

Jing Zhang

List of Publications by Citations

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53
papers

1,895
citations

22
h-index

43
g-index

58
ext. papers

2,310
ext. citations

8.1
avg, IF

4.96
L-index

#	Paper	IF	Citations
53	Progress of nanocrystalline growth kinetics based on oriented attachment. <i>Nanoscale</i> , 2010 , 2, 18-34	7.7	434
52	Removal of Antibiotic Florfenicol by Sulfide-Modified Nanoscale Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2017 , 51, 11269-11277	10.3	163
51	A multistep oriented attachment kinetics: coarsening of ZnS nanoparticle in concentrated NaOH. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12981-7	16.4	150
50	Environmentally persistent free radicals mediated removal of Cr(VI) from highly saline water by corn straw biochars. <i>Bioresource Technology</i> , 2018 , 260, 294-301	11	91
49	Adsorption and coadsorption mechanisms of Cr(VI) and organic contaminants on HPO treated biochar. <i>Chemosphere</i> , 2017 , 186, 422-429	8.4	88
48	Redox Reactions between Mn(II) and Hexagonal Birnessite Change Its Layer Symmetry. <i>Environmental Science & Technology</i> , 2016 , 50, 1750-8	10.3	78
47	Treatment of Cr(VI)-containing Mg(OH) ₂ nanowaste. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5619-22	16.4	67
46	Oriented attachment kinetics for ligand capped nanocrystals: coarsening of thiol-PbS nanoparticles. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1449-54	3.4	65
45	Heavy metal chemical extraction from industrial and municipal mixed sludge by ultrasound-assisted citric acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 368-372	6.3	60
44	Pure multistep oriented attachment growth kinetics of surfactant-free SnO ₂ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8516-21	3.6	50
43	Rapid removal of organic pollutants by activation sulfite with ferrate. <i>Chemosphere</i> , 2017 , 186, 576-579	8.4	42
42	Growth and Phase-Transformation Mechanisms of Nanocrystalline CdS in Na ₂ S Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9229-9233	3.8	35
41	Evolution of ZnS Nanostructure Morphology under Interfacial Free-Energy Control. <i>Chemistry of Materials</i> , 2008 , 20, 2438-2443	9.6	32
40	Simultaneous photocatalytic redox removal of chromium(VI) and arsenic(III) by hydrothermal carbon-sphere@nano-Fe ₃ O ₄ . <i>Environmental Science: Nano</i> , 2019 , 6, 937-947	7.1	31
39	NaOH concentration effect on the oriented attachment growth kinetics of ZnS. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5290-4	3.4	29
38	Smectic phase in suspensions of gapped DNA duplexes. <i>Nature Communications</i> , 2016 , 7, 13358	17.4	28
37	Simultaneous redox conversion and sequestration of chromate(VI) and arsenite(III) by iron(III)-alginate based photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118046	21.8	28

36	Visible-light photocatalysis accelerates As(III) release and oxidation from arsenic-containing sludge. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 1-9	21.8	27
35	Emerging investigator series: treatment and recycling of heavy metals from nanosludge. <i>Environmental Science: Nano</i> , 2019 , 6, 1657-1673	7.1	26
34	Microscopic mechanism about the selective adsorption of Cr(VI) from salt solution on O-rich and N-rich biochars. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124162	12.8	26
33	The Effects of Particle Concentration and Surface Charge on the Oriented Attachment Growth Kinetics of CdTe Nanocrystals in H ₂ O. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10357-10364	3.8	25
32	Structure and dynamics of water in nonionic reverse micelles: a combined time-resolved infrared and small angle x-ray scattering study. <i>Journal of Chemical Physics</i> , 2012 , 137, 044503	3.9	25
31	Adsorption Mechanisms of Dodecylbenzene Sulfonic Acid by Corn Straw and Poplar Leaf Biochars. <i>Materials</i> , 2017 , 10,	3.5	18
30	Experimental determination of resolution function parameters from small-angle neutron scattering data of a colloidal SiO ₂ dispersion. <i>Journal of Applied Crystallography</i> , 2010 , 43, 686-692	3.8	18
29	Enhanced removal of antimony by acid birnessite with doped iron ions: Companioned by the structural transformation. <i>Chemosphere</i> , 2019 , 226, 834-840	8.4	17
28	Direct visualization of conformation and dense packing of DNA-based soft colloids. <i>Physical Review Letters</i> , 2014 , 113, 268303	7.4	17
27	Modified Local Soil (MLS) Technology for Harmful Algal Bloom Control, Sediment Remediation, and Ecological Restoration. <i>Water (Switzerland)</i> , 2019 , 11, 1123	3	16
26	Synthesis and self-assembly of squarelike PbCrO ₄ nanoplatelets via micelle-mediated depletion attraction. <i>Langmuir</i> , 2013 , 29, 4679-87	4	16
25	Formation and Self-Assembly of Cadmium Hydroxide Nanoplates in Molten Composite-Hydroxide Solution. <i>Crystal Growth and Design</i> , 2010 , 10, 4285-4291	3.5	16
24	Relationship between the coprecipitation mechanism, doping structure and physical properties of Zn(1-x)Co(x)S nanocrystallites. <i>Nanotechnology</i> , 2007 , 18, 035705	3.4	15
23	Removal of organic dye by biomass-based iron carbide composite with an improved stability and efficiency. <i>Journal of Hazardous Materials</i> , 2019 , 369, 621-631	12.8	14
22	Optimization and calculation of the LaBr ₃ MBr (M=Na, K, Rb, Cs) phase diagrams. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2004 , 28, 147-151	1.9	14
21	Simultaneous oxidation of Cr(III) and extraction of Cr(VI) from chromite ore processing residue by silicate-assisted hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2019 , 371, 565-574	14.7	13
20	The Mass Production of ZnS Nanoarchitecture via Thermodynamic Design. <i>Crystal Growth and Design</i> , 2008 , 8, 2324-2328	3.5	12
19	Thermodynamic optimization of the CeCl ₃ AECl ₂ (AE=Mg,Ca,Sr,Ba) phase diagrams. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2003 , 27, 305-308	1.9	11

18	Enhanced degradation performance of p-chlorophenol in photo-Fenton reaction activated by nano-FeO encapsulated in hydrothermal carbon: Improved Fe(III)/Fe(II) cycle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 594, 124650	5.1	10
17	Treatment of CrVI-Containing Mg(OH) ₂ Nanowaste. <i>Angewandte Chemie</i> , 2008 , 120, 5701-5704	3.6	10
16	Hydrothermal treatment of arsenic sulfide slag to immobilize arsenic into scorodite and recycle sulfur. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124735	12.8	10
15	Electrocatalytic oxidation of arsenite by reduced graphene oxide via in-situ electrocatalytic generation of HO. <i>Environmental Pollution</i> , 2019 , 254, 112958	9.3	9
14	Electrocatalytic reduction of Cr(VI) over heterophase MoS ₂ film electrode. <i>Chemical Engineering Journal</i> , 2021 , 404, 126556	14.7	9
13	Synthesis of BiWO ₄ /Na-bentonite composites for photocatalytic oxidation of arsenic(iii) under simulated sunlight.. <i>RSC Advances</i> , 2019 , 9, 29689-29698	3.7	8
12	Cellulose Mediated Reduction and Immobilization of Cr(VI) in Chromite Ore Processing Residue. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122538	12.8	5
11	Self-assembly of biaxial discorctangular lead carbonate nanosheets into stacked ribbons studied by SAXS and HAADF-STEM tomographic tilt series. <i>Soft Matter</i> , 2014 , 10, 9511-22	3.6	5
10	Effective photocatalytic removal of As(III) by ZnFe ₂ O ₄ /Ag/AgCl coupled peroxymonosulfate: Z-Scheme charge transfer and dual active sites. <i>Applied Surface Science</i> , 2021 , 567, 150860	6.7	5
9	DNA Self-Assembly Mediated by Programmable Soft-Patchy Interactions. <i>ACS Nano</i> , 2020 , 14, 13524-13535	13.7	4
8	Thermodynamic optimization of DyCl ₃ -NaCl system. <i>Journal of Shanghai University</i> , 2005 , 9, 279-282		3
7	Chemical and spectroscopic characteristics of humic acid from a clay loam soil in Ontario after 52 years of consistent fertilization and crop rotation. <i>Pedosphere</i> , 2021 , 31, 204-213	5	3
6	Sorption behavior of dodecylbenzene sulfonic acid on humic acids from Mollisol and Alluvial soils. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	2
5	A novel layer-layer crossed structure of bentonite/g-C ₃ N ₄ for enhanced photocatalytic oxidation of arsenic(III) in a wide pH range. <i>Surfaces and Interfaces</i> , 2021 , 26, 101365	4.1	2
4	Controllable synthesis and self-assembly of PbCO ₃ nanorods in shape-dependent nonionic w/o microemulsions. <i>Soft Matter</i> , 2013 , 9, 7576	3.6	1
3	PH-dependent photochemical transformation of arsenic sulfide sludge catalyzed by Fe ions under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120186	21.8	1
2	Hierarchical Core-Shell Co N/CoP Embedded in N, P-doped Carbon Nanotubes as Efficient Oxygen Reduction Reaction Catalysts for Zn-air Batteries.. <i>Small</i> , 2022 , e2108094	11	1
1	Visible-light activation of sulfite by ZnFe ₂ O ₄ @PANI photocatalyst for As(III) removal: The role of radicals and Fe(IV). <i>Applied Surface Science</i> , 2022 , 578, 151940	6.7	0

