bidirectional acceleration of carrier separation spatially via N-CQDs/atomically-thin BiOI nanosheets nanojunctions for manipulating active species in a photocatalytic process. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5051-5061.	10.3	126
30	Carbon quantum dots in situ coupling to bismuth oxyiodide via reactable ionic liquid with enhanced photocatalytic molecular oxygen activation performance. <i>Carbon</i> , 2016, 98, 613-623.	10.3	123
31	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , 2020, 11, 3729.	12.8	120
32	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2021, 79, 105429.	16.0	117
33	In-situ preparation of NH ₂ -MIL-125(Ti)/BiOCl composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 525-534.	6.1	113
34	N-CQDs accelerating surface charge transfer of Bi ₄ O ₅ I ₂ hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1033-1043.	20.2	112
35	Ultrathin g-C ₃ N ₄ with enriched surface carbon vacancies enables highly efficient photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 530-539.	9.4	112
36	One-pot solvothermal synthesis of Cu-modified BiOCl via a Cu-containing ionic liquid and its visible-light photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 14281.	3.6	111

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37	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.	6.1	111
38	Graphene-like boron nitride induced accelerated charge transfer for boosting the photocatalytic behavior of Bi ₄ O ₅ I ₂ towards bisphenol a removal. Chemical Engineering Journal, 2018, 331, 355-363.	12.7	111
39	Surface Local Polarization Induced by Bismuth-Oxygen Vacancy Pairs Tuning Non-Covalent Interaction for CO ₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	19.5	109
40	Controllable Synthesis of Atomically Thin Type-II Weyl Semimetal WTe ₂ Nanosheets: An Advanced Electrode Material for All-Solid-State Flexible Supercapacitors. Advanced Materials, 2017, 29, 1701909.	21.0	107
41	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	10.3	107
42	Carbon Microtube Aerogel Derived from Kapok Fiber: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. ACS Nano, 2020, 14, 595-602.	14.6	104
43	Ionic liquid-induced strategy for porous perovskite-like PbBiO ₂ Br photocatalysts with enhanced photocatalytic activity and mechanism insight. Applied Catalysis B: Environmental, 2017, 206, 127-135.	20.2	101
44	Hierarchical Sandwich-Like Structure of Ultrafine N-Rich Porous Carbon Nanospheres Grown on Graphene Sheets as Superior Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2016, 8, 10324-10333.	8.0	100
45	Linkage Engineering by Harnessing Supramolecular Interactions to Fabricate 2D Hydrazone-Linked Covalent Organic Framework Platforms toward Advanced Catalysis. Journal of the American Chemical Society, 2020, 142, 18138-18149.	13.7	99
46	Ultrathin structured photocatalysts: A versatile platform for CO ₂ reduction. Applied Catalysis B: Environmental, 2019, 256, 117788.	20.2	94
47	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO ₂ Br for robust CO ₂ photoreduction. Applied Catalysis B: Environmental, 2019, 254, 551-559.	20.2	91
48	Freestanding ultrathin bismuth-based materials for diversified photocatalytic applications. Journal of Materials Chemistry A, 2019, 7, 25203-25226.	10.3	90
49	Tunable oxygen activation induced by oxygen defects in nitrogen doped carbon quantum dots for sustainable boosting photocatalysis. Carbon, 2017, 114, 601-607.	10.3	86
50	Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. CrystEngComm, 2013, 15, 10132.	2.6	84
51	Bismuth-rich bismuth oxyhalides: a new opportunity to trigger high-efficiency photocatalysis. Journal of Materials Chemistry A, 2020, 8, 21434-21454.	10.3	84
52	Ferroelectric-field accelerated charge transfer in 2D CuInP ₂ S ₆ heterostructure for enhanced photocatalytic H ₂ evolution. Nano Energy, 2020, 76, 104972.	16.0	84
53	Constructing carbon quantum dots/Bi ₂ SiO ₅ ultrathin nanosheets with enhanced photocatalytic activity and mechanism investigation. Chemical Engineering Journal, 2016, 302, 334-343.	12.7	83
54	Strain-Engineering of Bi ₁₂ O ₁₇ Br ₂ Nanotubes for Boosting Photocatalytic CO ₂ Reduction. , 2020, 2, 1025-1032.		82

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55	Enhanced photocatalytic performance of carbon quantum dots/BiOBr composite and mechanism investigation. <i>Chinese Chemical Letters</i> , 2018, 29, 805-810.	9.0	80
56	An All-Organic Dye System for Visible-Light-Driven Overall Water Splitting. <i>Small</i> , 2020, 16, e2003914.	10.0	80
57	Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 612-620.	9.4	77
58	Confined active species and effective charge separation in Bi ₄ O ₅ I ₂ ultrathin hollow nanotube with increased photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118403.	20.2	75
59	Improved photocatalytic activity of few-layer Bi ₄ O ₅ I ₂ nanosheets induced by efficient charge separation and lower valence position. <i>Journal of Alloys and Compounds</i> , 2017, 695, 922-930.	5.5	68
60	Solvothermal synthesis and enhanced visible-light photocatalytic decontamination of bisphenol A (BPA) by g-C ₃ N ₄ /BiOBr heterojunctions. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 96-103.	4.0	66
61	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 263-272.	9.4	66
62	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. <i>Journal of Materials Science</i> , 2016, 51, 4769-4777.	3.7	65
63	Graphene-like boron nitride modified bismuth phosphate materials for boosting photocatalytic degradation of enrofloxacin. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 51-60.	9.4	59
64	Reactable ionic liquid induced homogeneous carbon superdoping of BiPO ₄ for superior photocatalytic removal of 4-chlorophenol. <i>Chemical Engineering Journal</i> , 2017, 313, 1477-1485.	12.7	59
65	Hexagonal boron nitride adsorbent: Synthesis, performance tailoring and applications. <i>Journal of Energy Chemistry</i> , 2020, 40, 99-111.	12.9	59
66	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO ₂ -to-CO conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119156.	20.2	59
67	Microwave-assisted synthesis of few-layered MoS ₂ /BiOBr hollow microspheres with superior visible-light-response photocatalytic activity for ciprofloxacin removal. <i>CrystEngComm</i> , 2015, 17, 3645-3651.	2.6	57
68	Facile fabrication of g-C ₃ N ₄ /BiPO ₄ hybrid materials via a reactable ionic liquid for the photocatalytic degradation of antibiotic ciprofloxacin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 339, 59-66.	3.9	55
69	La ³⁺ doped BiOBr microsphere with enhanced visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 513, 160-167.	4.7	55
70	S, N Codoped Graphene Quantum Dots Embedded in (BiO) ₂ CO ₃ : Incorporating Enzymatic-like Catalysis in Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10229-10240.	6.7	55
71	Atomically Thin 2D Multinary Nanosheets for Energy-Related Photo, Electrocatalysis. <i>Advanced Science</i> , 2018, 5, 1800244.	11.2	54
72	Novel Z-scheme heterogeneous photo-Fenton-like g-C ₃ N ₄ /FeOCl for the pollutants degradation under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112343.	3.9	54

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73	Bi ₄ O ₅ Br ₂ ultrasmall nanosheets in situ strong coupling to MWCNT and improved photocatalytic activity for tetracycline hydrochloride degradation. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 331-341.	4.8	52
74	Ionic liquid-assisted bidirectional regulation strategy for carbon quantum dots (CQDs)/Bi ₄ O ₅ I ₂ nanomaterials and enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 324-333.	9.4	51
75	The enhanced visible light photocatalytic activity of yttrium-doped BiOBr synthesized via a reactable ionic liquid. <i>Applied Surface Science</i> , 2015, 331, 170-178.	6.1	50
76	Facile microwave-assisted ionic liquid synthesis of sphere-like BiOBr hollow and porous nanostructures with enhanced photocatalytic performance. <i>Green Energy and Environment</i> , 2017, 2, 124-133.	8.7	50
77	Improved visible light photocatalytic activity of MWCNT/BiOBr composite synthesized via a reactable ionic liquid. <i>Ceramics International</i> , 2014, 40, 4607-4616.	4.8	45
78	Partially etched Bi ₂ O ₂ CO ₃ by metal chloride for enhanced reactive oxygen species generation: A tale of two strategies. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 325-333.	20.2	45
79	Charge steering in ultrathin 2D nanomaterials for photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12928-12950.	10.3	44
80	Ionic liquid-assisted strategy for bismuth-rich bismuth oxybromides nanosheets with superior visible light-driven photocatalytic removal of bisphenol-A. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 112-119.	9.4	43
81	Facile synthesis of few-layered MoS ₂ modified BiOI with enhanced visible-light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 1-7.	4.7	43
82	Synthesis of g-C ₃ N ₄ /Bi ₄ O ₅ Br ₂ via reactable ionic liquid and its cooperation effect for the enhanced photocatalytic behavior towards ciprofloxacin degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 347, 168-176.	3.9	43
83	Construction of NH ₂ -MIL-125(Ti)/Bi ₂ WO ₆ composites with accelerated charge separation for degradation of organic contaminants under visible light irradiation. <i>Green Energy and Environment</i> , 2020, 5, 203-213.	8.7	43
84	In-situ preparation of MIL-125(Ti)/Bi ₂ WO ₆ photocatalyst with accelerating charge carriers for the photodegradation of tetracycline hydrochloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112149.	3.9	41
85	Atomic-level active sites steering in ultrathin photocatalysts to trigger high efficiency nitrogen fixation. <i>Chemical Engineering Journal</i> , 2020, 402, 126208.	12.7	40
86	A Tandem OD/2D/2D NbS ₂ Quantum Dot/Nb ₂ O ₅ Nanosheet/g-C ₃ N ₄ Flake System with Spatial Charge Transfer Cascades for Boosting Photocatalytic Hydrogen Evolution. <i>Small</i> , 2020, 16, e2003302.	10.0	40
87	Engineering Cocatalysts onto Low-Dimensional Photocatalysts for CO ₂ Reduction. <i>Small Structures</i> , 2021, 2, 2100046.	12.0	40
88	Oxygen vacancies in Bi ₂ Sn ₂ O ₇ quantum dots to trigger efficient photocatalytic nitrogen reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120680.	20.2	40
89	Controlled preparation of MoS ₂ /PbBiO ₂ I hybrid microspheres with enhanced visible-light photocatalytic behaviour. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 278-287.	9.4	38
90	Defect-Rich Bi ₁₂ O ₁₇ Cl ₂ Nanotubes Self-Accelerating Charge Separation for Boosting Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2018, 130, 15063-15067.	2.0	38

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91	Ionic liquid-induced strategy for FeWO ₄ microspheres with advanced visible light photocatalysis. <i>Ceramics International</i> , 2016, 42, 8997-9003.	4.8	36
92	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C ₃ N ₄ . <i>Green Energy and Environment</i> , 2019, 4, 198-206.	8.7	36
93	Crystal Transformation from the Incorporation of Coordinate Bonds into a Hydrogen-Bonded Network Yields Robust Free-Standing Supramolecular Membranes. <i>Journal of the American Chemical Society</i> , 2020, 142, 479-486.	13.7	35
94	Synthesis of erbium ions doped BiOBr via a reactive ionic liquid with improved photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 489, 343-350.	4.7	34
95	Construction of MIL-125(Ti)/ZnIn ₂ S ₄ composites with accelerated interfacial charge transfer for boosting visible light photoreactivity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124078.	4.7	34
96	Macroscopic 3D boron nitride monolith for efficient adsorptive desulfurization. <i>Fuel</i> , 2020, 261, 116448.	6.4	34
97	2D PtS nanorectangles/g-C ₃ N ₄ nanosheets with a metal sulfide "support interaction effect for high-efficiency photocatalytic H ₂ evolution. <i>Materials Horizons</i> , 2021, 8, 612-618.	12.2	34
98	Cu ²⁺ Modified g-C ₃ N ₄ Photocatalysts for Visible Light Photocatalytic Properties. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2020, 36, 1902001-0.	4.9	34
99	Construction of single-atom catalysts for electro-, photo- and photoelectro-catalytic applications: State-of-the-art, opportunities, and challenges. <i>Materials Today</i> , 2022, 53, 217-237.	14.2	34
100	In-situ preparation of iron(II) phthalocyanine modified bismuth oxybromide with enhanced visible-light photocatalytic activity and mechanism insight. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 336-345.	4.7	32
101	Space-confined microwave synthesis of ternary-layered BiOCl crystals with high-performance ultraviolet photodetection. <i>Informa Mater</i> , 2020, 2, 593-600.	17.3	32
102	Interface engineering in low-dimensional bismuth-based materials for photoreduction reactions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2662-2677.	10.3	32
103	Novel mesoporous graphitic carbon nitride modified PbBiO ₂ Br porous microspheres with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 310-322.	9.4	31
104	Surfactant-assisted hydrothermal synthesis of MoS ₂ micro-pompon structure with enhanced photocatalytic performance under visible light. <i>Tungsten</i> , 2020, 2, 203-213.	4.8	31
105	Machine Learning Driven Synthesis of Few-Layered WTe ₂ with Geometrical Control. <i>Journal of the American Chemical Society</i> , 2021, 143, 18103-18113.	13.7	30
106	Recent Advances in Synthesis and Study of 2D Twisted Transition Metal Dichalcogenide Bilayers. <i>Small Structures</i> , 2021, 2, 2000153.	12.0	29
107	Controllable synthesis of perovskite-like PbBiO ₂ Cl hollow microspheres with enhanced photocatalytic activity for antibiotic removal. <i>CrystEngComm</i> , 2017, 19, 4777-4788.	2.6	28
108	High-performance electrolytic oxygen evolution with a seamless armor core-shell FeCoNi oxynitride. <i>Nanoscale</i> , 2019, 11, 7239-7246.	5.6	28

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109	Universal strategy engineering grain boundaries for catalytic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121714.	20.2	27
110	New strategy towards the assembly of hierarchical heterostructures of SnO ₂ /ZnO for NO ₂ detection at a ppb level. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2801-2809.	6.0	24
111	Reactable ionic liquid assisted synthesis of BiPO ₄ and the influences of solvent on structure, morphology and photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 110-117.	4.7	23
112	2D/2D atomic double-layer WS ₂ /Nb ₂ O ₅ shell/core nanosheets with ultrafast interfacial charge transfer for boosting photocatalytic H ₂ evolution. <i>Chinese Chemical Letters</i> , 2021, 32, 3128-3132.	9.0	23
113	Construction of high-efficiency CoS@Nb ₂ O ₅ heterojunctions accelerating charge transfer for boosting photocatalytic hydrogen evolution. <i>Chinese Chemical Letters</i> , 2022, 33, 4700-4704.	9.0	22
114	Construction of NH ₂ -MIL-125(Ti) nanoplates modified Bi ₂ WO ₆ microspheres with boosted visible-light photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2020, 46, 3311-3326.	2.7	20
115	Synthesis of Multiwalled Carbon Nanotube Modified BiOCl Microspheres with Enhanced Visible-Light Response Photoactivity. <i>Clean - Soil, Air, Water</i> , 2016, 44, 781-787.	1.1	18
116	Ultrathin graphitic carbon nitride modified PbBiO ₂ Cl microspheres with accelerating interfacial charge transfer for the photodegradation of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123804.	4.7	18
117	CQDs modified PbBiO ₂ Cl nanosheets with improved molecular oxygen activation ability for photodegradation of organic contaminants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111921.	3.9	17
118	Significant improvement of photocatalytic activity of porous graphitic-carbon nitride/bismuth oxybromide microspheres synthesized in an ionic liquid by microwave-assisted processing. <i>Materials Science in Semiconductor Processing</i> , 2015, 32, 117-124.	4.0	15
119	Electronic state tuning over Mo-doped W ₁₈ O ₄₉ ultrathin nanowires with enhanced molecular oxygen activation for desulfurization. <i>Separation and Purification Technology</i> , 2022, 294, 121167.	7.9	15
120	Construction of 2D/2D MoS ₂ /PbBiO ₂ Cl nanosheet photocatalysts with accelerated interfacial charge transfer for boosting visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125655.	4.7	14
121	Reactable ionic liquid-assisted solvothermal synthesis of flower-like bismuth oxybromide microspheres with highly visible-light photocatalytic performances. <i>Micro and Nano Letters</i> , 2013, 8, 450-454.	1.3	13
122	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO ₂ conversion. <i>Journal of CO₂ Utilization</i> , 2022, 59, 101957.	6.8	11
123	Ionic liquid-induced preparation of novel CNTs/PbBiO ₂ Cl nanosheet photocatalyst with boosted photocatalytic activity for the removal of organic contaminants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127894.	4.7	10
124	Enhancing the cycling stability of Na-ion batteries by bonding MoS ₂ on assembled carbon-based materials. <i>Nano Materials Science</i> , 2019, 1, 310-317.	8.8	9
125	Improved Solar Energy Photoactivity over Defective BiOBr Ultrathin Nanosheets towards Pollutant Removal and Oxygen Evolution. <i>ChemNanoMat</i> , 2019, 5, 215-223.	2.8	9
126	Reusable Graphitic Carbon Nitride Nanosheet-Based Aerogels as Sorbents for Oils and Organic Solvents. <i>ACS Applied Nano Materials</i> , 2020, 3, 8176-8181.	5.0	9

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127	A three-dimensional porous MoS ₂ â€PVP aerogel as a highly efficient and recyclable sorbent for oils and organic solvents. <i>Materials Advances</i> , 2020, 1, 760-766.	5.4	9
128	One-pot ionic liquid-assisted strategy for GO/BiOI hybrids with superior visible-driven photocatalysis and mechanism research. <i>Materials Technology</i> , 2017, 32, 131-139.	3.0	6
129	Double regulation of bismuth and halogen source for the preparation of bismuth oxybromide nanosquares with enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 25-32.	9.4	6
130	Controlled synthesis of novel PbBiO ₂ I microsphere structure towards photocatalytic degradation of bisphenol A. <i>Research on Chemical Intermediates</i> , 2018, 44, 5879-5891.	2.7	5
131	Sizeâ€Dependent Activity of Ironâ€Nickel Oxynitride towards Electrocatalytic Oxygen Evolution. <i>ChemNanoMat</i> , 2019, 5, 883-887.	2.8	5
132	Controllable synthesis of FeWO ₄ /BiOBr in reactive ionic liquid with effective charge separation towards photocatalytic pollutant removal. <i>Research on Chemical Intermediates</i> , 2019, 45, 437-451.	2.7	5
133	Graphene-like BN/BiOBr composite: synthesis via a reactable ionic liquid and enhanced visible light photocatalytic performance. <i>Materials Technology</i> , 2016, 31, 463-470.	3.0	4
134	Graphene-Analogue Boron Nitride Modified Bismuth Oxyiodide with Increased Visible-Light Photocatalytic Performance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800146.	1.8	2
135	Highly dispersed tungsten-based quantum dots confined in porous channel induced by ionic liquid with remarkable desulfurization behavior. <i>Separation and Purification Technology</i> , 2021, , 119676.	7.9	2