

Zhenxing Chi

List of Publications by Year in descending order

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Version: 2024-02-01

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	New Insights into the Behavior of Bovine Serum Albumin Adsorbed onto Carbon Nanotubes: Comprehensive Spectroscopic Studies. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5625-5631.	2.6	409
2	Phenotypic Characterization of the Binding of Tetracycline to Human Serum Albumin. <i>Biomacromolecules</i> , 2011, 12, 203-209.	5.4	280
3	Binding of Oxytetracycline to Bovine Serum Albumin: Spectroscopic and Molecular Modeling Investigations. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10262-10269.	5.2	195
4	Noncovalent Interaction of Oxytetracycline with the Enzyme Trypsin. <i>Biomacromolecules</i> , 2010, 11, 2454-2459.	5.4	130
5	Toxic interaction mechanism between oxytetracycline and bovine hemoglobin. <i>Journal of Hazardous Materials</i> , 2010, 180, 741-747.	12.4	111
6	Investigation on the toxic interaction of toluidine blue with calf thymus DNA. <i>Journal of Hazardous Materials</i> , 2010, 175, 274-278.	12.4	62
7	Study on the Mechanism of Interaction between Phthalate Acid Esters and Bovine Hemoglobin. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6035-6041.	5.2	58
8	Potential enzyme toxicity of oxytetracycline to catalase. <i>Science of the Total Environment</i> , 2010, 408, 5399-5404.	8.0	48
9	Spectroscopic investigation on the toxic interactions of Ni ²⁺ with bovine hemoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 155-160.	3.9	41
10	New insights into the characterization of the binding of tetracycline analogues with lysozyme: A biophysical study. <i>Chemosphere</i> , 2012, 86, 92-97.	8.2	37
11	Toxic effects of different charged metal ions on the target "Bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 523-527.	3.9	34
12	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. <i>Journal of Nanobiotechnology</i> , 2019, 17, 66.	9.1	32
13	A new strategy to probe the genotoxicity of silver nanoparticles combined with cetylpyridine bromide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 577-581.	3.9	30
14	Study on the interaction between typical phthalic acid esters (PAEs) and human haemoglobin (hHb) by molecular docking. <i>Environmental Toxicology and Pharmacology</i> , 2017, 53, 206-211.	4.0	25
15	Binding of Tetracycline and Chlortetracycline to the Enzyme Trypsin: Spectroscopic and Molecular Modeling Investigations. <i>PLoS ONE</i> , 2011, 6, e28361.	2.5	24
16	A novel mitochondrial-targeted two-photon fluorescent probe for ultrafast monitoring of SO ₂ derivatives and its applications. <i>Talanta</i> , 2020, 217, 121086.	5.5	24
17	In vitro assessment of the toxicity of lead (Pb ²⁺) to phycocyanin. <i>Chemosphere</i> , 2018, 192, 171-177.	8.2	23
18	Investigation on the conformational changes of bovine serum albumin in a wide pH range from 2 to 12. <i>Spectroscopy Letters</i> , 2018, 51, 279-286.	1.0	23

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19	InÂvitro toxicity of dimethyl phthalate to human erythrocytes: From the aspects of antioxidant and immune functions. <i>Environmental Pollution</i> , 2019, 253, 239-245.	7.5	23
20	Probing the In Vitro Cytotoxicity of the Veterinary Drug Oxytetracycline. <i>PLoS ONE</i> , 2014, 9, e102334.	2.5	22
21	Impact Assessment of heavy metal cations to the characteristics of photosynthetic phycocyanin. <i>Journal of Hazardous Materials</i> , 2020, 391, 122225.	12.4	20
22	Revealing the toxicity of dimethyl phthalate (DMP) to the oxygen-carrying function of red blood cells (RBCs): The iron release mechanism. <i>Chemosphere</i> , 2021, 263, 128017.	8.2	19
23	InÂvitro cytotoxicity of decabrominated diphenyl ether (PBDE-209) to human red blood cells (hRBCs). <i>Chemosphere</i> , 2017, 180, 312-316.	8.2	18
24	InÂvitro assessment of phthalate acid esters-trypsin complex formation. <i>Chemosphere</i> , 2017, 185, 29-35.	8.2	18
25	Spectroscopic investigation on the toxic interaction of melamine with herring sperm DNA. <i>Journal of Biochemical and Molecular Toxicology</i> , 2010, 24, 323-329.	3.0	14
26	In vitro assessment of the toxicity of small silver nanoparticles and silver ions to the red blood cells. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32373-32380.	5.3	14
27	Biodegradation performance and biofouling control of a halophilic biocarriers-MBR in saline pharmaceutical (ampicillin-containing) wastewater treatment. <i>Chemosphere</i> , 2021, 263, 127949.	8.2	13
28	Interaction studies of polybrominated diphenyl ethers (PBDEs) with human serum albumin (HSA): Molecular docking investigations. <i>Environmental Toxicology and Pharmacology</i> , 2017, 54, 34-39.	4.0	12
29	A novel mitochondrial targeting fluorescent probe for ratiometric imaging SO ₂ derivatives in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112339.	3.9	11
30	New and clean strategy for the determination of Cu ²⁺ in electroless copper plating baths. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 150-155.	3.9	10
31	Binding of the veterinary drug tetracycline to bovine hemoglobin and toxicological implications. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 978-984.	1.5	10
32	Study on the Genotoxic Interaction of Methyl Violet with Calf Thymus DNA. <i>Applied Spectroscopy</i> , 2009, 63, 1331-1335.	2.2	7
33	Investigation on the toxic interaction of chrysoidine hydrochlorideâ€™CTMAB combined contamination with calf thymus DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 177-182.	3.9	6
34	Study on the mechanism of action between dimethyl phthalate and herring sperm DNA at molecular level. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 553-557.	1.5	6
35	The toxicity of cadmium ion (Cd ²⁺) to phycocyanin: an in vitro spectroscopic study. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14544-14550.	5.3	6
36	Study on the binding of cerium to bovine serum albumin. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 263-268.	3.0	5

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37	Mechanism of the toxicological interactions of decabrominated diphenyl ether with hemoglobin. Spectroscopy Letters, 2017, 50, 381-386.	1.0	4
38	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