

Kai Huang

List of Publications by Year in descending order

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35
papers

686
citations

623734

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38
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937
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step synthesis of garlic peel derived biochar by concentrated sulfuric acid: Enhanced adsorption capacities for Enrofloxacin and interfacial interaction mechanisms. <i>Chemosphere</i> , 2022, 290, 133263.	8.2	20
2	Selective recovery of gold from dilute aqua regia leachate of waste printed circuit board by thiol-modified garlic peel. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55990-56003.	5.3	2
3	Biosorption of tungstate onto garlic peel loaded with Fe(III), Ce(III), and Ti(IV). <i>Environmental Science and Pollution Research</i> , 2020, 27, 33692-33702.	5.3	14
4	Segmented tubular synthesis of monodispersed micro-sized copper oxalate. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 460-466.	4.9	1
5	Synthesis of uniform hexagonal Ag nanoprisms with controlled thickness and tunable surface plasmon bands. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 796-802.	4.9	3
6	Grape pomace as a biosorbent for fluoride removal from groundwater. <i>RSC Advances</i> , 2019, 9, 7767-7776.	3.6	32
7	Facile synthesis of flake-like dihydrate zinc oxalate particles. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 234-240.	4.9	5
8	Defluoridation in fixed bed column filled with Zr(IV)-loaded garlic peel. <i>Microchemical Journal</i> , 2019, 145, 476-485.	4.5	17
9	Efficient removal of cadmium from soil-washing effluents by garlic peel biosorbent. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19001-19011.	5.3	9
10	Efficient Removal of Lead from Washing Effluent of Lead-contaminated Soil with Garlic Peel. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 1020-1027.	2.6	7
11	Facile synthesis of monodispersed copper oxalate flaky particles in the presence of EDTA. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 762-769.	4.9	1
12	Removal of cadmium from a citrate-bearing solution by floatable micro-sized garlic peel. <i>RSC Advances</i> , 2018, 8, 28284-28292.	3.6	19
13	Selective recovery of phosphorus from acid leach liquor of iron ore by garlic peel adsorbent. <i>RSC Advances</i> , 2018, 8, 22276-22285.	3.6	12
14	Experimental and first-principles study of Ti-C-O system: Interplay of thermodynamic and structural properties. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2253-2265.	3.8	17
15	Modification of garlic peel by nitric acid and its application as a novel adsorbent for solid-phase extraction of quinolone antibiotics. <i>Chemical Engineering Journal</i> , 2017, 326, 745-755.	12.7	46
16	Recovery of Lithium, Nickel, and Cobalt from Spent Lithium-Ion Battery Powders by Selective Ammonia Leaching and an Adsorption Separation System. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11489-11495.	6.7	118
17	Characterization of the interior structure of synthetic diamond particles. <i>Journal of Crystal Growth</i> , 2016, 451, 165-169.	1.5	3
18	Structural and Thermodynamic Properties of $Ti_xN_yO_z$ Solid Solution: Experimental Study and First-Principles Approaches. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4721-4731.	2.2	12

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19	Precipitation of flaky moolooite and its thermal decomposition. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 976-980.	4.9	4
20	Structural and Thermodynamics Properties of $\text{TiC}_{1-x}\text{N}_x$ Solid Solutions: X-ray Diffraction and First-Principles Approaches. Journal of the American Ceramic Society, 2014, 97, 1288-1295.	9.8	18
21	Removal of heavy metal ions from aqueous solution by chemically modified mangosteen pericarp. Desalination and Water Treatment, 2014, 52, 7108-7116.	1.0	21
22	Selective removal of Cr(VI) from aqueous solution by adsorption on mangosteen peel. Environmental Science and Pollution Research, 2013, 20, 5930-5938.	5.3	19
23	Removal of Pb^{2+} from aqueous solution by adsorption on chemically modified muskmelon peel. Environmental Science and Pollution Research, 2013, 20, 4424-4434.	5.3	54
24	Pivot roles of noble metal in single-phase TaXzON ($0 < z \leq 0.001$) and heterostructured $\text{X}^{\prime}/\text{TaXz}^{\prime}\text{ON}$ ($X = \text{Tj, ET, Q, O, O, rg, BT}$) /Overlayer transfer for hydrogen production. Journal of Materials Chemistry A, 2013, 1, 5394.	10.3	5
25	Hierarchical metastable TaON hollow structures for efficient visible-light water splitting. Energy and Environmental Science, 2013, 6, 2134.	30.8	104
26	Removal of cadmium from aqueous solution by garlic peel. , 2013, , .		0
27	Fast removal of dyes from wastewater by combinatorial treatment by biosorption and visible light photodegradation. , 2013, , .		0
28	In situ chemical reduction of the Ta_3N_5 quantum dots coupled TaON hollow spheres heterojunction photocatalyst for water oxidation. Journal of Materials Chemistry, 2012, 22, 21972.	6.7	65
29	Preparation of niobium nanoparticles by sodiothermic reduction of Nb_2O_5 in molten salts. Rare Metals, 2012, 31, 621-626.	7.1	9
30	Removal of fluoride from aqueous solution onto Zr-loaded garlic peel (Zr-GP) particles. Journal of Central South University, 2011, 18, 1448-1453.	3.0	18
31	Biosorption of Pb(II) from aqueous solution using modified wheat straw. , 2011, , .		1
32	Preparation of titanium oxycarbide from various titanium raw materials: Part I. Carbothermal reduction. Rare Metals, 2010, 29, 547-551.	7.1	26
33	Garlic Peel as Adsorbent for the Removal of Methylene Blue from Aqueous Solution. Applied Mechanics and Materials, 0, 694, 367-371.	0.2	3
34	Removal of Mn(II) from Aqueous Solution Using Saponified Garlic Peel. Applied Mechanics and Materials, 0, 694, 382-386.	0.2	2
35	Synthesis of Nano-Sized Tantalum Nitrides with Various Morphology. , 0, , 37-41.		1