Yan-Jun Hu

List of Publications by Year
in descending order

62 papers	3,901 citations	201385 27 h-index	118652 62 g-index
62 all docs	62 docs citations	62 times ranked	3655 citing authors

#	Article	IF	Citations
1	Study of the interaction between monoammonium glycyrrhizinate and bovine serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2004, 36, 915-919.	1.4	592
2	Studies of interaction between colchicine and bovine serum albumin by fluorescence quenching method. Journal of Molecular Structure, 2005, 750, 174-178.	1.8	441
3	Investigation of the Interaction between Berberine and Human Serum Albumin. Biomacromolecules, 2009, 10, 517-521.	2.6	423
4	Studies on the interaction between 1-hexylcarbamoyl-5-fluorouracil and bovine serum albumin. Journal of Molecular Structure, 2005, 738, 143-147.	1.8	245
5	Site-Selective Binding of Human Serum Albumin by Palmatine: Spectroscopic Approach. Biomacromolecules, 2010, 11, 106-112.	2.6	244
6	Interaction of cromolyn sodium with human serum albumin: A fluorescence quenching study. Bioorganic and Medicinal Chemistry, 2005, 13, 6609-6614.	1.4	227
7	Molecular Spectroscopy Evidence of Berberine Binding to DNA: Comparative Binding and Thermodynamic Profile of Intercalation. Biomacromolecules, 2012, 13, 873-880.	2.6	218
8	Binding of anti-inflammatory drug cromolyn sodium to bovine serum albumin. International Journal of Biological Macromolecules, 2006, 39, 280-285.	3.6	119
9	Fluorometric investigation of the interaction of bovine serum albumin with surfactants and 6-mercaptopurine. Journal of Photochemistry and Photobiology B: Biology, 2005, 80, 235-242.	1.7	118
10	Fluorometric investigation of the interaction between methylene blue and human serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 740-745.	1.4	73
11	Characterize the interaction between naringenin and bovine serum albumin using spectroscopic approach. Journal of Luminescence, 2010, 130, 1394-1399.	1.5	71
12	Binding of berberine to bovine serum albumin: spectroscopic approach. Molecular Biology Reports, 2010, 37, 3827-3832.	1.0	70
13	Molecular spectroscopic studies on the interaction of morin with bovine serum albumin. Journal of Photochemistry and Photobiology B: Biology, 2012, 112, 16-22.	1.7	70
14	Inhibitory study of some novel Schiff base derivatives on Staphylococcus aureus by microcalorimetry. Thermochimica Acta, 2006, 440, 51-56.	1.2	63
15	Spectroscopic studies on the interaction between 3,4,5-trimethoxybenzoic acid and bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 988-992.	2.0	61
16	Interaction of colchicine with human serum albumin investigated by spectroscopic methods. International Journal of Biological Macromolecules, 2005, 37, 122-126.	3.6	53
17	Evaluation of the interaction between naringenin and human serum albumin: Insights from fluorescence spectroscopy, electrochemical measurement and molecular docking. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 536-543.	2.0	51
18	Highly selective and sensitive detection of Hg2+ based on fluorescence enhancement of Mn-doped ZnSe QDs by Hg2+-Mn2+ replacement. Sensors and Actuators B: Chemical, 2018, 254, 8-15.	4.0	42

#	Article	IF	Citations
19	Investigations of the molecular interactions between nisoldipine and human serum albumin in vitro using multi-spectroscopy, electrochemistry and docking studies. Journal of Molecular Liquids, 2018, 258, 155-162.	2.3	40
20	Study of the structure-activity relationship of flavonoids based on their interaction with human serum albumin. RSC Advances, 2015, 5, 73290-73300.	1.7	37
21	Affinity and Specificity of Ciprofloxacin-Bovine Serum Albumin Interactions: Spectroscopic Approach. Protein Journal, 2010, 29, 234-241.	0.7	36
22	The specific binding of chlorogenic acid to human serum albumin. Molecular Biology Reports, 2012, 39, 2781-2787.	1.0	32
23	Structure-activity relationship study between baicalein and wogonin by spectrometry, molecular docking and microcalorimetry. Food Chemistry, 2016, 208, 192-198.	4.2	32
24	Green synthesis and physical characterization of Au nanoparticles and their interaction with bovine serum albumin. Colloids and Surfaces B: Biointerfaces, 2014, 122, 107-114.	2.5	29
25	Unraveling the coptisineâ€“ctDNA binding mechanism by multispectroscopic, electrochemical and molecular docking methods. RSC Advances, 2015, 5, 47367-47376.	1.7	29
26	Understanding the structureâ€“activity relationship between quercetin and naringenin: in vitro. RSC Advances, 2015, 5, 106171-106181.	1.7	28
27	Exploring the site-selective binding of jatrorrhizine to human serum albumin: Spectroscopic and molecular modeling approaches. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 163-169.	2.0	27
28	Study of caffeine binding to human serum albumin using optical spectroscopic methods. Science in China Series B: Chemistry, 2009, 52, 2205-2212.	0.8	26
29	Investigation of the Interaction Between Ofloxacin and Bovine Serum Albumin: Spectroscopic Approach. Journal of Solution Chemistry, 2010, 39, 709-717.	0.6	25
30	Exploring the binding of carbon dots to calf thymus DNA: From green synthesis to fluorescent molecular probe. Carbon, 2018, 130, 257-266.	5.4	24
31	Multispectroscopic, electrochemical and molecular docking approaches on binding comparison of camptothecin, 10-hydroxycamptothecin to bovine serum albumin. Journal of Molecular Liquids, 2021, 326, 115296.	2.3	23
32	Development of morin-conjugated Au nanoparticles: Exploring the interaction efficiency with BSA using spectroscopic methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 402-410.	2.0	21
33	Binding properties of palmatine to DNA: spectroscopic and molecular modeling investigations. Luminescence, 2015, 30, 1344-1351.	1.5	20
34	Interaction of flavones with DNA in vitro: structureâ€“activity relationships. RSC Advances, 2015, 5, 33058-33066.	1.7	20
35	Determination of the specific interaction between palmatine and bovine serum albumin. Molecular Biology Reports, 2012, 39, 5495-5501.	1.0	19
36	Exploiting the Role of Resveratrol in Rat Mitochondrial Permeability Transition. Journal of Membrane Biology, 2013, 246, 365-373.	1.0	19

#	Article	IF	Citations
37	Probing the Binding of Rifampicin to Bovine Serum Albumin in Aqueous Solution. Journal of Solution Chemistry, 2011, 40, 1711-1723.	0.6	18
38	Spectroscopic exploring the affinities, characteristics, and mode of binding interaction of curcumin with DNA. Molecular Biology Reports, 2013, 40, 4405-4413.	1.0	17
39	Deciphering the interaction of methotrexate with DNA: Spectroscopic and molecular docking study. Journal of Molecular Liquids, 2017, 248, 1-6.	2.3	16
40	A mitochondria-targeted organic arsenical accelerates mitochondrial metabolic disorder and function injury. Bioorganic and Medicinal Chemistry, 2019, 27, 760-768.	1.4	16
41	Dual-ratiometric fluorescence probe for viscosity and hypochlorite based on AIEgen with mitochondria-targeting ability. Talanta, 2022, 241, 123235.	2.9	16
42	Insights into the interaction of human serum albumin and carbon dots: Hydrothermal synthesis and biophysical study. International Journal of Biological Macromolecules, 2020, 149, 1118-1129.	3.6	15
43	A Series of Novel Rare Earth Molybdotungstosilicate Heteropolyoxometalates Binding to Bovine Serum Albumin: Spectroscopic Approach. Biological Trace Element Research, 2010, 136, 8-17.	1.9	13
44	Interaction of Caffeine with Bovine Serum Albumin: Determination of Binding Constants and the Binding Site by Spectroscopic Methods. Chinese Journal of Chemistry, 2011, 29, 433-440.	2.6	13
45	Quasiâ€spherical silver nanoparticles with high dispersity and uniform sizes: preparation, characterization and bioactivity in their interaction with bovine serum albumin. Luminescence, 2016, 31, 1146-1151.	1.5	13
46	Biophysical studies on the interactions of jatrorrhizine with bovine serum albumin by spectroscopic and molecular modeling methods. Molecular Biology Reports, 2013, 40, 4397-4404.	1.0	12
47	Insights into the interaction of methotrexate and human serum albumin: A spectroscopic and molecular modeling approach. Luminescence, 2017, 32, 873-879.	1.5	12
48	Oneâ€pot synthesis and characterization CdTe:Zn²⁺ quantum dots and its molecular interaction with calf thymus DNA. Journal of Molecular Recognition, 2018, 31, e2691.	1.1	8
49	Synthesis of novel 3-fluorooxindoles and their affinity probing with serum albumin: Using multi-spectral, electrochemical, and molecular docking. Journal of Molecular Liquids, 2021, 343, 117615.	2.3	8
50	Comparative study of two cephalosporin antibiotics binding to calf thymus DNA by multispectroscopy, electrochemistry, and molecular docking. Luminescence, 2020, 35, 52-61.	1.5	7
51	A sensitive fluorescent sensor based on the photoinduced electron transfer mechanism for cefixime and ctDNA. Journal of Molecular Recognition, 2020, 33, e2816.	1.1	7
52	Probing the interaction of cephalosporin with bovine serum albumin: A structural and comparative perspective. Luminescence, 2018, 33, 209-218.	1.5	6
53	Antibacterial Properties of a Kind of Schiff Base and Its Neodymium(III) and Zn(II) Complex (ZnNdL) on Escherichia coli. Chinese Journal of Chemistry, 2009, 27, 1657-1662.	2.6	5
54	In vitro binding comparison of cephalosporins to human serum albumin by spectroscopy and molecular docking approaches: A novel structural pursuing. Journal of Molecular Liquids, 2017, 248, 168-176.	2.3	5

#	Article	IF	Citations
55	Effect of berberine hydrochloride-functionalized gold nanoparticles on calf thymus DNA: a biophysical study. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4025-4031.	2.0	5
56	Novel Rare Earth Tungstoarsenate Heteropolyoxometalates K11[Ln(AsW11O39)2]Â·xH2O (Lnâ€‰=â€‰La, Nd, Sm) Binding to Bovine Serum Albumin: Spectroscopic Approach. Biological Trace Element Research, 2015, 163, 275-282.	1.9	4
57	Biological Activation of Heteropoly Complex of Molybdotungstosilicate Containing Lanthanum K10H3La(SiMo6W5O39)2â‹…26H2O: Spectroscopic Approach and Microcalorimetry. Biological Trace Element Research, 2010, 135, 314-324.	1.9	3
58	Preparation of graphene quantum dots with glycine as nitrogen source and its interaction with human serum albumin. Luminescence, 2021, 36, 894-903.	1.5	3
59	Interactions between Two Kinds of Gold Nanoclusters and Calf Thymus Deoxyribonucleic Acid: Directions for Preparations to Applications. Biomacromolecules, 2021, 22, 4738-4747.	2.6	3
60	Synthesis of a IAP antagonist analogue and its binding investigation with BSA/HSA. Journal of Molecular Structure, 2022, 1251, 131989.	1.8	3
61	Structure-dependent of 3-fluorooxindole derivatives interacting with ctDNA: Binding effects and molecular docking approaches. Bioorganic Chemistry, 2022, 121, 105698.	2.0	3
62	Lanthanide Salts of Heteropoly Molybdotungstosilicate LnHSiMo10W2O40Â·xH2O (Lnâ€‰=â€‰Pr, Nd, Sm, Gd, Tb,) Tj ETQq0 0 0 rgB Research, 2012, 147, 359-365.	1.9	2