Wansong Zong

List of Publications by Year
in descending order

36 papers	663 citations	686830 13 h-index	580395 25 g-index
36 all docs	36 docs citations	36 times ranked	596 citing authors

#	Article	IF	Citations
1	Characterizing the binding interactions of PFOA and PFOS with catalase at the molecular level. Chemosphere, 2018, 203, 360-367.	4.2	66
2	Toxic mechanism on phenanthrene-induced cytotoxicity, oxidative stress and activity changes of superoxide dismutase and catalase in earthworm (Eisenia foetida): A combined molecular and cellular study. Journal of Hazardous Materials, 2021, 418, 126302.	6.5	66
3	Catalase and superoxide dismutase response and the underlying molecular mechanism for naphthalene. Science of the Total Environment, 2020, 736, 139567.	3.9	64
4	Oxidation by-products formation of microcystin-LR exposed to UV/H2O2: Toward the generative mechanism and biological toxicity. Water Research, 2013, 47, 3211-3219.	5.3	58
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	A New Strategy to Identify and Eliminate the Inner Filter Effects by Outer Filter Technique. Journal of Fluorescence, 2011, 21, 1249-1254.	1.3	39
7	Toxic mechanism on phenanthrene-triggered cell apoptosis, genotoxicity, immunotoxicity and activity changes of immunity protein in Eisenia fetida: Combined analysis at cellular and molecular levels. Science of the Total Environment, 2022, 819, 153167.	3.9	33
8	Evaluation on the generative mechanism and biological toxicity of microcystin-LR disinfection by-products formed by chlorination. Journal of Hazardous Materials, 2013, 252-253, 293-299.	6.5	32
9	Microcystin-associated disinfection by-products: The real and non-negligible risk to drinking water subject to chlorination. Chemical Engineering Journal, 2015, 279, 498-506.	6.6	32
10	Cyclic voltammetry: A new strategy for the evaluation of oxidative damage to bovine insulin. Protein Science, 2010, 19, 263-268.	3.1	21
11	Toxic mechanism of pyrene to catalase and protective effects of vitamin C: Studies at the molecular and cell levels. International Journal of Biological Macromolecules, 2021, 171, 225-233.	3.6	20
12	Probing the biological toxicity of pyrene to the earthworm Eisenia fetida and the toxicity pathways of oxidative damage: A systematic study at the animal and molecular levels. Environmental Pollution, 2021, 289, 117936.	3.7	20
13	Anthracene-induced DNA damage and oxidative stress: a combined study at molecular and cellular levels. Environmental Science and Pollution Research, 2020, 27, 41458-41474.	2.7	19
14	Effect of bromide on molecular transformation of dissolved effluent organic matter during ozonation, UV/H2O2, UV/persulfate, and UV/chlorine treatments. Science of the Total Environment, 2022, 811, 152328.	3.9	13
15	Theoretical study of the formation and nucleation mechanism of highly oxygenated multi-functional organic compounds produced by Î±-pinene. Science of the Total Environment, 2021, 780, 146422.	3.9	12
16	Molecular Mechanism for the Regulation of Microcystin Toxicity to Protein Phosphatase 1 by Glutathione Conjugation Pathway. BioMed Research International, 2017, 2017, 1-10.	0.9	11
17	Binding mechanism of maltol with catalase investigated by spectroscopy, molecular docking, and enzyme activity assay. Journal of Molecular Recognition, 2020, 33, e2822.	1.1	11
18	A Unique Approach to the Mobile Proton Model: Influence of Charge Distribution on Peptide Fragmentation. Journal of Physical Chemistry B, 2010, 114, 6350-6353.	1.2	10

#	Article	IF	Citations
19	Novel biomarkers of protein oxidation sites and degrees using horse cytochrome c as the target by mass spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1581-1586.	2.0	8
20	Regulation on the toxicity of microcystin-LR target to protein phosphatase 1 by biotransformation pathway: effectiveness and mechanism. Environmental Science and Pollution Research, 2018, 25, 26020-26029.	2.7	8
21	The oxidative products of methionine as site and content biomarkers for peptide oxidation. Journal of Peptide Science, 2010, 16, 148-152.	0.8	7
22	The use of outer filter effects for Cu²⁺ quantitation: a unique example for monitoring nonfluorescent molecule with fluorescence. Luminescence, 2012, 27, 292-296.	1.5	7
23	Exploring the binding interaction between copper ions and Candida rugosa lipase. Toxicology Research, 2018, 7, 1100-1107.	0.9	7
24	Molecular mechanism of composite nanoparticles TiO 2 /WO 3 /GO-induced activity changes of catalase and superoxide dismutase. Chemico-Biological Interactions, 2018, 292, 30-36.	1.7	7
25	Evaluation of the Direct and Indirect Regulation Pathways of Glutathione Target to the Hepatotoxicity of Microcystin-LR. BioMed Research International, 2018, 2018, 1-8.	0.9	7
26	A study on the interaction between cadmium and Î±â€chymotrypsin and the underlying mechanisms. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22248.	1.4	7
27	A new biomarker of protein oxidation degree and site using angiotensin as the target by MS. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 908-911.	2.0	6
28	Regulation Efficacy and Mechanism of the Toxicity of Microcystin-LR Targeting Protein Phosphatase 1 via the Biodegradation Pathway. Toxins, 2020, 12, 790.	1.5	5
29	Influence of charge distribution on the discrepant MS/MS fragmentation of the native and oxidized FMRF: evidence for the mobile proton model. Journal of Peptide Science, 2010, 16, 687-692.	0.8	4
30	Molecular mechanism for the discrepant inhibition of microcystins on protein phosphatase 1. Environmental Science and Pollution Research, 2019, 26, 21774-21783.	2.7	4
31	Insight into the Molecular Mechanism for the Discrepant Inhibition of Microcystins (MCLR, LA, LF, LW,) Tj ETQq1 1 0.784314 rgBT /Over	1.5	4
32	Synthesis and Characterization of Nanoâ€Ziconium Dioxide in Recombination Surfactant Association System. Journal of Dispersion Science and Technology, 2007, 28, 1316-1324.	1.3	2
33	Research on the discrepant inhibition mechanism of microcystin-LR disinfectant by-products target to protein phosphatase 1. Environmental Science and Pollution Research, 2021, 28, 45586-45595.	2.7	2
34	Side-chain oxidative damage to cysteine on a glassy carbon electrode. Amino Acids, 2009, 37, 559-564.	1.2	1
35	Novel biomarker pipeline to probe the oxidation sites and oxidation degrees of hemoglobin in bovine erythrocytes exposed to oxidative stress. Biomedical Chromatography, 2016, 30, 810-817.	0.8	1
36	Research on the Impact and Mechanism for the Inhibition of Micrococcus Catalase Activity by Typical Tetracyclines. BioMed Research International, 2020, 2020, 1-13.	0.9	1