Zhenxing Chi

List of Publications by Year
in descending order

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38 papers	1,825 citations	361413 20 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	1871 citing authors

#	Article	IF	Citations
1	Revealing the toxicity of dimethyl phthalate (DMP) to the oxygen-carrying function of red blood cells (RBCs): The iron release mechanism. Chemosphere, 2021, 263, 128017.	8.2	19
2	Biodegradation performance and biofouling control of a halophilic biocarriers-MBR in saline pharmaceutical (ampicillin-containing) wastewater treatment. Chemosphere, 2021, 263, 127949.	8.2	13
3	Investigation on the interaction between Ag+ and bovine hemoglobin using spectroscopic methods. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, , 1-6.	1.7	1
4	A novel mitochondrial targeting fluorescent probe for ratiometric imaging SO2 derivatives in living cells. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112339.	3.9	11
5	Impact Assessment of heavy metal cations to the characteristics of photosynthetic phycocyanin. Journal of Hazardous Materials, 2020, 391, 122225.	12.4	20
6	A novel mitochondrial-targeted two-photon fluorescent probe for ultrafast monitoring of SO2 derivatives and its applications. Talanta, 2020, 217, 121086.	5.5	24
7	InÂvitro toxicity of dimethyl phthalate to human erythrocytes: From the aspects of antioxidant and immune functions. Environmental Pollution, 2019, 253, 239-245.	7.5	23
8	Comparative study on the toxic mechanisms of medical nanosilver and silver ions on the antioxidant system of erythrocytes: from the aspects of antioxidant enzyme activities and molecular interaction mechanisms. Journal of Nanobiotechnology, 2019, 17, 66.	9.1	32
9	The toxicity of cadmium ion (Cd2+) to phycocyanin: an in vitro spectroscopic study. Environmental Science and Pollution Research, 2018, 25, 14544-14550.	5.3	6
10	InÂvitro assessment of the toxicity of lead (Pb2+) to phycocyanin. Chemosphere, 2018, 192, 171-177.	8.2	23
11	In vitro assessment of the toxicity of small silver nanoparticles and silver ions to the red blood cells. Environmental Science and Pollution Research, 2018, 25, 32373-32380.	5.3	14
12	Investigation on the conformational changes of bovine serum albumin in a wide pH range from 2 to 12. Spectroscopy Letters, 2018, 51, 279-286.	1.0	23
13	InÂvitro cytotoxicity of decabrominated diphenyl ether (PBDE-209) to human red blood cells (hRBCs). Chemosphere, 2017, 180, 312-316.	8.2	18
14	Mechanism of the toxicological interactions of decabrominated diphenyl ether with hemoglobin. Spectroscopy Letters, 2017, 50, 381-386.	1.0	4
15	InÂvitro assessment of phthalate acid esters-trypsin complex formation. Chemosphere, 2017, 185, 29-35.	8.2	18
16	Interaction studies of polybrominated diphenyl ethers (PBDEs) with human serum albumin (HSA): Molecular docking investigations. Environmental Toxicology and Pharmacology, 2017, 54, 34-39.	4.0	12
17	Study on the interaction between typical phthalic acid esters (PAEs) and human haemoglobin (hHb) by molecular docking. Environmental Toxicology and Pharmacology, 2017, 53, 206-211.	4.0	25
18	Study on the Mechanism of Interaction between Phthalate Acid Esters and Bovine Hemoglobin. Journal of Agricultural and Food Chemistry, 2016, 64, 6035-6041.	5.2	58

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19	Study on the mechanism of action between dimethyl phthalate and herring sperm DNA at molecular level. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2016, 51, 553-557.	1.5	6
20	Probing the In Vitro Cytotoxicity of the Veterinary Drug Oxytetracycline. PLoS ONE, 2014, 9, e102334.	2.5	22
21	Binding of the veterinary drug tetracycline to bovine hemoglobin and toxicological implications. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 978-984.	1.5	10
22	New insights into the characterization of the binding of tetracycline analogues with lysozyme: A biophysical study. Chemosphere, 2012, 86, 92-97.	8.2	37
23	Phenotypic Characterization of the Binding of Tetracycline to Human Serum Albumin. Biomacromolecules, 2011, 12, 203-209.	5.4	280
24	Binding of Tetracycline and Chlortetracycline to the Enzyme Trypsin: Spectroscopic and Molecular Modeling Investigations. PLoS ONE, 2011, 6, e28361.	2.5	24
25	Toxic effects of different charged metal ions on the targetâ€"Bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 523-527.	3.9	34
26	Study on the binding of cerium to bovine serum albumin. Journal of Biochemical and Molecular Toxicology, 2011, 25, 263-268.	3.0	5
27	Potential enzyme toxicity of oxytetracycline to catalase. Science of the Total Environment, 2010, 408, 5399-5404.	8.0	48
28	Spectroscopic investigation on the toxic interaction of melamine with herring sperm DNA. Journal of Biochemical and Molecular Toxicology, 2010, 24, 323-329.	3.0	14
29	Investigation on the toxic interaction of chrysoidine hydrochlorideâ€"CTMAB combined contamination with calf thymus DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 177-182.	3.9	6
30	Spectroscopic investigation on the toxic interactions of Ni2+ with bovine hemoglobin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 155-160.	3.9	41
31	Investigation on the toxic interaction of toluidine blue with calf thymus DNA. Journal of Hazardous Materials, 2010, 175, 274-278.	12.4	62
32	Toxic interaction mechanism between oxytetracycline and bovine hemoglobin. Journal of Hazardous Materials, 2010, 180, 741-747.	12.4	111
33	New Insights into the Behavior of Bovine Serum Albumin Adsorbed onto Carbon Nanotubes: Comprehensive Spectroscopic Studies. Journal of Physical Chemistry B, 2010, 114, 5625-5631.	2.6	409
34	Binding of Oxytetracycline to Bovine Serum Albumin: Spectroscopic and Molecular Modeling Investigations. Journal of Agricultural and Food Chemistry, 2010, 58, 10262-10269.	5.2	195
35	Noncovalent Interaction of Oxytetracycline with the Enzyme Trypsin. Biomacromolecules, 2010, 11, 2454-2459.	5.4	130
36	A new strategy to probe the genotoxicity of silver nanoparticles combined with cetylpyridine bromide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 577-581.	3.9	30

#	Article	IF	Citations
37	Study on the Genotoxic Interaction of Methyl Violet with Calf Thymus DNA. Applied Spectroscopy, 2009, 63, 1331-1335.	2.2	7
38	New and clean strategy for the determination of Cu2+ in electroless copper plating baths. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 150-155.	3.9	10