

Preparation of core-shell heterojunction photocatalysts
onto $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ hierarchical microspheres and their photo
pollutants and Cr(VI) ions

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly Photoactive Titanium Dioxide Supported Platinum Catalyst: Synthesis Using Cleaner Ultrasound Approach. <i>Catalysts</i> , 2022, 12, 78.	1.6	8
2	Surface doping of Bi ₄ Ti ₃ O ₁₂ with S: Enhanced photocatalytic activity, mechanism and potential photodegradation application. <i>Materials Research Bulletin</i> , 2022, 149, 111711.	2.7	53
3	Piezoelectric catalytic, photocatalytic and adsorption capability and selectivity removal of various dyes and mixed dye wastewater by ZnO nanoparticles. <i>Main Group Chemistry</i> , 2022, 21, 539-557.	0.4	7
4	Design and Photoelectric Performance of Perfect Solar Absorber Based on GaAs Grating. <i>Frontiers in Materials</i> , 2022, 8, .	1.2	2
5	Visible-Light-Driven Reduced Graphite Oxide as a Metal-Free Catalyst for Degradation of Colored Wastewater. <i>Nanomaterials</i> , 2022, 12, 374.	1.9	2
6	Bismuth/bismuth oxide-incorporated reduced graphene oxide nanocomposite: synthesis, characterisation, and photocatalytic activity. <i>Materials Research Express</i> , 2022, 9, 025001.	0.8	4
7	A switchable terahertz device combining ultra-wideband absorption and ultra-wideband complete reflection. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2527-2533.	1.3	186
8	Development and Functionalization of Visible-Light-Driven Water-Splitting Photocatalysts. <i>Nanomaterials</i> , 2022, 12, 344.	1.9	17
9	Natural Clay Modified with ZnO/TiO ₂ to Enhance Pollutant Removal from Water. <i>Catalysts</i> , 2022, 12, 148.	1.6	16
10	Novel Z-scheme In ₂ S ₃ /Bi ₂ WO ₆ core-shell heterojunctions with synergistic enhanced photocatalytic degradation of tetracycline hydrochloride. <i>Journal of Cleaner Production</i> , 2022, 339, 130634.	4.6	124
11	Enhanced photocatalytic activity, mechanism and potential application of Idoped-Bi ₄ Ti ₃ O ₁₂ photocatalysts. <i>Materials Today Chemistry</i> , 2022, 23, 100750.	1.7	28
12	Independently tunable triple-band infrared perfect absorber based on the square loops-shaped nano-silver structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 139, 115122.	1.3	5
13	Bi ₄ Ti ₃ O ₁₂ /CdS Nanocomposites Enhance the Photocatalytic Degradation Performance. <i>Nano</i> , 0, , .	0.5	1
14	Fabrication of MnFe ₂ O ₄ spheres modified CeO ₂ nano-flakes for sustainable photodegradation of MB dye and antimicrobial activity: A brief computational investigation on reactive sites and degradation pathway. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128566.	2.3	16
15	Template-free synthesis of Bi ₂ O ₂ CO ₃ hierarchical nanotubes self-assembled from ordered nanoplates for promising photocatalytic applications. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8279-8295.	1.3	100
16	Novel Scheme Towards Interfacial Charge Transfer between ZnIn ₂ S ₄ and BiOBr for Efficient Photocatalytic Removal of Organics and Chromium (VI) from Water. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
17	Thermal tuning of terahertz metamaterial absorber properties based on VO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8846-8853.	1.3	197
18	Multi-mode surface plasmon resonance absorber based on dart-type single-layer graphene. <i>RSC Advances</i> , 2022, 12, 7821-7829.	1.7	226

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19	Z-Scheme Heterojunction of 3-Dimensional Hierarchical Bi ₃ O ₄ Cl/Bi ₅ O ₇ I for a Significant Enhancement in the Photocatalytic Degradation of Organic Pollutants (RhB and BPA). <i>Nanomaterials</i> , 2022, 12, 767.	1.9	9
20	The Structure Design and Photoelectric Properties of Wideband High Absorption Ge/GaAs/P3HT:PCBM Solar Cells. <i>Micromachines</i> , 2022, 13, 349.	1.4	3
21	Synthesis of carnation flower-like Bi ₂ O ₂ CO ₃ photocatalyst and its promising application for photoreduction of Cr(VI). <i>Advanced Powder Technology</i> , 2022, 33, 103481.	2.0	124
22	Selective Oxofunctionalization of Cyclohexane and Benzyl Alcohol over BiOI/TiO ₂ Heterojunction. <i>Catalysts</i> , 2022, 12, 318.	1.6	2
23	One-Pot Synthesis of TiO ₂ /Hectorite Composite and Its Photocatalytic Degradation of Methylene Blue. <i>Catalysts</i> , 2022, 12, 297.	1.6	4
24	A novel strategy to enhance the visible light driven photocatalytic activity of CuBi ₂ O ₄ through its piezoelectric response. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 167, 110732.	1.9	11
25	Band-Gap and Dimensional Engineering in Lead-Free Inorganic Halide Double Perovskite Cs ₄ Cu _{1-x} Ag _{2x} Sb ₂ Cl ₁₂ Single Crystals and Nanocrystals. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	3
26	Based on a dual Z-scheme heterojunction and magnetically separable CoFe ₂ O ₄ /g-C ₃ N ₄ /Bi ₄ Ti ₃ O ₁₂ flower-like composite for efficient visible-light photocatalytic degradation of organic pollutants. <i>Journal of Alloys and Compounds</i> , 2022, 911, 164907.	2.8	29
27	Bimetallic CuPd nanoparticle-decorated MgAl-LDH/g-C ₃ N ₄ composites for efficient photocatalytic reduction of aqueous Cr(VI). <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 183-191.	2.9	12
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30	The charge transfer feature and high photocatalytic activity of S-scheme TiO ₂ /h-BN heterostructure from first-principles. <i>Applied Surface Science</i> , 2022, 586, 152765.	3.1	20
31	High efficiency Titanium oxides and nitrides ultra-broadband solar energy absorber and thermal emitter from 200Ånm to 2600Ånm. <i>Optics and Laser Technology</i> , 2022, 150, 108002.	2.2	62
32	Engineering of 2D/3D architectures type II heterojunction with high-crystalline g-C ₃ N ₄ nanosheets on yolk-shell ZnFe ₂ O ₄ for enhanced photocatalytic tetracycline degradation. <i>Materials Research Bulletin</i> , 2022, 150, 111789.	2.7	72
33	Comparative investigation on synthesis, morphological tailoring and photocatalytic activities of Bi ₂ O ₂ CO ₃ nanostructures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 644, 128758.	2.3	95
34	Enhanced photocatalytic reduction of hexavalent chromium ions over Zn-bearing in CuZn hydroxy double salts: Insight into the structural investigation using extended X-ray absorption fine structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128893.	2.3	6
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38	Hard-templating design of mesoporous ZnAl ₂ O ₄ via in-situ microwave combustion method as an efficient solar-light-responsive nanophotocatalyst for photo-decomposition of organic dyes from aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113955.	2.0	7
39	Grating Structure Broadband Absorber Based on Gallium Arsenide and Titanium. <i>Coatings</i> , 2022, 12, 588.	1.2	2
40	S-Scheme BiOCl/MoSe ₂ Heterostructure with Enhanced Photocatalytic Activity for Dyes and Antibiotics Degradation under Sunlight Irradiation. <i>Sensors</i> , 2022, 22, 3344.	2.1	9
41	N-TiO ₂ /g-C ₃ N ₄ Dual Photocatalysts for Efficient Oxytetracycline Hydrochloride Photodegradation and CO ₂ Photoreduction. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	2
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48	Natural Volcanic Material as a Sustainable Photocatalytic Material for Pollutant Degradation under Solar Irradiation. <i>Materials</i> , 2022, 15, 3996.	1.3	2
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56	Two-dimensional CdO/PtSSe heterojunctions used for Z-scheme photocatalytic water-splitting. <i>Applied Surface Science</i> , 2022, 599, 153960.	3.1	23
57	Evaluation of Cytotoxicity of Pb ²⁺ Ion-Adsorbed Amino-Functionalized Magnetic Mesoporous Silica Nanoparticles: An In Vitro Study. <i>Frontiers in Materials</i> , 0, 9, .	1.2	0
58	Metamaterial Solar Absorber Based on Refractory Metal Titanium and Its Compound. <i>Coatings</i> , 2022, 12, 929.	1.2	4
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92	Design Simulation and Optimization of Germanium-Based Solar Cells with Micro-Nano Cross-Cone Absorption Structure. <i>Coatings</i> , 2022, 12, 1653.	1.2	5
93	Enhanced photocatalytic activity for degradation of ofloxacin and dye by hierarchical flower-like ZnS/MoS ₂ /Bi ₂ WO ₆ heterojunction: Synergetic effect of 2D/2D coupling interface and solid sulfide solutions. <i>Catalysis Communications</i> , 2022, 172, 106546.	1.6	5
94	PH-induced structural evolution, photodegradation mechanism and application of bismuth molybdate photocatalyst. <i>Advanced Powder Technology</i> , 2022, 33, 103858.	2.0	33
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111	Interfacial engineering of CQDs sensitized NiFe ₂ O ₄ spheres anchored CoCr ₂ O ₄ /MoO _{3-x} NSs for boosted visible light driven photodegradation of antibiotic, mechanistic insights, and its toxicity assessment. <i>Journal of Water Process Engineering</i> , 2023, 51, 103355.	2.6	8
112	Construction of novel CdS@CuS/g-C ₃ N ₄ heterojunctions for efficient visible light-driven photo-Fenton degradation performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 659, 130598.	2.3	30
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116	Synthesis of Co ₃ O ₄ Nanoparticles-Decorated Bi ₂ O ₇ Cl ₂ Hierarchical Microspheres for Enhanced Photocatalytic Degradation of RhB and BPA. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15028.	1.8	9
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119	Synthesis and Characterization of BaTiO ₃ /TiO ₂ Heterojunction Photocatalyst for Novel Application in Photocatalytic Degradation of TBBPA under Simulated Sunlight Irradiation. <i>ChemistrySelect</i> , 2022, 7, .	0.7	5
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