

# Photocatalytic degradation of tetracycline antibiotic by S-scheme heterojunction: Performance, mechanism ins

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enhanced visible-light photocatalytic bacterial inhibition using recyclable magnetic heterogeneous nanocomposites (Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @Ag <sub>2</sub> WO <sub>4</sub> @Ag <sub>2</sub> S) in core/shell structure. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100601.	1.7	8
2	Visible-light photocatalytic tetracycline degradation over nanodots-assembled N-ZrO <sub>2</sub> nanostructures: Performance, degradation pathways and mechanistic insight. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162582.	2.8	24
3	Photocatalytic properties of flower-like BiOBr/BiOCl heterojunctions in-situ constructed by a reactable ionic liquid. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109063.	1.8	17
4	Fabrication of BiOCl with adjustable oxygen vacancies and greatly elevated photocatalytic activity by using bamboo fiber surface embellishment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127892.	2.3	14
5	Construction of a tandem S-scheme GDY/CuI/CdS-R heterostructure based on morphology-regulated graphdiyne (g-C <sub>3</sub> N <sub>4</sub> /H <sub>2</sub> N <sub>2</sub> ) for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1976-1991.	5.2	58
6	2D/3D S-scheme heterojunction of carbon nitride/iodine-deficient bismuth oxyiodide for photocatalytic hydrogen production and bisphenol A degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 722-736.	5.0	34
7	Construction of a hydrangea-like Bi <sub>2</sub> WO <sub>6</sub> /BiOCl composite as a high-performance photocatalyst. <i>New Journal of Chemistry</i> , 2022, 46, 2627-2634.	1.4	14
8	3D structured TiO <sub>2</sub> -based aerogel photocatalyst for the high-efficiency degradation of toluene gas. <i>New Journal of Chemistry</i> , 2022, 46, 2272-2281.	1.4	10
9	Layered and porous (Al,C)-Ta <sub>2</sub> O <sub>5</sub> mesocrystals supported CdS quantum dots for high-efficiency photodegradation of organic contaminants. <i>Separation and Purification Technology</i> , 2022, 284, 120297.	3.9	29
10	Activation of peracetic acid by RuO <sub>2</sub> /MWCNTs to degrade sulfamethoxazole at neutral condition. <i>Chemical Engineering Journal</i> , 2022, 431, 134217.	6.6	21
11	Enhanced Fe <sup>N</sup> active site formation through interfacial energy control of precursor impregnation solution for the air cathode of membraneless direct formate fuel cells. <i>Carbon</i> , 2022, 189, 240-250.	5.4	7
12	2D-Bi <sub>4</sub> NbO <sub>8</sub> Cl nanosheet for efficient photocatalytic degradation of tetracycline in synthetic and real wastewater under visible-light: Influencing factors, mechanism and degradation pathway. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163400.	2.8	17
13	In-situ synthesis of a novel ZnO/CuCo <sub>2</sub> S <sub>4</sub> p-n heterojunction photocatalyst with improved phenol and rhodamine B degradation performance and investigating the mechanism of charge carrier separation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113676.	2.0	9
14	Z-scheme 0D/3D p-Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> nanoparticles-decorated n-Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> micro-flowers heterojunction photocatalyst for efficient degradation of organic contaminants. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163150.	2.8	15
15	Co <sub>3</sub> O <sub>4</sub> -Bi <sub>2</sub> O <sub>3</sub> heterojunction: An effective photocatalyst for photodegradation of rhodamine B dye. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103732.	2.3	32
16	Lotus-leaf-like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanosheet combined with MoS <sub>3</sub> for higher photocatalytic hydrogen evolution. <i>Separation and Purification Technology</i> , 2022, 288, 120588.	3.9	79
17	Epitaxial Growth of Flower-Like MoS <sub>2</sub> on One-Dimensional Nickel Titanate Nanofibers: A "Sweet Spot" for Efficient Photoreduction of Carbon Dioxide. <i>Frontiers in Chemistry</i> , 2022, 10, 837915.	1.8	6
18	Synthesis of a CoO-ZnO photocatalyst for enhanced visible-light assisted photodegradation of methylene blue. <i>New Journal of Chemistry</i> , 2022, 46, 2224-2231.	1.4	30

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19	Facile fabrication of electrospun g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> /poly(acrylonitrile-co-maleic) Tj ETQq0 0 0 Journal of Chemistry, 2022, 46, 3727-3737.	1.4	0
20	Emerging frontiers of Z-scheme photocatalytic systems. Trends in Chemistry, 2022, 4, 111-127.	4.4	100
21	Construction of flower-like Ag/AgBr/BiOBr heterostructures with boosted photocatalytic activity. Inorganic Chemistry Communication, 2022, 137, 109254.	1.8	16
22	In situ forming heterointerface in g-C <sub>3</sub> N <sub>4</sub> /BiOBr photocatalyst for enhancing the photocatalytic activity. Journal of Physics and Chemistry of Solids, 2022, 163, 110609.	1.9	13
23	GNR@CeO <sub>2</sub> heterojunction as a novel sonophotocatalyst: Degradation of tetracycline hydrochloride, kinetic modeling and synergistic effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128324.	2.3	16
24	DFT, EPR and SPR insight to the relation between photocatalytic activity and nonlinearity and anisotropy ferromagnetism of Au/Co <sub>3</sub> O <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> composites. Journal of Alloys and Compounds, 2022, 902, 163804.	2.8	21
25	Synthesis of BiOCl/Bi <sub>3</sub> NbO <sub>7</sub> heterojunction by in-situ chemical etching with enhanced photocatalytic performance for the degradation of organic pollutants. Applied Surface Science, 2022, 587, 152633.	3.1	11
26	Hydrothermal Synthesis and Photocatalytic Properties of Graphene@Ag/AgSb <sub>2</sub> O <sub>5.8</sub> Composites: Reaction Laws of the Composites in Sintering Process. Advances in Materials Science and Engineering, 2022, 2022, 1-11.	1.0	0
27	A novel hierarchical nanostructured S-scheme RGO/Bi <sub>2</sub> MoO <sub>6</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction: Excellent photocatalytic degradation activity for pollutants. Applied Surface Science, 2022, 588, 152788.	3.1	23
28	Fabrication of 3D flower-like OV-Bi <sub>2</sub> SiO <sub>5</sub> hierarchical microstructures for visible light-driven removal of tetracycline. Surfaces and Interfaces, 2022, 29, 101787.	1.5	8
29	Fabrication and characterization of a TiBs@MCN cable-like photocatalyst with high photocatalytic performance under visible light irradiation. New Journal of Chemistry, 2022, 46, 6319-6329.	1.4	3
30	<i>In situ</i> construction of a C <sub>3</sub> N <sub>5</sub> nanosheet/Bi <sub>2</sub> WO <sub>6</sub> nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr( <sup>vi</sup> ). Inorganic Chemistry Frontiers, 2022, 9, 2479-2497.	3.0	217
31	Multi-activity cobalt ferrite/MXene nanoenzymes for drug-free phototherapy in bacterial infection treatment. RSC Advances, 2022, 12, 11090-11099.	1.7	11
32	Developing high photocatalytic antibacterial Zn electrodeposited coatings through Schottky junction with Fe <sup>3+</sup> -doped alkalized g-C <sub>3</sub> N <sub>4</sub> photocatalysts. Nano Materials Science, 2023, 5, 177-188.	3.9	8
33	One step in situ synthesis of Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /Bi <sub>3</sub> O <sub>4</sub> Cl ternary heterostructures with enhanced photocatalytic performance. Applied Surface Science, 2022, 592, 153160.	3.1	11
34	Ternary Biocidal-Photocatalytic-Upconverting Nanocomposites for Enhanced Antibacterial Activity. ACS Sustainable Chemistry and Engineering, 2022, 10, 4741-4749.	3.2	11
35	Enhanced photocatalytic activity of 3D hierarchical RP/BP/BiOCCOOH via oxygen vacancies and double heterojunctions. Chemosphere, 2022, 300, 134485.	4.2	13
36	Constructing an S-scheme CuBi <sub>2</sub> O <sub>4</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> heterojunction for light emitting diode-driven pollutant degradation and bacterial inactivation. Journal of Colloid and Interface Science, 2022, 621, 295-310.	5.0	37

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37	Photocatalytic oxidation of tetracycline, reduction of hexavalent chromium and hydrogen evolution by Cu <sub>2</sub> O/g-C <sub>3</sub> N <sub>4</sub> S-scheme photocatalyst: Performance and mechanism insight. <i>Applied Surface Science</i> , 2022, 592, 153309.	3.1	27
38	Synthesis and characterization of Bi <sub>2</sub> MoO <sub>6</sub> /MIL-101(Fe) as a novel composite with enhanced photocatalytic performance: Effect of water matrix and reaction mechanism. <i>Advanced Powder Technology</i> , 2022, 33, 103546.	2.0	26
39	Construction of BiOBr/Ti <sub>3</sub> C <sub>2</sub> /exfoliated montmorillonite Schottky junction: New insights into exfoliated montmorillonite for inducing MXene oxygen functionalization and enhancing photocatalytic activity. <i>Chemical Engineering Journal</i> , 2022, 438, 135609.	6.6	47
40	A distinct hollow spindle-like CdIn <sub>2</sub> S <sub>4</sub> photocatalyst for high-efficiency tetracycline removal. <i>Materials Today Chemistry</i> , 2022, 24, 100800.	1.7	6
41	CaMoO <sub>4</sub> /CaWO <sub>4</sub> heterojunction micro/nanocomposites with interface defects for enhanced photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128642.	2.3	30
42	Constructing an ohmic junction of copper@ cuprous oxide nanocomposite with plasmonic enhancement for photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 163-176.	5.0	25
43	Efficient degradation of ciprofloxacin by Co <sub>3</sub> O <sub>4</sub> /Si nanoarrays heterojunction activated peroxymonosulfate under simulated sunlight: Performance and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107397.	3.3	17
44	Visible-light-driven TiO <sub>2</sub> @N-Au nanorobot penetrating the vitreous. <i>Applied Materials Today</i> , 2022, 27, 101455.	2.3	8
45	Designing novel MgFe <sub>2</sub> O <sub>4</sub> coupled V <sub>2</sub> O <sub>5</sub> nanorod for synergetic photodegradation of tetracycline with enhanced visible-light energy harvesting: Photoluminescence, kinetics, intrinsic mechanism and bactericidal effect. <i>Chemosphere</i> , 2022, 296, 134012.	4.2	11
46	In-situ synthesis of BiO on 3D-3D-shaped (BiO) <sub>2</sub> CO <sub>3</sub> surface for photocatalytic inactivation: Metal self-doping mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107576.	3.3	2
47	Photocatalytic reduction of CO <sub>2</sub> and degradation of Bisphenol-S by g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>2</sub> O@Cu S-scheme heterojunction: Study on the photocatalytic performance and mechanism insight. <i>Carbon</i> , 2022, 193, 272-284.	5.4	51
48	Heterojunction and ferroelectric polarization co-promoting photocatalytic activity. <i>Applied Surface Science</i> , 2022, 587, 152852.	3.1	16
49	UiO-66 with confined dyes for adsorption and visible-light photocatalytic reduction of aqueous Cr(VI). <i>Inorganic Chemistry Communication</i> , 2022, 140, 109441.	1.8	13
50	Strengthened photocatalytic removal of bisphenol A under visible light by magnetic ternary heterojunctions Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2022, 908, 164644.	2.8	11
51	Cookies-like Ag <sub>2</sub> S/Bi <sub>4</sub> NbO <sub>8</sub> Cl heterostructures for high efficient and stable photocatalytic degradation of refractory antibiotics utilizing full-spectrum solar energy. <i>Separation and Purification Technology</i> , 2022, 292, 120969.	3.9	12
52	Coupling of Ru nanoclusters decorated mixed-phase (1T and 2H) MoSe <sub>2</sub> on biomass-derived carbon substrate for advanced hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 594-603.	5.0	34
53	Tunable oxygen vacancies facilitated removal of PFOA and RhB over BiOCl prepared with alcohol ether sulphate. <i>Applied Surface Science</i> , 2022, 590, 152891.	3.1	21
54	In suit constructing S-scheme FeOOH/MgIn <sub>2</sub> S <sub>4</sub> heterojunction with boosted interfacial charge separation and redox activity for efficiently eliminating antibiotic pollutant. <i>Chemosphere</i> , 2022, 298, 134297.	4.2	82

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55	Construction of Z-scheme Cs <sub>3</sub> PMo <sub>12</sub> O <sub>40</sub> /g-C <sub>3</sub> N <sub>4</sub> composite photocatalyst with highly efficient photocatalytic performance under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123069.	1.4	13
56	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.	5.0	135
57	Magnetically separable type-II semiconductor based ZnO/MoO <sub>3</sub> photocatalyst: a proficient system for heteroarenes arylation and rhodamine B degradation under visible light. <i>New Journal of Chemistry</i> , 2022, 46, 8478-8488.	1.4	5
58	Metal-organic framework based heterojunction photocatalysts for organic pollutant degradation: design, construction, and performances. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2675-2693.	1.6	23
59	Copper selenides controlled hydrothermal synthesis of porous micro-networks with highly efficient photocatalysis. <i>Materials Today Sustainability</i> , 2022, 18, 100135.	1.9	1
60	Visible-light-responsive NaBiO <sub>3</sub> /UiO-67 heterojunction with enhanced photocatalytic performance. <i>Materials Science in Semiconductor Processing</i> , 2022, 147, 106708.	1.9	6
61	Photocatalytic degradation of rhodamine-B by visible light assisted peroxymonosulfate activation using the Z-scheme MIL-100(Fe)/Bi <sub>2</sub> S <sub>3</sub> composite: a combined experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2022, 46, 10728-10745.	1.4	13
62	A novel Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> /defective carbon nitride heterojunction photocatalyst: preparation and application for photocatalytic oxytetracycline removal. <i>CrystEngComm</i> , 2022, 24, 4128-4133.	1.3	4
63	Preparation of C/Co co-doped TiO <sub>2</sub> for enhancing the photocatalytic degradation efficiency of tetracycline hydrochloride. <i>New Journal of Chemistry</i> , 2022, 46, 10191-10200.	1.4	2
64	Preparation and characterization of Ppy/Bi <sub>2</sub> MoO <sub>6</sub> microspheres with highly photocatalytic performance for removal of highly concentrated organic dyes. <i>Materials Today Sustainability</i> , 2022, 19, 100154.	1.9	11
65	Integration of plasmonic effect and S-scheme heterojunction into gold decorated carbon nitride/cuprous oxide catalyst for photocatalysis. <i>Journal of Cleaner Production</i> , 2022, 360, 131948.	4.6	29
66	Nanodiamonds decorated yolk-shell ZnFe <sub>2</sub> O <sub>4</sub> sphere as magnetically separable and recyclable composite for boosting antibiotic degradation performance. <i>Chinese Journal of Chemical Engineering</i> , 2023, 54, 162-172.	1.7	8
67	Green-based biosynthesis of Se nanorods in chitosan and assessment of their photocatalytic and cytotoxicity effects. <i>Environmental Technology and Innovation</i> , 2022, 27, 102610.	3.0	8
68	Interface matters: Design of an efficient CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -rGO photocatalyst. <i>Powder Technology</i> , 2022, 404, 117478.	2.1	12
69	Construction of oxygen vacancy enriched Bi <sub>2</sub> MoO <sub>6</sub> /BiFeWO <sub>6</sub> heterojunction for efficient degradation of organic pollutants. <i>Journal of Solid State Chemistry</i> , 2022, 312, 123210.	1.4	2
70	Construction of Au and C <sub>60</sub> quantum dots modified materials of Institute Lavoisier-125(Ti) architectures for antibiotic degradation: Performance, toxicity assessment, and mechanistic insight. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 417-431.	5.0	18
71	Preparation, characterization and visible light photocatalytic studies of Ag/AgBr/Li <sub>2</sub> ZrO <sub>3</sub> composite. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109504.	1.8	5
72	Generating a captivating S-scheme CuBi <sub>2</sub> O <sub>4</sub> /CoV <sub>2</sub> O <sub>6</sub> heterojunction with boosted charge spatial separation for efficiently removing tetracycline antibiotic from wastewater. <i>Journal of Cleaner Production</i> , 2022, 357, 131992.	4.6	63

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73	Rationally designed S-scheme heterojunction of C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> /carbon fiber cloth as a recyclable, macroscopic and efficient photocatalyst for wastewater treatment. <i>Chemical Engineering Journal</i> , 2022, 445, 136703.	6.6	46
74	Comparative study of BiVO <sub>4</sub> and BiVO <sub>4</sub> /Ag <sub>2</sub> O regarding their properties and photocatalytic degradation mechanism. <i>New Journal of Chemistry</i> , 2022, 46, 11608-11616.	1.4	7
75	Bioinspired hierarchical 3D flower-in-ridge hybrid structure for the photodegradation of persistent organic pollutants. <i>Nanoscale</i> , 2022, 14, 8130-8144.	2.8	7
76	Constructing Ag decorated ZnS <sub>1-x</sub> quantum dots/Ta <sub>2</sub> O <sub>5-x</sub> nanospheres for boosted tetracycline removal: Synergetic effects of structural defects, S-scheme heterojunction, and plasmonic effects. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 1085-1100.	5.0	21
77	Structural, morphological, and gas sensing properties of Co-doped ZnO nanoparticles. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 793-802.	1.1	8
78	Visible light driven antibiotics degradation using S-scheme Bi <sub>2</sub> WO <sub>6</sub> /CoIn <sub>2</sub> S <sub>4</sub> heterojunction: Mechanism, degradation pathways and toxicity assessment. <i>Chemosphere</i> , 2022, 303, 135113.	4.2	32
79	Efficient degradation of atrazine residues in wastewater by persulfate assisted Ag <sub>3</sub> VO <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> /diatomite under visible light. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107938.	3.3	1
80	Outlook on bismuth-based photocatalysts for environmental applications: A specific emphasis on Z-scheme mechanisms. <i>Chemosphere</i> , 2022, 303, 135052.	4.2	10
81	Designing oxygen vacancy mediated bismuth molybdate (Bi <sub>2</sub> MoO <sub>6</sub> )/N-rich carbon nitride (C <sub>3</sub> N <sub>5</sub> ) 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.	5.0	155
82	Visible-light driven dual heterojunction formed between g-C <sub>3</sub> N <sub>4</sub> /BiOCl@MXene-Ti <sub>3</sub> C <sub>2</sub> for the effective degradation of tetracycline. <i>Environmental Pollution</i> , 2022, 308, 119597.	3.7	20
83	Two-dimensional polymerized carbon nitride coupled with (0 0 1)-facets-exposed titanium dioxide S-scheme heterojunction for photocatalytic degradation of norfloxacin. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109704.	1.8	4
84	Bisphenol A assisted Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /CuZnInS Schottky heterojunction for highly efficient photocatalytic nitrogen fixation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129430.	2.3	9
85	Effectively destruction of rhodamine B and perfluorooctanoic acid over BiOCl with boosted separation ability of carriers benefited from tunable oxygen vacancies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 649, 129470.	2.3	7
86	Flower-globular BiOI/BiVO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> with a dual Z-scheme heterojunction for highly efficient degradation of antibiotics under visible light. <i>Separation and Purification Technology</i> , 2022, 297, 121503.	3.9	63
87	Photocatalytic H <sub>2</sub> production over S-scheme Co <sub>3</sub> Se <sub>4</sub> /TiO <sub>2</sub> nanosheet with super-hydrophilic surface. <i>Applied Surface Science</i> , 2022, 599, 153900.	3.1	22
88	A carbon nanowire-promoted Cu <sub>2</sub> O/TiO <sub>2</sub> nanocomposite for enhanced photoelectrochemical performance. <i>New Journal of Chemistry</i> , 2022, 46, 15495-15503.	1.4	5
89	Polypyrrole and a polypyrrole/nickel oxide composite @ single-walled carbon nanotube enhanced photocatalytic activity under visible light. <i>New Journal of Chemistry</i> , 2022, 46, 14065-14080.	1.4	5
90	Constructing Cd <sub>0.5</sub> Zn <sub>0.5</sub> /Bi <sub>2</sub> WO <sub>6</sub> S-scheme heterojunction for boosted photocatalytic antibiotic oxidation and Cr(VI) reduction. , 2023, 2, 100073.		158

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91	Transpiration-prompted Photocatalytic Degradation of Dye Pollutant with AuNPs/PANI Based Cryogels. Chinese Journal of Polymer Science (English Edition), 0, , .	2.0	4
92	S-scheme heterojunctions: Emerging designed photocatalysts toward green energy and environmental remediation redox reactions. Journal of Environmental Chemical Engineering, 2022, 10, 108249.	3.3	58
93	Surface morphology properties and antifouling activity of Bi <sub>2</sub> WO <sub>6</sub> /boron-grafted polyurethane composite coatings realized via multiple synergy. Journal of Colloid and Interface Science, 2022, 626, 815-823.	5.0	7
94	Carbon dots as heterojunction transport mediators effectively enhance BiOI/g-C <sub>3</sub> N <sub>4</sub> synergistic persulfate degradation of antibiotics. Applied Surface Science, 2022, 601, 154249.	3.1	27
95	Efficient tetracycline degradation under visible light irradiation using CuBi <sub>2</sub> O <sub>4</sub> /ZnFe <sub>2</sub> O <sub>4</sub> type II heterojunction photocatalyst based on two spinel oxides. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 433, 114122.	2.0	18
96	Effective photodegradation of rhodamine B and levofloxacin over CQDs modified BiOCl and BiOBr composite: Mechanism and toxicity assessment. Journal of Colloid and Interface Science, 2022, 627, 180-193.	5.0	30
97	Facile synthesizing Z-scheme Bi <sub>2</sub> O <sub>3</sub> /InVO <sub>4</sub> heterojunction to effectively degrade pollutants and antibacterial under light-emitting diode light. Journal of Colloid and Interface Science, 2022, 627, 224-237.	5.0	16
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99	Metal organic framework-derived Zr/Cu bimetallic photocatalyst for the degradation of tetracycline and organic dyes. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100727.	1.7	5
100	Enhanced visible light absorption CdS-decorated direct Z-scheme g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> for improved photocatalysis and hydrogen generation. Journal of Materials Research, 2022, 37, 2241-2256.	1.2	4
101	Construction of Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> /Ag/Ag <sub>3</sub> PO <sub>4</sub> heterojunction and its photocatalytic degradation properties. Journal of the Taiwan Institute of Chemical Engineers, 2022, 138, 104443.	2.7	8
102	Facile synthesis of CaWO <sub>4</sub> nanoparticles incorporated on porous carbons with improved photocatalytic degradation of tetracycline. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129790.	2.3	16
103	New insights into the removal of nitric oxide using UiO-66-NH <sub>2</sub> : Synergistic photooxidation and subsequent adsorption. Journal of Environmental Chemical Engineering, 2022, 10, 108294.	3.3	13
104	A 3D porphyrinic metal-organic framework with fsc topology for efficient visible-light-driven photocatalytic degradation. Polyhedron, 2022, 226, 116091.	1.0	11
105	In-situ-construction of BiOI/UiO-66 heterostructure via nanoplate-on-octahedron: A novel p-n heterojunction photocatalyst for efficient sulfadiazine elimination. Chemical Engineering Journal, 2023, 451, 138624.	6.6	26
106	Synthesis of novel g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> photocatalyst with improved solar-light-driven photocatalytic degradation of organic dyes. Environmental Quality Management, 2022, 32, 45-59.	1.0	2
107	Fabrication of beta zeolite supported Ti <sub>3</sub> +TiO <sub>2</sub> /CdS composite for ultrahigh-performance photodegradation of tetracycline under visible-light illumination. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 653, 129965.	2.3	3
108	Degradation of tetracycline using persulfate activated by a honeycomb structured S-doped g-C <sub>3</sub> N <sub>4</sub> /biochar under visible light. Separation and Purification Technology, 2022, 300, 121833.	3.9	17

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110	Novel ZnO nanorods/Bi <sub>2</sub> MoO <sub>6</sub> /MIL-101(Fe) heterostructure immobilized on FTO with boosting photocatalytic activity for tetracycline degradation: Reaction mechanism and toxicity assessment. <i>Applied Surface Science</i> , 2022, 602, 154389.	3.1	26
111	Fabrication of Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> -decorated rod-like MOF-derived MoS <sub>2</sub> hierarchical heterostructures for boosting photocatalytic CO <sub>2</sub> reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 653, 129940.	2.3	7
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113	Nd <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> /Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> /Ag <sub>3</sub> PO <sub>4</sub> double Z-type heterojunction for antibiotic photodegradation under visible light irradiation: Mechanism, optimization and pathways. <i>Separation and Purification Technology</i> , 2022, 300, 121897.	3.9	38
114	Surface modified Bi <sub>2</sub> SiO <sub>5</sub> microflowers with Fe <sup>3+</sup> doping for efficient degradation of organic contaminants. <i>Journal of Alloys and Compounds</i> , 2022, 926, 166866.	2.8	3
115	Surface atom rearrangement on carbon nitride for enhanced photocatalysis degradation of antibiotics under visible light. <i>Chemical Engineering Journal</i> , 2023, 452, 139434.	6.6	31
116	Exfoliated g-C <sub>3</sub> N <sub>4</sub> supported CdS nanorods as a S-scheme heterojunction photocatalyst for the degradation of various textile dyes. <i>Advanced Powder Technology</i> , 2022, 33, 103801.	2.0	7
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118	A novel mechanism for visible-light degradation of phenol by oxygen vacancy Bi <sub>2</sub> MoO <sub>6</sub> homojunction. <i>Applied Surface Science</i> , 2022, 605, 154671.	3.1	12
119	Zn-P bond induced S-scheme heterojunction for efficient photocatalytic tetracycline degradation synergistic H <sub>2</sub> generation. <i>Journal of Alloys and Compounds</i> , 2022, 926, 166981.	2.8	9
120	Innovation synthesis of Zn <sub>0.5</sub> Cd <sub>0.5</sub> S/WO <sub>3</sub> S-scheme heterostructures with significantly enhanced photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 171, 110986.	1.9	4
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130	Recent Progress in Photocatalytic Removal of Environmental Pollution Hazards in Water Using Nanostructured Materials. <i>Separations</i> , 2022, 9, 264.	1.1	11
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151	Enhanced visible-light photodegradation of organic pollutants by surface plasmon resonance supported Ag/ZnO heterostructures. <i>Journal of Materials Research</i> , 2023, 38, 557-570.	1.2	6
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169	Carbon nanotube membrane armed with confined iron for peroxymonosulfate activation towards efficient tetracycline removal. <i>Separation and Purification Technology</i> , 2023, 312, 123319.	3.9	14
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