Xipengpu Pu

List of Publications by Year
in descending order

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92 papers	4,765 citations	61945 43 h-index	106281 65 g-index
92 all docs	92 docs citations	92 times ranked	3935 citing authors

#	Article	IF	Citations
1	Nano-flower like NiO modified BiOBr composites with direct Z-scheme: Improved visible light degradation activity for dyes. Journal of Solid State Chemistry, 2022, 306, 122715.	1.4	8
2	Preparation of magnetically retrievable flower-like AgBr/BiOBr/NiFe2O4 direct Z-scheme heterojunction photocatalyst with enhanced visible-light photoactivity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127880.	2.3	43
3	Performance study of foam ceramics prepared by direct foaming method using red mud and K-feldspar washed waste. Ceramics International, 2022, 48, 5197-5203.	2.3	20
4	Growing ZnIn2S4 nanosheets on FeWO4 flowers with p-n heterojunction structure for efficient photocatalytic H2 production. Applied Surface Science, 2022, 591, 153256.	3.1	64
5	Oneâ€Pot Synthesis and DFT Calculations of Tiâ€BiOCl/Bi Heterostructure Photocatalyst with Oxygen Vacancies and Bi Metal Induced by Ti Doping. Particle and Particle Systems Characterization, 2022, 39, .	1.2	4
6	One-dimensional rod-shaped Ag2Mo2O7/BiOI n-n junctions for efficient photodegradation of tetracycline and rhodamine B under visible light. Journal of Alloys and Compounds, 2022, 912, 165184.	2.8	59
7	A novel direct Z-scheme heterojunction BiFeO3/ZnFe2O4 photocatalyst for enhanced photocatalyst degradation activity under visible light irradiation. Journal of Alloys and Compounds, 2022, 912, 165185.	2.8	52
8	Microwave-assisted hydrothermal synthesis of broadband Yb3+/Er3+ co-doped BiOI/Bi2O4 photocatalysts with synergistic effects of upconversion and direct Z-scheme heterojunction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129276.	2.3	33
9	Coralline-like Ni2P decorated novel tetrapod-bundle Cd0.9Zn0.1S ZB/WZ homojunctions for highly efficient visible-light photocatalytic hydrogen evolution. Chinese Journal of Catalysis, 2021, 42, 439-449.	6.9	130
10	AgFeO₂ Nanoparticle/ZnIn₂S₄ Microsphere pâ€“n Heterojunctions with Hierarchical Nanostructures for Efficient Visible-Light-Driven H₂ Evolution. ACS Sustainable Chemistry and Engineering, 2021, 9, 2673-2683.	3.2	156
11	Enhanced charges separation to improve hydrogen production efficiency by organic piezoelectric film polarization. Journal of Alloys and Compounds, 2021, 869, 159390.	2.8	82
12	Magnetically separable <scp>NiFe₂O₄</scp>/<scp>Ag₃VO₄</scp>/<scp>Ag₂VO₂/sub direct <scp>Z</scp>â€scheme heterostructure with enhanced visibleâ€light photoactivity. Journal of Chemical Technology and Biotechnology, 2021, 96, 2976-2985.	1.6	19
13	0D/3D ZnIn2S4/Ag6Si2O7 nanocomposite with direct Z-scheme heterojunction for efficient photocatalytic H2 evolution under visible light. International Journal of Hydrogen Energy, 2021, 46, 28043-28052.	3.8	74
14	Hollow mesoporous g-C3N4/Ag2CrO4 photocatalysis with direct Z-scheme: Excellent degradation performance for antibiotics and dyes. Separation and Purification Technology, 2021, 270, 118797.	3.9	43
15	One-dimensional core-shell Zn0.1Cd0.9S/SnIn4S8 heterojunction for enhanced visible light photocatalytic degradation. Separation and Purification Technology, 2020, 230, 115896.	3.9	111
16	A durable superhydrophobic BiOBr/PFW cotton fabric for visible light response degradation and oil/water separation performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124027.	2.3	30
17	Synthesis and enhanced piezophotocatalytic activity of Ag2O/K0.5Na0.5NbO3 composites. Journal of Physics and Chemistry of Solids, 2020, 139, 109326.	1.9	70
18	Z-scheme BiOCl/Biâ€“Bi2O3 heterojunction with oxygen vacancy for excellent degradation performance of antibiotics and dyes. Journal of Materials Science, 2020, 55, 4017-4029.	1.7	51

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19	Development of Glucose Sensor Using Gold Nanoparticles and Glucose-Oxidase Functionalized Tapered Fiber Structure. Plasmonics, 2020, 15, 841-848.	1.8	64
20	Deposition-precipitation synthesis of Yb3+/Er3+ co-doped BiOBr/AgBr heterojunction photocatalysts with enhanced photocatalytic activity under Vis/NIR light irradiation. Separation and Purification Technology, 2020, 238, 116450.	3.9	80
21	TiO2-coated copper zinc tin sulfide photocatalyst for efficient photocatalytic decolourization of dye-containing wastewater. Materials Chemistry and Physics, 2020, 256, 123559.	2.0	7
22	Noble metal-free 0Dâ€“1D NiCoP/Mn_{0.3}Cd_{0.7}S nanocomposites for highly efficient photocatalytic H₂ evolution under visible-light irradiation. Nanotechnology, 2020, 31, 305701.	1.3	56
23	Highly efficient visible/NIR photocatalytic activity and mechanism of Yb3+/Er3+ co-doped Bi4O5I2 up-conversion photocatalyst. Separation and Purification Technology, 2020, 248, 117040.	3.9	129
24	Use of synergistic effects of the co-catalyst, p-n heterojunction, and porous structure for improvement of visible-light photocatalytic H2 evolution in porous Ni2O3/Mn0.2Cd0.8S/Cu3P@Cu2S. Journal of Alloys and Compounds, 2020, 845, 155569.	2.8	93
25	BiVO4 /Bi4Ti3O12 heterojunction enabling efficient photocatalytic reduction of CO2 with H2O to CH3OH and CO. Applied Catalysis B: Environmental, 2020, 270, 118876.	10.8	179
26	Fabrication of BiOBr-silicone aerogel photocatalyst in an aqueous system with degradation performance by sol-gel method. Science China Technological Sciences, 2020, 63, 859-865.	2.0	44
27	Facile synthesis of superhydrophobic ZIF-8/bismuth oxybromide photocatalyst aerogel for oil/water separation and hazardous pollutant degradation. Applied Nanoscience (Switzerland), 2020, 10, 1409-1419.	1.6	9
28	Ultra-Sensitive Cholesterol Sensor Using Gold and Zinc-Oxide Nanoparticles Immobilized Core Mismatch MPM/SPS Probe. Journal of Lightwave Technology, 2020, 38, 2523-2529.	2.7	55
29	Facile in situ chemical transformation synthesis, boosted charge separation, and increased photocatalytic activity of BiPO4/BiOCl p-n heterojunction photocatalysts under simulated sunlight irradiation. Journal of Physics and Chemistry of Solids, 2020, 147, 109630.	1.9	73
30	Accelerated charge transfer of Cd_{0.5}Zn_{0.5}S@ZnS coreâ€“shell nano-spheres via decoration of Ni₂P and g-C₃N₄ toward efficient visible-light-driven H₂ production. Dalton Transactions, 2020, 49, 6259-6269.	1.6	11
31	Bi and oxygen defects improved visible light photocatalysis with BiOBr nanosheets. Nanotechnology, 2020, 31, 495405.	1.3	14
32	Fabrication of CdS/Zn2GeO4 heterojunction with enhanced visible-light photocatalytic H2 evolution activity. International Journal of Hydrogen Energy, 2019, 44, 28649-28655.	3.8	17
33	Construction of direct Z-scheme system for enhanced visible light photocatalytic activity based on Zn_{0.1}Cd_{0.9}S/FeWO₄ heterojunction. Nanotechnology, 2019, 30, 475704.	1.3	20
34	Fabrication of a NiCo2O4/Zn0.1Cd0.9S p-n heterojunction photocatalyst with improved separation of charge carriers for highly efficient visible light photocatalytic H2 evolution. Journal of Alloys and Compounds, 2019, 809, 151855.	2.8	64
35	Visible light activation of superhydrophobic BiOBr/Ag loaded copper mesh for degradation and their use in oil/water separation. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 233-241.	2.7	19
36	Novel one-step combustion synthesis of BiOBr:Yb³⁺,Er³⁺/AgBr upconversion heterojunction photocatalysts with enhanced vis/NIR photocatalytic activities. Catalysis Science and Technology, 2019, 9, 2103-2110.	2.1	39

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37	Fabrication of MIL-88A/g-C3N4 direct Z-scheme heterojunction with enhanced visible-light photocatalytic activity. Separation and Purification Technology, 2019, 220, 16-24.	3.9	96
38	Fabrication of magnetically recoverable Ag/CuNb2O6/CuFe2O4 ternary heterojunction composite for highly efficient photocatalytic degradation of pollutants. Separation and Purification Technology, 2019, 220, 78-88.	3.9	55
39	A novel Ag2O/g-C3N4 p-n heterojunction photocatalysts with enhanced visible and near-infrared light activity. Separation and Purification Technology, 2019, 210, 786-797.	3.9	188
40	Snowflake-like Cu2S/Zn0.5Cd0.5S pâ€“n heterojunction photocatalyst for enhanced visible light photocatalytic H2 evolution activity. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 487-495.	2.7	64
41	A novel magnetically separable CoFe2O4/Cd0.9Zn0.1S photocatalyst with remarkably enhanced H2 evolution activity under visible light irradiation. Chemical Engineering Journal, 2019, 359, 485-495.	6.6	176
42	Edge/Defectâ€Rich, Metallic, and Oxygenâ€Heteroatomâ€Doped WS₂ Superstructure with Superior Electrocatalytic Performance for Green Solar Energy Conversion. ChemSusChem, 2019, 12, 795-800.	3.6	23
43	2D Schottky Junction between Graphene Oxide and Transitionâ€Metal Dichalcogenides: Photoresponsive Properties and Electrocatalytic Performance. Advanced Materials Interfaces, 2019, 6, 1801657.	1.9	13
44	Noble metal-free ternary MoS2/Zn0.5Cd0.5S/g-C3N4 heterojunction composite for highly efficient photocatalytic H2 production. Materials Research Bulletin, 2019, 110, 214-222.	2.7	91
45	A mesoporous SiO₂/TiO₂ composite used for various emulsions separation. Separation Science and Technology, 2019, 54, 962-969.	1.3	17
46	Facial synthesis of a novel Ag₄V₂O₇/gâ€C₃N₄ heterostructure with highly efficient photoactivity. Journal of the American Ceramic Society, 2019, 102, 3897-3907.	1.9	20
47	Oneâ€pot combustion synthesis and efficient broad spectrum photoactivity of Bi/Bi<scp>OB</scp>r:Yb,Er/C photocatalyst. Journal of the American Ceramic Society, 2018, 101, 3424-3436.	1.9	74
48	Synthesis of direct Z-scheme g-C3N4/Ag2VO2PO4 photocatalysts with enhanced visible light photocatalytic activity. Separation and Purification Technology, 2018, 195, 332-338.	3.9	59
49	Magnetically separable Fe3O4@C/BiOBr heterojunction for the enhanced visible light-driven photocatalytic performance. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	10
50	Band-Gap Tuning of Organicâ€“Inorganic Hybrid Palladium Perovskite Materials for a Near-Infrared Optoelectronics Response. ACS Omega, 2018, 3, 13960-13966.	1.6	29
51	Tuning Ni-Foam into NiOOH/FeOOH Heterostructures toward Superior Water Oxidation Catalyst via Three-Step Strategy. ACS Omega, 2018, 3, 11009-11017.	1.6	29
52	Earth-abundant and environment friendly organicâ€“inorganic hybrid tetrachloroferrate salt CH₃NH₃FeCl₄: structure, adsorption properties and photoelectric behavior. RSC Advances, 2018, 8, 19958-19963.	1.7	21
53	Highly efficient photocatalytic H2 evolution using the Ni2P-Zn0.5Cd0.5S photocatalyst under visible light irradiation. Journal of Alloys and Compounds, 2018, 769, 889-897.	2.8	73
54	Fabrication of superhydrophobic Cu-BiOBr surface for oil/water separation and water soluble pollutants degradation. Applied Surface Science, 2018, 462, 583-589.	3.1	41

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55	Fabrication and characterization of BiOBr:Yb3+,Er3+/g-C3N4 p-n junction photocatalysts with enhanced visible-NIR-light-driven photoactivities. Separation and Purification Technology, 2018, 206, 69-79.	3.9	68
56	A novel method for the synthesis of Ag3VO4/Ag2VO2PO4 heterojunction photocatalysts with improved visible-light photocatalytic properties. Separation and Purification Technology, 2018, 206, 149-157.	3.9	55
57	Influence of Initial Cu/(Zn+Sn) Concentration Ratio in Cuâ€“Znâ€“Snâ€“S Composites on Their Microstructures, Adsorption and Visible-Light-Sensitive Photocatalytic Activities. Science of Advanced Materials, 2018, 10, 1381-1388.	0.1	10
58	Synthesis of Ag 2 O/NaNbO 3 p-n junction photocatalysts with improved visible light photocatalytic activities. Separation and Purification Technology, 2017, 178, 130-137.	3.9	64
59	Facile one-step hydrothermal synthesis and luminescence properties of Eu3+-doped NaGd(WO4)2 nanophosphors. Materials Chemistry and Physics, 2017, 193, 227-233.	2.0	16
60	Enhanced photocatalytic degradation of Rhodamine B by reduced graphene oxides wrapped-Cu2SnS3 flower-like architectures. Journal of Alloys and Compounds, 2017, 704, 469-477.	2.8	43
61	One-pot molten salt synthesis of CdNb2O6/Cd2Nb2O7 heterojunction photocatalysts with enhanced photocatalytic properties. Separation and Purification Technology, 2017, 186, 282-289.	3.9	10
62	One-step fast electrochemical fabrication of water-dispersible graphene. Carbon, 2017, 111, 617-621.	5.4	38
63	One-pot combustion synthesis of BiVO4/BiOCl composites with enhanced visible-light photocatalytic properties. Separation and Purification Technology, 2017, 174, 97-103.	3.9	76
64	Combustion Synthesis and Enhancement of Bi<scp>OC</scp>l by Doping Eu³⁺ for Photodegradation of Organic Dye. Journal of the American Ceramic Society, 2016, 99, 881-887.	1.9	36
65	Surface decoration of BiOBr with BiPO4 nanoparticles to build heterostructure photocatalysts with enhanced visible-light photocatalytic activity. Separation and Purification Technology, 2016, 170, 183-189.	3.9	39
66	Freezing-mediated polymerization of Ag nanoparticle-embedded polyaniline belts with polyoxometalate as doping acid exhibiting UV-photosensitivity. RSC Advances, 2016, 6, 46475-46478.	1.7	3
67	A novel method for the synthesis of BiOCl/Bi₂Sn₂O₇heterojunction photocatalysts with enhanced visible light photocatalytic properties. Nanotechnology, 2016, 27, 385602.	1.3	16
68	Facile Synthesis of BiOBr/Bi₂Sn₂O₇ Heterojunction Photocatalysts with Improved Photocatalytic Activities. Journal of the American Ceramic Society, 2016, 99, 3973-3979.	1.9	22
69	Effect of Crystallite Size and Crystallinity on Photoluminescence Properties and Energy Transfer of Y₆MoO₁₂:Eu. Journal of the American Ceramic Society, 2016, 99, 954-961.	1.9	29
70	Combustion synthesis of Fe-doped BiOCl with high visible-light photocatalytic activities. Separation and Purification Technology, 2016, 162, 114-119.	3.9	75
71	Magnetic NiFe 2 O 4 /BiOBr composites: One-pot combustion synthesis and enhanced visible-light photocatalytic properties. Separation and Purification Technology, 2016, 158, 302-307.	3.9	56
72	Combustion synthesis of Bi/BiOCl composites with enhanced electronâ€“hole separation and excellent visible light photocatalytic properties. Separation and Purification Technology, 2015, 149, 288-294.	3.9	48

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73	Combustion Synthesis of BiOCl with Tunable Percentage of Exposed {001} Facets and Enhanced Photocatalytic Properties. Journal of the American Ceramic Society, 2015, 98, 1515-1519.	1.9	52
74	Combustion synthesis of Li8Bi2(MoO4)7 and its visible light photocatalytic properties. Materials Letters, 2015, 144, 150-152.	1.3	6
75	Facile hydrothermal synthesis of Bi/BiOBr composites with enhanced visible-light photocatalytic activities for the degradation of rhodamine B. Separation and Purification Technology, 2015, 154, 211-216.	3.9	64
76	BiOBr photocatalysts with tunable exposing proportion of {001} facets: Combustion synthesis, characterization, and high visible-light photocatalytic properties. Materials Letters, 2015, 140, 31-34.	1.3	51
77	Microwave-assisted combustion synthesis of Ag/ZnO nanocomposites and their photocatalytic activities under ultraviolet and visible-light irradiation. Materials Research Bulletin, 2015, 61, 321-325.	2.7	37
78	One-step combustion synthesis of NiFe₂O₄-reduced graphene oxide hybrid materials for photodegradation of methylene blue. Functional Materials Letters, 2014, 07, 1350065.	0.7	20
79	Combustion synthesis of Zn1â^'xCdxS and its photodegradation performance of methylene blue. Materials Letters, 2014, 117, 158-161.	1.3	28
80	Combustion synthesis of magnetic Ag/NiFe2O4 composites with enhanced visible-light photocatalytic properties. Separation and Purification Technology, 2014, 137, 82-85.	3.9	51
81	Thermal regeneration of recyclable reduced graphene oxide/Fe₃O₄composites with improved adsorption properties. Journal of Chemical Technology and Biotechnology, 2014, 89, 1859-1865.	1.6	28
82	Enhanced electromagnetic wave absorption performances of Co3O4 nanocube/reduced graphene oxide composite. Synthetic Metals, 2014, 194, 52-58.	2.1	95
83	Combustion synthesis and photocatalytic properties of magnetically separable Zn1â^'xCdxS/Î³-Fe2O3 composites. Materials Letters, 2014, 130, 94-96.	1.3	11
84	Combustion synthesis of CdS/reduced graphene oxide composites and their photocatalytic properties. Materials Research Bulletin, 2014, 57, 29-34.	2.7	26
85	Characterization of high concentration Ga-doped ZnO nano-powders prepared by solâ€"gel combustion. Materials Letters, 2013, 112, 129-132.	1.3	21
86	One-step combustion synthesis of CoFe2O4â€"graphene hybrid materialsfor photodegradation of methylene blue. Materials Letters, 2013, 113, 179-181.	1.3	37
87	Two-phase hydrothermal synthesis of TiO2â€"graphene hybrids with improved photocatalytic activity. Journal of Alloys and Compounds, 2013, 572, 199-204.	2.8	61
88	One-pot microwave-assisted combustion synthesis of graphene oxideâ€"TiO2 hybrids for photodegradation of methyl orange. Journal of Alloys and Compounds, 2013, 551, 382-388.	2.8	111
89	Combustion synthesis of graphene oxideâ€"TiO2 hybrid materials for photodegradation of methyl orange. Carbon, 2012, 50, 4093-4101.	5.4	218
90	Hydrothermal synthesis and luminescence properties of YW2O6(OH)3:Tb3+ green phosphors. Journal of Rare Earths, 2011, 29, 628-631.	2.5	4

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91	Combustion synthesis and luminescence properties of NaY1â^'xEux(WO4)2 phosphors. Journal of Luminescence, 2011, 131, 1692-1695.	1.5	29
92	Rapid synthesis of ZnO ellipsoidal nanostructures in large scale and their photoluminescence properties. Materials Letters, 2009, 63, 2290-2293.	1.3	10