Lei Bai

List of Publications by Year
in descending order

45 papers	924 citations	471509 17 h-index	454955 30 g-index
45 all docs	45 docs citations	45 times ranked	1214 citing authors

#	Article	IF	Citations
1	Facile synthesis of porous PtRu colloid for enhanced methanol and ethanol electrooxidation. Journal of Sol-Gel Science and Technology, 2022, 103, 118-124.	2.4	1
2	Engineering a Novel AgMn2O4@Na0.55Mn2O4 Nanosheet toward High-Performance Electrochemical Capacitors. Nanomaterials, 2022, 12, 1538.	4.1	3
3	Transformation of Co(OH)2/ZnO to Co3O4â€“ZnO/Nâ€“C composite via MOFs for enhanced Bisphenol A degradation. Journal of Sol-Gel Science and Technology, 2022, 103, 258-266.	2.4	2
4	Nest-like Co3O4 and PdO /Co3O4 synthesized via metal organic framework with cyclodextrin for catalytic removal of Bisphenol A by persulfate. Separation and Purification Technology, 2021, 255, 117718.	7.9	8
5	In situ synthesis of CdS/ZnS composite nanoparticles from ZIF-8 for visible light disposal of Cr(VI). Journal of Sol-Gel Science and Technology, 2021, 99, 211-219.	2.4	4
6	Co/ZnO/N-C composites obtained by ZIF derived from Co-Zn oxides as highly efficient catalyst for reduction of p-nitrophenol. Journal of Sol-Gel Science and Technology, 2021, 99, 101-108.	2.4	1
7	Effort of ionic radius on doped style of silver and copper/zinc oxide nanorods for photodegradation of methylene blue. Environmental Technology (United Kingdom), 2021, , 1-9.	2.2	0
8	ZnOâ€“Co₃O₄/Nâ€“C Cage Derived from the Hollow Zn/Co ZIF for Enhanced Degradation of Bisphenol A with Persulfate. Inorganic Chemistry, 2021, 60, 13041-13050.	4.0	9
9	Tunable synthesis of cage-like Co3O4/Nâ€“C composite and nest-like Co3O4 for oxidative degradation of Bisphenol A. Journal of Solid State Chemistry, 2021, 304, 122550.	2.9	4
10	Green synthesis of Ag/ZnO microplates by doping Ag ions on basic zinc carbonate for fast photocatalytic degradation of dyes. Environmental Technology (United Kingdom), 2020, 41, 3584-3590.	2.2	3
11	Solvent polarity resulted in different structures and photocatalytic abilities of Ag/ZnO composites. Journal of Sol-Gel Science and Technology, 2020, 93, 695-702.	2.4	6
12	Wet chemical synthesis of CdS/ZnO nanoparticle/nanorod hetero-structure for enhanced visible light disposal of Cr(VI) and methylene blue. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 607, 125489.	4.7	16
13	Cubic-like PtCuRu Nanocrystals with High Activity and Stability for Methanol Electro-oxidation. Langmuir, 2020, 36, 7602-7608.	3.5	13
14	Oxidative degradation of Rhodamine B by Ag@CuO nanocomposite activated persulfate. Synthetic Metals, 2020, 267, 116479.	3.9	20
15	Low amount of Au nanoparticles deposited ZnO nanorods heterojunction photocatalysts for efficient degradation of p-nitrophenol. Journal of Sol-Gel Science and Technology, 2020, 94, 468-476.	2.4	12
16	Comparison of the structure and methanol electrooxidation ability from irregular PtNi nanocrystals to PtNiRu nanodendrites. CrystEngComm, 2020, 22, 1442-1447.	2.6	8
17	One-pot synthesis of Ag nanoparticles/ZnO nanorods heterostructures for organic dyes decoloring. Journal of the Taiwan Institute of Chemical Engineers, 2019, 103, 118-125.	5.3	15
18	Cyclodextrin-Assisted Synthesis of Pd/Co/C Nanopolyhedra by ZIF-67 as a Highly Acid Tolerant Catalyst for Hexavalent Chromium Reduction. Inorganic Chemistry, 2019, 58, 8884-8889.	4.0	24

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19	Synthesis of C3N4-decorated ZnO and Ag/ZnO nanoparticles via calcination of ZIF-8 and melamine for photocatalytic removal of methyl orange. Chemical Papers, 2019, 73, 883-889.	2.2	8
20	From atacamite to Cu(II)â€1,4â€benzenedicarboxylate for enhanced adsorption of methyl blue. Micro and Nano Letters, 2019, 14, 556-559.	1.3	0
21	Design of Ag-decorated ZnO concave nanocubes using ZIF-8 with dual functional catalytic ability for decoloring dyes. CrystEngComm, 2018, 20, 2980-2988.	2.6	20
22	Rapid and facile CuCl assistant synthesis of PtCu3 nanoframes as efficient catalysts for electroxidation of methanol. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	8
23	Enhanced photodegradation ability of solvothermally synthesized metallic copper coated ZnO microrods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 548, 19-26.	4.7	18
24	Synthesis of PtRu/Ru heterostructure for efficient methanol electrooxidation: The role of extra Ru. Applied Surface Science, 2018, 433, 279-284.	6.1	28
25	Electrochemical determination of dopamine and uric acid using a glassy carbon electrode modified with a composite consisting of a Co(II)-based metalorganic framework (ZIF-67) and graphene oxide. Mikrochimica Acta, 2018, 185, 486.	5.0	77
26	Synthesis of Câ€“Nâ€“S co-doped TiO₂ mischcrystal with an isobandgap characteristic and its photocatalytic activity under visible light. Catalysis Science and Technology, 2018, 8, 4108-4121.	4.1	22
27	Remarkable enhancement of photocatalytic performance via constructing a novel Z-scheme KNbO 3 /Bi 2 O 3 hybrid material. Materials Research Bulletin, 2017, 94, 352-360.	5.2	35
28	Cyclodextrin-cobalt (II) molecule-ion pairs as precursors to active Co3O4/ZrO2 catalysts for the complete oxidation of formaldehyde: Influence of the cobalt source. Journal of Catalysis, 2016, 341, 191-204.	6.2	46
29	The surfactant-free synthesis of hollow CuS nanospheres via clean Cu₂O templates and their catalytic oxidation of dye molecules with H₂O₂. RSC Advances, 2016, 6, 83885-83889.	3.6	10
30	Flower-like RuCu nanodendrites as catalysts for hydrogenation of p-nitrophenol with Î²-cyclodextrin as promoters. Dalton Transactions, 2016, 45, 4712-4715.	3.3	7
31	Facile synthesis of litchi shaped cuprous oxide and its application in the aerobic oxidative synthesis of imines. RSC Advances, 2015, 5, 10341-10345.	3.6	10
32	Effects of Î²-cyclodextrin introduction to zirconia supported-cobalt oxide catalysts: From molecule-ion associations to complete oxidation of formaldehyde. Applied Catalysis B: Environmental, 2013, 138-139, 381-390.	20.2	82
33	Hydroxypropyl-Î²-cyclodextrin as a versatile additive for the formation of metastable tetragonal zirconia exhibiting high thermal stability. CrystEngComm, 2013, 15, 2076-2083.	2.6	20
34	Cyclodextrins as growth controlling agents for enhancing the catalytic activity of PVP-stabilized Ru(0) nanoparticles. Chemical Communications, 2012, 48, 3451.	4.1	35
35	Molecule-Ion Interaction and Its Effect on Electrostatic Interaction in the System of Copper Chloride and Î²-Cyclodextrin. Inorganic Chemistry, 2011, 50, 1682-1688.	4.0	39
36	Application of Molecule-Ion Interactions Between Cyclodextrins and Ions in Inorganic Nanochemistry. Current Organic Chemistry, 2011, 15, 862-868.	1.6	3

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37	Functional significance of moleculeâ€“ion interactions between a series of inorganic salts and Î²-cyclodextrin. Supramolecular Chemistry, 2011, 23, 447-454.	1.2	13
38	Thermal degradation comparison of polypropylene glycol and its complex with Î²-cyclodextrin. Polymer Degradation and Stability, 2010, 95, 508-515.	5.8	17
39	Spectral Differences of the Molecule-ion Adducts of Î²-Cyclodextrin and Lithium Carbonate. Chinese Journal of Chemical Physics, 2010, 23, 117-124.	1.3	3
40	Inclusion complexation, encapsulation interaction and inclusion number in cyclodextrin chemistry. Coordination Chemistry Reviews, 2009, 253, 1276-1284.	18.8	157
41	Striking Structural Transformation from Cyclic Oligosaccharide to Aromatic Series by Means of the Effect of Lithium Carbonate Based on Gas Chromatography Coupled to Time-of-Flight Mass Spectrometry. Journal of Physical Chemistry B, 2009, 113, 9035-9040.	2.6	26
42	Old Drugs, New Tricks: The Effect of Moleculeâ^'Ion Interactions on the Precipitationâ^'Dissolution Equilibrium of Lithium Carbonate in Aqueous Solution and on the Chiral Recognition of Cyclodextrins to <scp>d</scp>-,<scp>l</scp>-Tryptophan. Journal of Physical Chemistry B, 2009, 113, 11724-11731.	2.6	24
43	Theoretical and Experimental Studies of the Inclusion Phenomena ofÎ²-Cyclodextrin with Organic Amines. Chinese Journal of Chemistry, 2008, 26, 1702-1708.	4.9	10
44	A Comparative Study on the Binding Behaviors of Î²-Cyclodextrin and Its Two Derivatives to Four Fanlike Organic Guests. Journal of Organic Chemistry, 2008, 73, 8305-8316.	3.2	48
45	Preparation and Spectroscopic Study of Different Stoichiometric Solid Supramolecular Inclusion Complexes of -Cyclodextrin with Short Chain Aliphatic Amines. Chinese Journal of Chemical Physics, 2008, 21, 174-180.	1.3	9