

Hong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

965
citations

623734

14
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexavalent chromium removal from aqueous solution by algal bloom residue derived activated carbon: Equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , 2010, 181, 801-808.	12.4	153
2	Reduction and Removal of Aqueous Cr(VI) by Glow Discharge Plasma at the Gas-Solution Interface. <i>Environmental Science & Technology</i> , 2011, 45, 7841-7847.	10.0	113
3	Degradation of microcystin-LR in water by glow discharge plasma oxidation at the gas-solution interface and its safety evaluation. <i>Water Research</i> , 2012, 46, 6554-6562.	11.3	83
4	Degradation of norfloxacin in aqueous solution by atmospheric-pressure non-thermal plasma: Mechanism and degradation pathways. <i>Chemosphere</i> , 2018, 210, 433-439.	8.2	81
5	Highly effective removal of malachite green from aqueous solution by hydrochar derived from phycocyanin-extracted algal bloom residues through hydrothermal carbonization. <i>RSC Advances</i> , 2017, 7, 5790-5799.	3.6	70
6	Improved adsorptive capacity of pine wood decayed by fungi <i>Poria cocos</i> for removal of malachite green from aqueous solutions. <i>Desalination</i> , 2011, 274, 97-104.	8.2	61
7	Isolation, identification and characterization of phytoplankton-lytic bacterium CH-22 against <i>Microcystis aeruginosa</i> . <i>Limnologia</i> , 2011, 41, 70-77.	1.5	55
8	Inactivation of <i>Microcystis aeruginosa</i> by DC glow discharge plasma: Impacts on cell integrity, pigment contents and microcystins degradation. <i>Journal of Hazardous Materials</i> , 2014, 268, 33-42.	12.4	55
9	Degradation of 2, 4-dichlorophenol in aqueous solution by dielectric barrier discharge: Effects of plasma-working gases, degradation pathways and toxicity assessment. <i>Chemosphere</i> , 2018, 204, 351-358.	8.2	52
10	Flocculation of harmful algal blooms by modified attapulgite and its safety evaluation. <i>Water Research</i> , 2011, 45, 2855-2862.	11.3	44
11	Mutagenicity of ZnO nanoparticles in mammalian cells: Role of physicochemical transformations under the aging process. <i>Nanotoxicology</i> , 2015, 9, 972-982.	3.0	42
12	Spectroscopic probe to contribution of physicochemical transformations in the toxicity of aged ZnO NPs to <i>Chlorella vulgaris</i> : new insight into the variation of toxicity of ZnO NPs under aging process. <i>Nanotoxicology</i> , 2016, 10, 1177-1187.	3.0	35
13	Harmful algae blooms removal from fresh water with modified vermiculite. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 340-346.	2.2	22
14	New insight into the residual inactivation of <i>Microcystis aeruginosa</i> by dielectric barrier discharge. <i>Scientific Reports</i> , 2015, 5, 13683.	3.3	20
15	Nano-networks have better adsorption capability than nano-rods. <i>Nano Communication Networks</i> , 2010, 1, 257-263.	2.9	14
16	Distinguish the Role of DBD-Accompanying UV-Radiation in the Degradation of Bisphenol A. <i>Plasma Chemistry and Plasma Processing</i> , 2016, 36, 585-598.	2.4	13
17	SERS study of transformation of phenylalanine to tyrosine under particle irradiation. <i>Journal of Molecular Structure</i> , 2014, 1072, 195-202.	3.6	12
18	Study of the toxicity of ZnO nanoparticles to <i>Chlorella sorokiniana</i> under the influence of phosphate: spectroscopic quantification, photosynthetic efficiency and gene expression analysis. <i>Environmental Science: Nano</i> , 2020, 7, 1431-1443.	4.3	12

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19	Stimulation of biomass and astaxanthin accumulation in <i>Haematococcus pluvialis</i> using low-temperature plasma (LTP). <i>Bioresource Technology Reports</i> , 2020, 9, 100385.	2.7	8
20	Optimized Hierarchical Structure and Chemical Gradients Promote the Biomechanical Functions of the Spike of Mantis Shrimps. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17380-17391.	8.0	8
21	Multi-scale simulation of early kidney branching morphogenesis. <i>Physical Biology</i> , 2021, 18, 026005.	1.8	6
22	Multi-scale design of the chela of the hermit crab <i>Coenobita brevipennis</i> . <i>Acta Biomaterialia</i> , 2021, 127, 229-241.	8.3	5
23	Flocculation of Harmful Algal Blooms by Modified Fly Ash. <i>Advanced Materials Research</i> , 0, 347-353, 2090-2093.	0.3	1
24	Preliminary assessment of genotoxic effects induced by radiation from EAST using <i>Vicia faba</i> micronucleus assay. <i>Journal of Radiological Protection</i> , 2021, 41, 239-253.	1.1	0