

Junlei Zhang

List of Publications by Year in descending order

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41
papers

3,233
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147801

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docs citations

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times ranked

2439
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#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> construction of a C ₃ N ₅ nanosheet/Bi ₂ WO ₆ nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr(VI). <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2479-2497.	6.0	217
2	Oxo dicopper anchored on carbon nitride for selective oxidation of methane. <i>Nature Communications</i> , 2022, 13, 1375.	12.8	98
3	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 appraisalment. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 307-321.	9.4	135
4	Designing oxygen vacancy mediated bismuth molybdate (Bi ₂ MoO ₆)/N-rich carbon nitride (C ₃ N ₅) S-scheme heterojunctions for boosted photocatalytic removal of tetracycline antibiotic and Cr(VI): Intermediate toxicity and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 219-232.	9.4	155
5	Visible-light-assisted peroxymonosulfate activation over Fe(II)/V(IV) self-doped FeVO ₄ nanobelts with enhanced sulfamethoxazole degradation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2021, 403, 126384.	12.7	97
6	Constructing a plasmonic p-n heterojunction photocatalyst of 3D Ag/Ag ₆ Si ₂ O ₇ /Bi ₂ MoO ₆ for efficiently removing broad-spectrum antibiotics. <i>Separation and Purification Technology</i> , 2021, 254, 117579.	7.9	119
7	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. <i>Journal of Hazardous Materials</i> , 2021, 410, 124623.	12.4	59
8	Construction of BiOCl/CuBi ₂ O ₄ S-scheme heterojunction with oxygen vacancy for enhanced photocatalytic diclofenac degradation and nitric oxide removal. <i>Chemical Engineering Journal</i> , 2021, 411, 128555.	12.7	200
9	Experimental and DFT insights into the visible-light driving metal-free C ₃ N ₅ activated persulfate system for efficient water purification. <i>Applied Catalysis B: Environmental</i> , 2021, 289, 120023.	20.2	190
10	Enhanced durability of nitric oxide removal on TiO ₂ (P25) under visible light: Enabled by the direct Z-scheme mechanism and enhanced structure defects through coupling with C ₃ N ₅ . <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120372.	20.2	96
11	Recent Progress on Metallic Bismuth-Based Photocatalysts: Synthesis, Construction, and Application in Water Purification. <i>Solar Rrl</i> , 2021, 5, 2100668.	5.8	37
12	AgI/Ag ₂ Mo ₃ O ₁₀ ·1.8H ₂ O: A new photocatalyst working under visible light. <i>Materials Chemistry and Physics</i> , 2020, 241, 122406.	4.0	6
13	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. <i>Chemical Engineering Journal</i> , 2020, 397, 125310.	12.7	37
14	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. <i>Chemical Engineering Journal</i> , 2020, 390, 124582.	12.7	40
15	In situ construction of WO ₃ nanoparticles decorated Bi ₂ MoO ₆ microspheres for boosting photocatalytic degradation of refractory pollutants. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 335-344.	9.4	219
16	Highly efficient decomposition of ammonia using high-entropy alloy catalysts. <i>Nature Communications</i> , 2019, 10, 4011.	12.8	376
17	Allelopathically inhibitory effects of eucalyptus extracts on the growth of <i>Microcystis aeruginosa</i> . <i>Chemosphere</i> , 2019, 225, 424-433.	8.2	45
18	Evaluation of the use of eucalyptus to control algae bloom and improve water quality. <i>Science of the Total Environment</i> , 2019, 667, 412-418.	8.0	20

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19	Facile Formation of Bi ₂ O ₂ CO ₃ /Bi ₂ MoO ₆ Nanosheets for Visible Light-Driven Photocatalysis. ACS Omega, 2019, 4, 3871-3880.	3.5	56
20	Ag/AgCl/Ag ₂ MoO ₄ composites for visible-light-driven photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 67-75.	3.9	59
21	Ag-Ag ₃ VO ₄ /AgIO ₃ composites with enhanced visible-light-driven catalytic activity. Journal of Colloid and Interface Science, 2018, 524, 16-24.	9.4	37
22	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
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	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
25	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
26	MWCNTs/BiOCCOOH composites with improved sunlight photocatalytic activity. Materials Letters, 2017, 191, 157-160.	2.6	22
27	Novel \hat{I}^2 -Ag ₂ MoO ₄ /g-C ₃ N ₄ heterojunction catalysts with highly enhanced visible-light-driven photocatalytic activity. RSC Advances, 2017, 7, 2163-2171.	3.6	68
28	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
29	Flower-like Ag ₃ VO ₄ /BiOBr n-p heterojunction photocatalysts with enhanced visible-light-driven catalytic activity. Molecular Catalysis, 2017, 436, 190-198.	2.0	65
30	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
31	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
32	AgI/ \hat{I}^2 -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	Enhanced visible-light photocatalytic performance of Ag ₃ VO ₄ /Bi ₂ WO ₆ heterojunctions in removing aqueous dyes and tetracycline hydrochloride. Journal of the Taiwan Institute of Chemical Engineers, 2017, 78, 212-218.	5.3	39
34	Synthesis of flower-like Ag ₂ O/BiOCCOOH p-n heterojunction with enhanced visible light photocatalytic activity. Applied Surface Science, 2017, 397, 95-103.	6.1	81
35	Synthesis of flower-like Ta ₃ N ₅ -Au heterojunction with enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2017, 695, 1137-1144.	5.5	26
36	Synthesis of BiOBr/WO ₃ heterojunctions with enhanced visible light photocatalytic activity. CrystEngComm, 2016, 18, 3856-3865.	2.6	104

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37	Flower-like Ag ₂ O/Bi ₂ MoO ₆ p-n heterojunction with enhanced photocatalytic activity under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 37-44.	4.8	99
38	Flower-like MWCNTs/Bi ₂ O ₂ CO ₃ composites with enhanced photocatalytic activity under simulated solar light irradiation. <i>Materials Letters</i> , 2016, 185, 50-53.	2.6	14
39	Flower-like Bi ₂ S ₃ /Bi ₂ MoO ₆ heterojunction superstructures with enhanced visible-light-driven photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 75081-75088.	3.6	78
40	Electrospun Porous Ta ₃ N ₅ Nanorods with Enhanced Visible Light Photocatalytic Activity. <i>Advanced Materials Research</i> , 0, 955-959, 84-87.	0.3	0
41	Designing Oxygen Vacancy Mediated Bi ₂ MoO ₆ /C ₃ N ₅ S-Scheme Heterojunctions for Boosted Photocatalytic Removal of Tetracycline Antibiotic and Cr(VI): Intermediate Toxicity and Mechanism Insight. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1