

Wenhua Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

729
citations

623734

14
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step seeding growth of controllable Ag@Ni core-shell nanoparticles on skin collagen fiber with introduction of plant tannin and their application in high-performance microwave absorption. <i>Journal of Materials Chemistry</i> , 2012, 22, 11933.	6.7	134
2	One-step room-temperature synthesis of Au@Pd core-shell nanoparticles with tunable structure using plant tannin as reductant and stabilizer. <i>Green Chemistry</i> , 2011, 13, 950.	9.0	109
3	Effect of soil pH on the transport, fractionation, and oxidation of chromium(III). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110459.	6.0	79
4	Mobility and recalcitrance of organochromium(III) complexes. <i>Chemosphere</i> , 2008, 70, 2054-2059.	8.2	66
5	Highly efficient removal of Cr(III)-poly(acrylic acid) complex by coprecipitation with polyvalent metal ions: Performance, mechanism, and validation. <i>Water Research</i> , 2020, 178, 115807.	11.3	51
6	Nonswelling Silica-Poly(acrylic acid) Composite for Efficient and Simultaneous Removal of Cationic Dye, Heavy Metal, and Surfactant-Stabilized Emulsion from Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3383-3393.	3.7	33
7	Life Cycle Assessment for Chrome Tanning, Chrome-Free Metal Tanning, and Metal-Free Tanning Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6720-6731.	6.7	30
8	Oxidation of trivalent chromium induced by unsaturated oils: A pathway for hexavalent chromium formation in soil. <i>Journal of Hazardous Materials</i> , 2021, 405, 124699.	12.4	28
9	Multiplexed nanomaterial-assisted laser desorption/ionization for pan-cancer diagnosis and classification. <i>Nature Communications</i> , 2022, 13, 617.	12.8	27
10	Insights into the mechanism of flavor compound changes in strong flavor baijiu during storage by using the density functional theory and molecular dynamics simulation. <i>Food Chemistry</i> , 2022, 373, 131522.	8.2	21
11	Ecotoxicity and micellization behavior of anionic surfactant sodium dodecylbenzene sulfonate (SDBS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethylene ether (AEO). <i>Aquatic Toxicology</i> , 2019, 216, 105313.	4.0	20
12	Corrosion inhibition performance of tannins for mild steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2018, 44, 407-423.	2.7	19
13	Systematic screening identifies a gene signature as a high-potential prognostic marker of undifferentiated pleomorphic sarcoma/myxofibrosarcoma. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1010-1021.	3.6	19
14	Ecotoxicity and interacting mechanism of anionic surfactant sodium dodecyl sulfate (SDS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethylene ether (AEO). <i>Aquatic Toxicology</i> , 2020, 222, 105467.	4.0	19
15	Reductive immobilization of Cr(VI) in contaminated water by tannic acid. <i>Chemosphere</i> , 2022, 297, 134081.	8.2	18
16	NT5DC2 promotes leiomyosarcoma tumour cell growth via stabilizing unpalmitoylated TEAD4 and generating a positive feedback loop. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5976-5987.	3.6	15
17	Organic ligands unexpectedly increase the toxicity of chromium(III) for luminescent bacteria. <i>Environmental Chemistry Letters</i> , 2019, 17, 1849-1855.	16.2	13
18	Effects of tannic acid on the transport behavior of trivalent chromium in soils and its mechanism. <i>Environmental Pollution</i> , 2022, 305, 119328.	7.5	6

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19	The shape effect of Au particles on random laser action in disordered media of Rh6G dye doped with PMMA polymer. <i>Journal of Modern Optics</i> , 2016, 63, 1998-2002.	1.3	5
20	Leaching toxicity and ecotoxicity of tanned leather waste during production phase. <i>Chemical Engineering Research and Design</i> , 2022, 161, 201-209.	5.6	5
21	Recyclable plant tannin-chelated Rh(III) complex catalysts for aqueous organic biphasic hydrogenation of quinoline. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1104-1110.	3.2	4
22	Morphology control and enhancement of 1.5 μ m emission in Ca ²⁺ /Ce ³⁺ codoped NaGdF ₄ :Yb ³⁺ , Er ³⁺ submicrorods. <i>RSC Advances</i> , 2017, 7, 48238-48244.	3.6	4
23	Fabrication and Photocatalytic Properties of ZnSe Nanorod Films. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	2.7	2
24	Structure-Dependent Eco-Toxicity of Vegetable Tannin. <i>Processes</i> , 2022, 10, 816.	2.8	2
25	Nanomaterials augmented LDI-TOF-MS for pancreatic ductal adenocarcinoma diagnosis and classification.. <i>Journal of Clinical Oncology</i> , 2020, 38, e16761-e16761.	1.6	0