

Shu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

831
citations

623734

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docs citations

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times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of ROS Produced by Nanobubbles and Their Positive and Negative Effects on Vegetable Seed Germination. <i>Langmuir</i> , 2016, 32, 11295-11302.	3.5	152
2	Effects of nanobubbles on the physicochemical properties of water: The basis for peculiar properties of water containing nanobubbles. <i>Chemical Engineering Science</i> , 2013, 93, 250-256.	3.8	146
3	Oxidative Capacity of Nanobubbles and Its Effect on Seed Germination. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1347-1353.	6.7	124
4	Effect of micro-bubbles on coagulation flotation process of dyeing wastewater. <i>Separation and Purification Technology</i> , 2010, 71, 337-346.	7.9	108
5	Effect of NaCl on the Lifetime of Micro- and Nanobubbles. <i>Nanomaterials</i> , 2016, 6, 31.	4.1	77
6	Nanobubble Water's Promotion Effect of Barley (<i>Hordeum vulgare</i> L.) Sprouts Supported by RNA-Seq Analysis. <i>Langmuir</i> , 2017, 33, 12478-12486.	3.5	40
7	Effects of hydrophobicity of titanium dioxide nanoparticles and exposure scenarios on copper uptake and toxicity in <i>Daphnia magna</i> . <i>Water Research</i> , 2019, 154, 162-170.	11.3	25
8	Alleviation of copper toxicity in <i>Daphnia magna</i> by hydrogen nanobubble water. <i>Journal of Hazardous Materials</i> , 2020, 389, 122155.	12.4	22
9	An overview of recent advances and applications of FT-IR spectroscopy for quality, authenticity, and adulteration detection in edible oils. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8009-8027.	10.3	20
10	Comparison of denitrification performances using PLA/starch with different mass ratios as carbon source. <i>Water Science and Technology</i> , 2015, 71, 1019-1025.	2.5	19
11	Formation of a Hydrogen Radical in Hydrogen Nanobubble Water and Its Effect on Copper Toxicity in <i>Chlorella</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11100-11109.	6.7	19
12	Effect of chronic toxicity of the crystalline forms of TiO ₂ nanoparticles on the physiological parameters of <i>Daphnia magna</i> with a focus on index correlation analysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 292-300.	6.0	17
13	Removal of EDTA-Cu(II) from Water Using Synergistic Fenton Reaction-Assisted Adsorption by Nanomanganese Oxide-Modified Biochar: Performance and Mechanistic Analysis. <i>ACS ES&T Water</i> , 2021, 1, 1302-1312.	4.6	17
14	Antioxidant Activity of Hydrogen Nanobubbles in Water with Different Reactive Oxygen Species both in Vivo and in Vitro. <i>Langmuir</i> , 2018, 34, 11878-11885.	3.5	16
15	Re-using ammonium-rich wastewater as a moisture conditioning agent during composting thermophilic period improves composting performance. <i>Bioresource Technology</i> , 2021, 332, 125084.	9.6	13
16	Dechlorination of Municipal Solid Waste Incineration Fly Ash by Leaching with Fermentation Liquid of Food Waste. <i>Sustainability</i> , 2020, 12, 4389.	3.2	7
17	Composting—a solution of eliminating a nitrite-rich wastewater by reusing it as a moisture conditioning agent. <i>Chemosphere</i> , 2021, 284, 131365.	8.2	5
18	Characterizing the interactions between copper ions and dissolved organic matter using fluorescence excitation-emission matrices with two-dimensional Savitzky-Golay second-order differentiation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109834.	6.0	4