

Fei Chang

List of Publications by Year in descending order

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61
papers

2,232
citations

236833

25
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223716

46
g-index

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all docs

62
docs citations

62
times ranked

2466
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthened photocatalytic removal of bisphenol a by robust 3D hierarchical n-p heterojunctions Bi ₄ O ₅ Br ₂ -MnO ₂ via boosting oxidative radicals generation. <i>Chemical Engineering Journal</i> , 2022, 428, 131223.	6.6	70
2	Enhanced photocatalytic NO removal with the superior selectivity for NO ₂ [•] /NO ₃ [•] species of Bi ₁₂ GeO ₂₀ -based composites via a ball-milling treatment: Synergetic effect of surface oxygen vacancies and n-p heterojunctions. <i>Composites Part B: Engineering</i> , 2022, 231, 109600.	5.9	42
3	Fabrication of Bi ₁₂ GeO ₂₀ /Bi ₂ S ₃ hybrids with surface oxygen vacancies by a facile CS ₂ -mediated manner and enhanced photocatalytic performance in water and saline water. <i>Separation and Purification Technology</i> , 2022, 287, 120532.	3.9	16
4	Strengthened photocatalytic removal of bisphenol A under visible light by magnetic ternary heterojunctions Bi ₄ O ₅ Br ₂ /Bi ₄ O ₅ I ₂ /Fe ₃ O ₄ . <i>Journal of Alloys and Compounds</i> , 2022, 908, 164644.	2.8	11
5	A novel and facile procedure to decorate Bi ₂ O ₃ with Bi ₂ S ₃ nanocrystals: Composites synthesis, analyses, and photocatalytic performance assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125640.	2.3	14
6	Synergistic effects of Ag-doped and morphology regulation of graphitic carbon nitride nanosheets for enhanced photocatalytic performance. <i>Journal of Molecular Liquids</i> , 2021, 324, 114772.	2.3	18
7	Enhanced photocatalytic conversion of NO _x with satisfactory selectivity of 3D-2D Bi ₄ O ₅ Br ₂ -GO hierarchical structures via a facile microwave-assisted preparation. <i>Separation and Purification Technology</i> , 2021, 266, 118237.	3.9	49
8	Self-sensitized photochlorination of benzo[a]pyrene in saline water under simulated solar light irradiation. <i>Journal of Hazardous Materials</i> , 2021, 408, 124445.	6.5	9
9	Ultra-stable Bi ₄ O ₅ Br ₂ /Bi ₂ S ₃ n-p heterojunctions induced simultaneous generation of radicals OH and O ₂ ^{•-} and NO conversion to nitrate/nitrite species with high selectivity under visible light. <i>Chemical Engineering Journal</i> , 2021, 413, 127443.	6.6	64
10	Plasmonic composites WO ₃ /Bi ₁₂ O ₁₇ Cl ₂ decorated with uniform Ag nanoparticles in tiny size: Synthesis, analyses, and visible-light photocatalytic performance. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100436.	1.7	1
11	Bi ₄ O ₅ Br ₂ -based binary composites: Facile fabrication, characterization, and enhanced photocatalytic performance over NO removal. <i>Materials Science in Semiconductor Processing</i> , 2021, 129, 105788.	1.9	5
12	Mechanical properties and microstructure of multilayer graphene oxide cement mortar. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 1058-1070.	1.2	11
13	Boosted photocatalytic NO removal performance by S-scheme hierarchical composites WO ₃ /Bi ₄ O ₅ Br ₂ prepared through a facile ball-milling protocol. <i>Separation and Purification Technology</i> , 2021, 278, 119662.	3.9	23
14	N-p heterojunction Bi ₄ O ₅ I ₂ /Fe ₃ O ₄ composites with efficiently magnetic recyclability and enhanced visible-light-driven photocatalytic performance. <i>Separation and Purification Technology</i> , 2020, 238, 116442.	3.9	57
15	In-situ constructing Bi ₂ S ₃ nanocrystals-modified Bi ₁₂ O ₁₇ Cl ₂ nanosheets with features of rich oxygen vacancies and reinforced photocatalytic performance. <i>Separation and Purification Technology</i> , 2020, 235, 116171.	3.9	60
16	Ag nanoparticles-embellished Bi ₁₂ GeO ₂₀ composites: A plasmonic system featured with reinforced visible-light photocatalytic performance and ultra-stability. <i>Applied Surface Science</i> , 2020, 527, 146946.	3.1	14
17	A facile one-pot and alkali-free synthetic procedure for binary SnO ₂ /g-C ₃ N ₄ composites with enhanced photocatalytic behavior. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105112.	1.9	18
18	Ag/AgCl nanoparticles decorated 2D-Bi ₁₂ O ₁₇ Cl ₂ plasmonic composites prepared without exotic chlorine ions with enhanced photocatalytic performance. <i>Molecular Catalysis</i> , 2019, 477, 110538.	1.0	12

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19	The reinforced photocatalytic performance of binary-phased composites Bi-Bi ₂ O ₇ Cl ₂ fabricated by a facile chemical reduction protocol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 290-298.	2.3	19
20	Oxygen-rich bismuth oxychloride Bi ₂ O ₇ Cl ₂ materials: construction, characterization, and sonocatalytic degradation performance. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 105-113.	3.8	52
21	Binary composites WO ₃ /g-C ₃ N ₄ in porous morphology: Facile construction, characterization, and reinforced visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 563, 11-21.	2.3	32
22	In situ construction, photocatalytic performance, and mechanism speculation of plasmonic binary Bi ₂ O ₇ -Bi ₂ O ₃ hybrids. <i>Materials Science in Semiconductor Processing</i> , 2018, 80, 1-8.	1.9	14
23	Heterojuncted non-metal binary composites silicon carbide/g-C ₃ N ₄ with enhanced photocatalytic performance. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 183-192.	1.9	72
24	A visible-light-driven heterojuncted composite WO ₃ /Bi ₂ O ₇ Cl ₂ : Synthesis, characterization, and improved photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 20-31.	5.0	120
25	Facile fabrication of mesoporous Fe-Ti-SBA15 silica with enhanced visible-light-driven simultaneous photocatalytic degradation and reduction reactions. <i>Applied Surface Science</i> , 2018, 435, 708-717.	3.1	18
26	Synthesis and Photocatalytic Performance of Bi ₂ O ₇ Cl ₂ Semiconductors Calcined at Different Temperatures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 721-730.	1.9	26
27	In-situ establishment of binary composites Fe ₂ O ₃ /Bi ₂ O ₇ Cl ₂ with both photocatalytic and photo-Fenton features. <i>Chemosphere</i> , 2018, 210, 257-266.	4.2	55
28	The construction and enhanced photocatalytic performance of binary composite S/g-C ₃ N ₄ . <i>Materials Science in Semiconductor Processing</i> , 2018, 87, 1-6.	1.9	17
29	Ag/Bi ₂ O ₇ Cl ₂ composite: A case study of visible-light-driven plasmonic photocatalyst. <i>Molecular Catalysis</i> , 2017, 427, 45-53.	1.0	35
30	Enhanced visible-light-driven photocatalytic performance of mesoporous W-Ti-SBA-15 prepared through a facile hydrothermal route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 499, 69-78.	2.3	15
31	Numerical Simulation of the Arrangement of Baffles on Radiation Distribution and Disinfection in UV Reactors. <i>Chemical Engineering and Technology</i> , 2016, 39, 108-114.	0.9	8
32	Synthesis, characterization, and visible-light-driven photocatalytic performance of W-SBA15. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 284-291.	5.0	15
33	Fabrication, characterization, and visible-light photocatalytic performance of ternary plasmonic composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 329-338.	2.3	1
34	Aniline chlorination by in situ formed Ag-Cl complexes under simulated solar light irradiation. <i>Water Science and Technology</i> , 2015, 71, 1679-1685.	1.2	2
35	Photolysis Kinetics, Mechanisms, and Pathways of Tetrabromobisphenol A in Water under Simulated Solar Light Irradiation. <i>Environmental Science & Technology</i> , 2015, 49, 6683-6690.	4.6	73
36	Poly(vinyl pyrrolidone)-assisted hydrothermal synthesis and enhanced visible-light photocatalytic performance of oxygen-rich bismuth oxychlorides. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 136-145.	5.0	33

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37	Template-Free Synthesis and Enhanced Photocatalytic Performance of Uniform BiOCl Flower-Like Microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1421-1426.	0.9	3
38	Enhanced visible-light-driven photocatalytic performance of porous graphitic carbon nitride. <i>Applied Surface Science</i> , 2015, 358, 270-277.	3.1	50
39	Simultaneous photocatalytic Cr(VI) reduction and 2,4,6-TCP oxidation over g-C ₃ N ₄ under visible light irradiation. <i>Catalysis Today</i> , 2014, 224, 34-40.	2.2	127
40	One-Pot Polyvinyl Alcohol-Assisted Hydrothermal Synthesis of Hierarchical Flower-Like BiOCl Nanoplates with Enhancement of Photocatalytic Activity for Degradation of Rhodamine B. <i>Clean - Soil, Air, Water</i> , 2014, 42, 521-527.	0.7	18
41	Enhanced photocatalytic performance of g-C ₃ N ₄ nanosheets/BiOBr hybrids. <i>Superlattices and Microstructures</i> , 2014, 76, 90-104.	1.4	49
42	Construction of exfoliated g-C ₃ N ₄ nanosheets/BiOCl hybrids with enhanced photocatalytic performance. <i>RSC Advances</i> , 2014, 4, 28519.	1.7	75
43	Fabrication, characterization, and photocatalytic performance of exfoliated g-C ₃ N ₄ /TiO ₂ hybrids. <i>Applied Surface Science</i> , 2014, 311, 574-581.	3.1	179
44	Synthesis of TiO ₂ nanoparticles on mesoporous aluminosilicate Al-SBA-15 in supercritical CO ₂ for photocatalytic decolorization of methylene blue. <i>Ceramics International</i> , 2013, 39, 3823-3829.	2.3	21
45	Photocatalytic degradation of 2,4,6-trichlorophenol over g-C ₃ N ₄ under visible light irradiation. <i>Chemical Engineering Journal</i> , 2013, 218, 183-190.	6.6	265
46	A facile modification of g-C ₃ N ₄ with enhanced photocatalytic activity for degradation of methylene blue. <i>Applied Surface Science</i> , 2013, 280, 967-974.	3.1	167
47	Synthesis of Ergosterol and 5,6-Dihydroergosterol Glycosides and Their Inhibitory Activities on Lipopolysaccharide-Induced Nitric Oxide Production. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1339-1344.	1.0	7
48	Studies on the adsorption of sulfo-group-containing aromatics by chitosan- β -cyclodextrin. <i>Water Science and Technology</i> , 2012, 65, 802-807.	1.2	1
49	Solubilities and partial molar volumes of 1-methylpropanedioate derivatives in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 2012, 334, 43-50.	1.4	6
50	Solubilities and partial molar volumes of N,N'-dibutyl-oxalamide, N,N'-dihexyl-oxalamide, N,N'-dioctyl-oxalamide in supercritical carbon dioxide. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 339-345.	1.0	8
51	One-Pot Construction of Titania- γ -AlOOH Nanocomposites Employed for Photocatalytic Degradation. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2073-2081.	1.1	7
52	The effect of the end group, molecular weight and size on the solubility of compounds in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , 2012, 317, 36-42.	1.4	19
53	Preparation of TiO ₂ -diatomite composites by ball-milling and its photocatalytic degradation of methyl orange. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 121-127.	1.0	2
54	Photodegradation of Bisphenol A by Titania Nanoparticles in Mesoporous MCM-41. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 491-498.	1.1	18

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55	Pd-catalyzed Dehalogenation of Aromatic Halides Under Solvent-free Conditions Using Hydrogen Balloon. Bulletin of the Korean Chemical Society, 2011, 32, 1074-1076.	1.0	12
56	Highly efficient solvent-free catalytic hydrogenation of solid alkenes and nitro-aromatics using Pd nanoparticles entrapped in aluminum oxy-hydroxide. Tetrahedron Letters, 2010, 51, 4250-4252.	0.7	32
57	Photocatalytic Degradation of Azo Dye Active Brilliant Red X-3B by Composite Materials of TiO ₂ and 13X Molecular Sieves. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
58	Solubility of Novel CO ₂ -Soluble Pyridine Derivatives in Supercritical Carbon Dioxide. Journal of Chemical & Engineering Data, 2009, 54, 1262-1265.	1.0	6
59	Novel CO ₂ -soluble pyridine derivatives and the extraction of heavy metals into Sc-CO ₂ . Journal of Supercritical Fluids, 2008, 45, 43-50.	1.6	31
60	Mesoporous Silica-Supported Pd Nanoparticles; Highly Selective Catalyst for Hydrogenation of Olefins in Supercritical Carbon Dioxide. Chemistry of Materials, 2006, 18, 5631-5633.	3.2	27
61	Photocatalytic NO removal by WO ₃ samples prepared via a ball milling treatment under different parameters. Inorganic and Nano-Metal Chemistry, 0, , 1-13.	0.9	0