Junlei Zhang

List of Publications by Year
in descending order

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41 papers	3,233 citations	147801 31 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	2439 citing authors

#	Article	IF	Citations
1	Highly efficient decomposition of ammonia using high-entropy alloy catalysts. Nature Communications, 2019, 10, 4011.	12.8	376
2	In situ construction of WO3 nanoparticles decorated Bi2MoO6 microspheres for boosting photocatalytic degradation of refractory pollutants. Journal of Colloid and Interface Science, 2019, 556, 335-344.	9.4	219
3	In situ construction of a C₃N₅ nanosheet/Bi₂WO₆ nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr(<scp>vi</scp>). Inorganic Chemistry Frontiers, 2022, 9, 2479-2497.	6.0	217
4	Construction of BiOCl/CuBi2O4 S-scheme heterojunction with oxygen vacancy for enhanced photocatalytic diclofenac degradation and nitric oxide removal. Chemical Engineering Journal, 2021, 411, 128555.	12.7	200
5	Experimental and DFT insights into the visible-light driving metal-free C3N5 activated persulfate system for efficient water purification. Applied Catalysis B: Environmental, 2021, 289, 120023.	20.2	190
6	Designing oxygen vacancy mediated bismuth molybdate (Bi2MoO6)/N-rich carbon nitride (C3N5) S-scheme heterojunctions for boosted photocatalytic removal of tetracycline antibiotic and Cr(VI): Intermediate toxicity and mechanism insight. Journal of Colloid and Interface Science, 2022, 624, 219-232.	9.4	155
7	Rationally designed tetra (4-carboxyphenyl) porphyrin/graphene quantum dots/bismuth molybdate Z-scheme heterojunction for tetracycline degradation and Cr(VI) reduction: Performance, mechanism, intermediate toxicity appraisement. Journal of Colloid and Interface Science, 2022, 619, 307-321.	9.4	135
8	Constructing a plasmonic p-n heterojunction photocatalyst of 3D Ag/Ag6Si2O7/Bi2MoO6 for efficiently removing broad-spectrum antibiotics. Separation and Purification Technology, 2021, 254, 117579.	7.9	119
9	Synthesis of BiOBr/WO₃pâ€“n heterojunctions with enhanced visible light photocatalytic activity. CrystEngComm, 2016, 18, 3856-3865.	2.6	104
10	Flower-like Ag 2 O/Bi 2 MoO 6 p-n heterojunction with enhanced photocatalytic activity under visible light irradiation. Journal of Molecular Catalysis A, 2016, 424, 37-44.	4.8	99
11	Oxo dicopper anchored on carbon nitride for selective oxidation of methane. Nature Communications, 2022, 13, 1375.	12.8	98
12	Visible-light-assisted peroxymonosulfate activation over Fe(II)/V(IV) self-doped FeVO4 nanobelts with enhanced sulfamethoxazole degradation: Performance and mechanism. Chemical Engineering Journal, 2021, 403, 126384.	12.7	97
13	Facile synthesis of Fe 2 O 3 nanoparticles anchored on Bi 2 MoO 6 microflowers with improved visible light photocatalytic activity. Journal of Colloid and Interface Science, 2017, 497, 93-101.	9.4	96
14	Enhanced durability of nitric oxide removal on TiO2 (P25) under visible light: Enabled by the direct Z-scheme mechanism and enhanced structure defects through coupling with C3N5. Applied Catalysis B: Environmental, 2021, 296, 120372.	20.2	96
15	Synthesis of flower-like Ag2O/BiOCOOH p-n heterojunction with enhanced visible light photocatalytic activity. Applied Surface Science, 2017, 397, 95-103.	6.1	81
16	Flower-like Bi₂S₃/Bi₂MoO₆ heterojunction superstructures with enhanced visible-light-driven photocatalytic activity. RSC Advances, 2015, 5, 75081-75088.	3.6	78
17	Novel Î²-Ag₂MoO₄/g-C₃N₄ heterojunction catalysts with highly enhanced visible-light-driven photocatalytic activity. RSC Advances, 2017, 7, 2163-2171.	3.6	68
18	Flower-like Ag3VO4/BiOBr n-p heterojunction photocatalysts with enhanced visible-light-driven catalytic activity. Molecular Catalysis, 2017, 436, 190-198.	2.0	65

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19	Ag/AgCl/Ag2MoO4 composites for visible-light-driven photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 67-75.	3.9	59
20	Surface dual redox cycles of Mn(III)/Mn(IV) and Cu(I)/Cu(II) for heterogeneous peroxymonosulfate activation to degrade diclofenac: Performance, mechanism and toxicity assessment. Journal of Hazardous Materials, 2021, 410, 124623.	12.4	59
21	Flower-like Ag 2 MoO 4 /Bi 2 MoO 6 heterojunctions with enhanced photocatalytic activity under visible light irradiation. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 156-164.	5.3	56
22	Facile Formation of Bi₂O₂CO₃/Bi₂MoO₆ Nanosheets for Visible Light-Driven Photocatalysis. ACS Omega, 2019, 4, 3871-3880.	3.5	56
23	Ag 3 VO 4 /AgI composites for photocatalytic degradation of dyes and tetracycline hydrochloride under visible light. Materials Letters, 2018, 216, 216-219.	2.6	45
24	Allelopathically inhibitory effects of eucalyptus extracts on the growth of Microcystis aeruginosa. Chemosphere, 2019, 225, 424-433.	8.2	45
25	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. Chemical Engineering Journal, 2020, 390, 124582.	12.7	40
26	Enhanced visible-light photocatalytic performance of Ag3VO4/Bi2WO6 heterojunctions in removing aqueous dyes and tetracycline hydrochloride. Journal of the Taiwan Institute of Chemical Engineers, 2017, 78, 212-218.	5.3	39
27	Ag 6 Mo 10 O 33 /g-C 3 N 4 1D-2D hybridized heterojunction as an efficient visible-light-driven photocatalyst. Molecular Catalysis, 2017, 432, 285-291.	2.0	37
28	Ag-Ag3VO4/AgIO3 composites with enhanced visible-light-driven catalytic activity. Journal of Colloid and Interface Science, 2018, 524, 16-24.	9.4	37
29	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. Chemical Engineering Journal, 2020, 397, 125310.	12.7	37
30	Recent Progress on Metallic Bismuthâ€Based Photocatalysts: Synthesis, Construction, and Application in Water Purification. Solar Rrl, 2021, 5, 2100668.	5.8	37
31	Porous g-C 3 N 4 with enhanced adsorption and visible-light photocatalytic performance for removing aqueous dyes and tetracycline hydrochloride. Chinese Journal of Chemical Engineering, 2018, 26, 753-760.	3.5	36
32	AgI/Î²-Ag 2 MoO 4 heterojunctions with enhanced visible-light-driven catalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 225-231.	5.3	28
33	Synthesis of flower-like Ta3N5-Au heterojunction with enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2017, 695, 1137-1144.	5.5	26
34	Ag 3 VO 4 /BiOIO 3 heterojunction with enhanced visible-light-driven catalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 177-185.	5.3	25
35	MWCNTs/BiOCOOH composites with improved sunlight photocatalytic activity. Materials Letters, 2017, 191, 157-160.	2.6	22
36	Evaluation of the use of eucalyptus to control algae bloom and improve water quality. Science of the Total Environment, 2019, 667, 412-418.	8.0	20

#	Article	IF	Citations
37	Flower-like MWCNTs/Bi2O2CO3 composites with enhanced photocatalytic activity under simulated solar light irradiation. Materials Letters, 2016, 185, 50-53.	2.6	14
38	Ag-Ag 2 CO 3 /Bi 2 MoO 6 composites with enhanced visible-light-driven catalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 121-129.	5.3	14
39	AgI/Ag2Mo3O10Â·1.8H2O: A new photocatalyst working under visible light. Materials Chemistry and Physics, 2020, 241, 122406.	4.0	6
40	Designing Oxygen Vacancy Mediated Bi2moo6/C3n5 S-Scheme Heterojunctions for Boosted Photocatalytic Removal of Tetracycline Antibiotic and Cr(Vi): Intermediate Toxicity and Mechanism Insight. SSRN Electronic Journal, 0, , .	0.4	1
41	Electrospun Porous Ta₃N₅ Nanorods with Enhanced Visible Light Photocatalytic Activity. Advanced Materials Research, 0, 955-959, 84-87.	0.3	0