

Rui Zhang

List of Publications by Year in descending order

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17
papers

623
citations

759055

12
h-index

887953

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17
all docs

17
docs citations

17
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. <i>Science of the Total Environment</i> , 2020, 724, 138065.	3.9	54
2	Interactions of three bisphenol analogues with hemoglobin investigated by spectroscopy and molecular docking. <i>Journal of Molecular Recognition</i> , 2019, 32, e2758.	1.1	11
3	Characterization of the interaction between carbon black and three important antioxidant proteins using multi spectroscopy and modeling simulations. <i>Chemosphere</i> , 2019, 222, 823-830.	4.2	24
4	Carbon black induced DNA damage and conformational changes to mouse hepatocytes and DNA molecule: A combined study using comet assay and multi-spectra methods. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 732-738.	2.9	12
5	Assessing the in vitro and in vivo toxicity of ultrafine carbon black to mouse liver. <i>Science of the Total Environment</i> , 2019, 655, 1334-1341.	3.9	29
6	Probing the toxic mechanism of bisphenol A with acid phosphatase at the molecular level. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11431-11439.	2.7	9
7	Interaction of a digestive protease, <i>Candida rugosa</i> lipase, with three surfactants investigated by spectroscopy, molecular docking and enzyme activity assay. <i>Science of the Total Environment</i> , 2018, 622-623, 306-315.	3.9	48
8	An exploration of the effect and interaction mechanism of bisphenol A on waste sludge hydrolysis with multi-spectra, isothermal titration microcalorimetry and molecule docking. <i>Journal of Hazardous Materials</i> , 2017, 333, 32-41.	6.5	29
9	Characterizing the binding interaction between ultrafine carbon black (UFCB) and catalase: electron microscopy and spectroscopic analysis. <i>RSC Advances</i> , 2017, 7, 42549-42558.	1.7	18
10	Tetracycline removal and effect on the formation and degradation of extracellular polymeric substances and volatile fatty acids in the process of hydrogen fermentation. <i>Bioresource Technology</i> , 2016, 212, 20-25.	4.8	36
11	Deciphering the toxicity of bisphenol a to <i>Candida rugosa</i> lipase through spectrophotometric methods. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 40-46.	1.7	39
12	Bisphenol S Interacts with Catalase and Induces Oxidative Stress in Mouse Liver and Renal Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6630-6640.	2.4	84
13	New Insights into the Toxicity of n-Butanol to Trypsin: Spectroscopic and Molecular Docking Descriptions. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 418-425.	1.4	6
14	Selective removal of H ₂ S from biogas using a regenerable hybrid TiO ₂ /zeolite composite. <i>Fuel</i> , 2015, 157, 183-190.	3.4	63
15	Molecular mechanism on cadmium-induced activity changes of catalase and superoxide dismutase. <i>International Journal of Biological Macromolecules</i> , 2015, 77, 59-67.	3.6	127
16	Investigation of the rescue mechanism catalyzed by a nucleophile mutant of rice BGLu1. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 54, 100-106.	1.3	4
17	Binding Mode Investigations on the Interaction of Lead(II) Acetate with Human Chorionic Gonadotropin. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9644-9650.	1.2	30