Yan-Jun Hu

List of Publications by Year in Descending Order

62 papers	3,421 citations	24 h-index	58 g-index
62 ext. papers	3,666 ext. citations	4.4 avg, IF	5.11 L-index

#	Paper	IF	Citations
62	Dual-ratiometric fluorescence probe for viscosity and hypochlorite based on AIEgen with mitochondria-targeting ability.. *Talanta*, **2022**, 241, 123235	6.2	2
61	Structure-dependent of 3-fluorooxindole derivatives interacting with ctDNA: Binding effects and molecular docking approaches.. *Bioorganic Chemistry*, **2022**, 121, 105698	5.1	0
60	Synthesis of a IAP antagonist analogue and its binding investigation with BSA/HSA. *Journal of Molecular Structure*, **2021**, 1251, 131989	3.4	0
59	Interactions between Two Kinds of Gold Nanoclusters and Calf Thymus Deoxyribonucleic Acid: Directions for Preparations to Applications. *Biomacromolecules*, **2021**, 22, 4738-4747	6.9	1
58	Multispectroscopic, electrochemical and molecular docking approaches on binding comparison of camptothecin, 10-hydroxycamptothecin to bovine serum albumin. *Journal of Molecular Liquids*, **2021**, 326, 115296	6	10
57	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	6	2
56	Preparation of graphene quantum dots with glycine as nitrogen source and its interaction with human serum albumin. *Luminescence*, **2021**, 36, 894-903	2.5	1
55	A sensitive fluorescent sensor based on the photoinduced electron transfer mechanism for cefixime and ctDNA. *Journal of Molecular Recognition*, **2020**, 33, e2816	2.6	6
54	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	7.9	5
53	Effect of berberine hydrochloride-functionalized gold nanoparticles on calf thymus DNA: a biophysical study. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 4025-4031	3.6	3
52	Comparative study of two cephalosporin antibiotics binding to calf thymus DNA by multispectroscopy, electrochemistry, and molecular docking. *Luminescence*, **2020**, 35, 52-61	2.5	3
51	A mitochondria-targeted organic arsenical accelerates mitochondrial metabolic disorder and function injury. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 760-768	3.4	10
50	One-pot synthesis and characterization CdTe:Zn quantum dots and its molecular interaction with calf thymus DNA. *Journal of Molecular Recognition*, **2018**, 31, e2691	2.6	7
49	Exploring the binding of carbon dots to calf thymus DNA: From green synthesis to fluorescent molecular probe. *Carbon*, **2018**, 130, 257-266	10.4	20
48	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	6	28
47	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	8.5	31
46	Probing the interaction of cephalosporin with bovine serum albumin: A structural and comparative perspective. *Luminescence*, **2018**, 33, 209-218	2.5	5

45	Insights into the interaction of methotrexate and human serum albumin: A spectroscopic and molecular modeling approach. *Luminescence*, **2017**, 32, 873-879	2.5	8
44	Deciphering the interaction of methotrexate with DNA: Spectroscopic and molecular docking study. *Journal of Molecular Liquids*, **2017**, 248, 1-6	6	12
43	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	6	5
42	Quasi-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	2.5	11
41	Structure-activity relationship study between baicalein and wogonin by spectrometry, molecular docking and microcalorimetry. *Food Chemistry*, **2016**, 208, 192-8	8.5	25
40	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, 536-43	4.4	40
39	Interaction of flavones with DNA in vitro: structure–activity relationships. *RSC Advances*, **2015**, 5, 33058-33066	3.7	19
38	Study of the structure-activity relationship of flavonoids based on their interaction with human serum albumin. *RSC Advances*, **2015**, 5, 73290-73300	3.7	27
37	Binding properties of palmatine to DNA: spectroscopic and molecular modeling investigations. *Luminescence*, **2015**, 30, 1344-51	2.5	16
36	Unraveling the coptisine–DNA binding mechanism by multispectroscopic, electrochemical and molecular docking methods. *RSC Advances*, **2015**, 5, 47367-47376	3.7	22
35	Understanding the structure–activity relationship between quercetin and naringenin: in vitro. *RSC Advances*, **2015**, 5, 106171-106181	3.7	22
34	Novel rare earth tungstoarsenate heteropolyoxometalates K11[Ln(AsW 11O 39) 2]·xH 2O (Ln = La, Nd, Sm) binding to bovine serum albumin: spectroscopic approach. *Biological Trace Element Research*, **2015**, 163, 275-82	4.5	3
33	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, 402-10	4.4	21
32	Green synthesis and physical characterization of Au nanoparticles and their interaction with bovine serum albumin. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 107-114	6	23
31	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, 163-9	4.4	26
30	Exploiting the role of resveratrol in rat mitochondrial permeability transition. *Journal of Membrane Biology*, **2013**, 246, 365-73	2.3	18
29	Biophysical studies on the interactions of jatrorrhizine with bovine serum albumin by spectroscopic and molecular modeling methods. *Molecular Biology Reports*, **2013**, 40, 4397-404	2.8	12
28	Spectroscopic exploring the affinities, characteristics, and mode of binding interaction of curcumin with DNA. *Molecular Biology Reports*, **2013**, 40, 4405-13	2.8	17

27	Molecular spectroscopic studies on the interaction of morin with bovine serum albumin. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 112, 16-22	6.7	62
26	The specific binding of chlorogenic acid to human serum albumin. *Molecular Biology Reports*, **2012**, 39, 2781-7	2.8	27
25	Molecular spectroscopy evidence of berberine binding to DNA: comparative binding and thermodynamic profile of intercalation. *Biomacromolecules*, **2012**, 13, 873-80	6.9	196
24	Determination of the specific interaction between palmatine and bovine serum albumin. *Molecular Biology Reports*, **2012**, 39, 5495-501	2.8	18
23	Lanthanide salts of heteropoly molybdotungstosilicate LnHSiMo10W2O40□xH2O (Ln = Pr, Nd, Sm, Gd, Tb, Dy, Yb) binding to bovine serum albumin: a fluorescence quenching study. *Biological Trace Element Research*, **2012**, 147, 359-65	4.5	2
22	Probing the Binding of Rifampicin to Bovine Serum Albumin in Aqueous Solution. *Journal of Solution Chemistry*, **2011**, 40, 1711-1723	1.8	15
21	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	4.9	12
20	Site-selective binding of human serum albumin by palmatine: spectroscopic approach. *Biomacromolecules*, **2010**, 11, 106-12	6.9	226
19	Biological activation of heteropoly complex of molybdotungstosilicate containing lanthanum K10H 3La(SiMo6W5O39)2x26H2O: spectroscopic approach and microcalorimetry. *Biological Trace Element Research*, **2010**, 135, 314-24	4.5	3
18	A series of novel rare Earth molybdotungstosilicate heteropolyoxometalates binding to bovine serum albumin: spectroscopic approach. *Biological Trace Element Research*, **2010**, 136, 8-17	4.5	13
17	Affinity and specificity of ciprofloxacin-bovine serum albumin interactions: spectroscopic approach. *Protein Journal*, **2010**, 29, 234-41	3.9	22
16	Investigation of the Interaction Between Ofloxacin and Bovine Serum Albumin: Spectroscopic Approach. *Journal of Solution Chemistry*, **2010**, 39, 709-717	1.8	25
15	Binding of berberine to bovine serum albumin: spectroscopic approach. *Molecular Biology Reports*, **2010**, 37, 3827-32	2.8	58
14	Characterize the interaction between naringenin and bovine serum albumin using spectroscopic approach. *Journal of Luminescence*, **2010**, 130, 1394-1399	3.8	64
13	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	4.9	5
12	Study of caffeine binding to human serum albumin using optical spectroscopic methods. *Science in China Series B: Chemistry*, **2009**, 52, 2205-2212		20
11	Investigation of the interaction between Berberine and human serum albumin. *Biomacromolecules*, **2009**, 10, 517-21	6.9	370
10	Binding of anti-inflammatory drug cromolyn sodium to bovine serum albumin. *International Journal of Biological Macromolecules*, **2006**, 39, 280-5	7.9	107

9	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, 988-92	4.4	58
8	Inhibitory study of some novel Schiff base derivatives on Staphylococcus aureus by microcalorimetry. *Thermochimica Acta*, **2006**, 440, 51-56	2.9	52
7	Interaction of colchicine with human serum albumin investigated by spectroscopic methods. *International Journal of Biological Macromolecules*, **2005**, 37, 122-6	7.9	47
6	Fluorometric investigation of the interaction between methylene blue and human serum albumin. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 39, 740-5	3.5	70
5	Fluorometric investigation of the interaction of bovine serum albumin with surfactants and 6-mercaptopurine. *Journal of Photochemistry and Photobiology B: Biology*, **2005**, 80, 235-42	6.7	110
4	Studies of interaction between colchicine and bovine serum albumin by fluorescence quenching method. *Journal of Molecular Structure*, **2005**, 750, 174-178	3.4	388
3	Studies on the interaction between 1-hexylcarbamoyl-5-fluorouracil and bovine serum albumin. *Journal of Molecular Structure*, **2005**, 738, 143-147	3.4	222
2	Interaction of cromolyn sodium with human serum albumin: a fluorescence quenching study. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 6609-14	3.4	218
1	Study of the interaction between monoammonium glycyrrhizinate and bovine serum albumin. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 36, 915-9	3.5	550