Rui Zhang

List of Publications by Year
in descending order

17 papers	623 citations	759055 12 h-index	887953 17 g-index
17 all docs	17 docs citations	17 times ranked	872 citing authors

#	Article	IF	Citations
1	Molecular mechanism on cadmium-induced activity changes of catalase and superoxide dismutase. International Journal of Biological Macromolecules, 2015, 77, 59-67.	3.6	127
2	Bisphenol S Interacts with Catalase and Induces Oxidative Stress in Mouse Liver and Renal Cells. Journal of Agricultural and Food Chemistry, 2016, 64, 6630-6640.	2.4	84
3	Selective removal of H 2 S from biogas using a regenerable hybrid TiO 2 /zeolite composite. Fuel, 2015, 157, 183-190.	3.4	63
4	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. Science of the Total Environment, 2020, 724, 138065.	3.9	54
5	Interaction of a digestive protease, Candida rugosa lipase, with three surfactants investigated by spectroscopy, molecular docking and enzyme activity assay. Science of the Total Environment, 2018, 622-623, 306-315.	3.9	48
6	Deciphering the toxicity of bisphenol a to Candida rugosa lipase through spectrophotometric methods. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 40-46.	1.7	39
7	Tetracycline removal and effect on the formation and degradation of extracellular polymeric substances and volatile fatty acids in the process of hydrogen fermentation. Bioresource Technology, 2016, 212, 20-25.	4.8	36
8	Binding Mode Investigations on the Interaction of Lead(II) Acetate with Human Chorionic Gonadotropin. Journal of Physical Chemistry B, 2014, 118, 9644-9650.	1.2	30
9	An exploration of the effect and interaction mechanism of bisphenol A on waste sludge hydrolysis with multi-spectra, isothermal titration microcalorimetry and molecule docking. Journal of Hazardous Materials, 2017, 333, 32-41.	6.5	29
10	Assessing the in vitro and in vivo toxicity of ultrafine carbon black to mouse liver. Science of the Total Environment, 2019, 655, 1334-1341.	3.9	29
11	Characterization of the interaction between carbon black and three important antioxidant proteins using multi spectroscopy and modeling simulations. Chemosphere, 2019, 222, 823-830.	4.2	24
12	Characterizing the binding interaction between ultrafine carbon black (UFCB) and catalase: electron microscopy and spectroscopic analysis. RSC Advances, 2017, 7, 42549-42558.	1.7	18
13	Carbon black induced DNA damage and conformational changes to mouse hepatocytes and DNA molecule: A combined study using comet assay and multi-spectra methods. Ecotoxicology and Environmental Safety, 2019, 170, 732-738.	2.9	12
14	Interactions of three bisphenol analogues with hemoglobin investigated by spectroscopy and molecular docking. Journal of Molecular Recognition, 2019, 32, e2758.	1.1	11
15	Probing the toxic mechanism of bisphenol A with acid phosphatase at the molecular level. Environmental Science and Pollution Research, 2018, 25, 11431-11439.	2.7	9
16	New Insights into the Toxicity ofn-Butanol to Trypsin: Spectroscopic and Molecular Docking Descriptions. Journal of Biochemical and Molecular Toxicology, 2015, 29, 418-425.	1.4	6
17	Investigation of the rescue mechanism catalyzed by a nucleophile mutant of rice BGlu1. Journal of Molecular Graphics and Modelling, 2014, 54, 100-106.	1.3	4