

Di Wu

List of Publications by Year in descending order

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46
papers

1,325
citations

279487

23
h-index

360668

35
g-index

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all docs

46
docs citations

46
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of β -cyperone with human serum albumin: Determination of the binding site by using Discovery Studio and via spectroscopic methods. <i>Journal of Luminescence</i> , 2015, 164, 81-85.	1.5	90
2	Effects of high-intensity ultrasonic (HIU) treatment on the functional properties and assemblage structure of egg yolk. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104767.	3.8	90
3	Underlying mechanism for the differences in heat-induced gel properties between thick egg whites and thin egg whites: Gel properties, structure and quantitative proteome analysis. <i>Food Hydrocolloids</i> , 2020, 106, 105873.	5.6	85
4	Characterisation of interaction between food colourant allura red AC and human serum albumin: Multispectroscopic analyses and docking simulations. <i>Food Chemistry</i> , 2015, 170, 423-429.	4.2	78
5	Quantitative N-glycoproteomic analyses provide insights into the effects of thermal processes on egg white functional properties. <i>Food Chemistry</i> , 2021, 342, 128252.	4.2	57
6	How black tea pigment theaflavin dyes chicken eggs: Binding affinity study of theaflavin with ovalbumin. <i>Food Chemistry</i> , 2020, 303, 125407.	4.2	53
7	Interaction mechanisms and structure-affinity relationships between hyperoside and soybean β -conglycinin and glycinin. <i>Food Chemistry</i> , 2021, 347, 129052.	4.2	53
8	Unravelling the binding mechanism of benproperine with human serum albumin: A docking, fluorometric, and thermodynamic approach. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 245-250.	2.6	47
9	Posaconazole/hydroxypropyl- β -cyclodextrin host-guest system: Improving dissolution while maintaining antifungal activity. <i>Carbohydrate Polymers</i> , 2016, 142, 16-23.	5.1	43
10	Tandem mass tag-labeled quantitative proteomic analysis of tenderloins between Tibetan and Yorkshire pigs. <i>Meat Science</i> , 2021, 172, 108343.	2.7	40
11	Delivery of hyperoside by using a soybean protein isolated-soy soluble polysaccharide nanocomplex: Fabrication, characterization, and in vitro release properties. <i>Food Chemistry</i> , 2022, 386, 132837.	4.2	40
12	Binding mechanism and functional evaluation of quercetin 3-rhamnoside on lipase. <i>Food Chemistry</i> , 2021, 359, 129960.	4.2	39
13	Study on the interaction of ertugliflozin with human serum albumin in vitro by multispectroscopic methods, molecular docking, and molecular dynamics simulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 83-90.	2.0	38
14	Determination of interactions between human serum albumin and niraparib through multi-spectroscopic and computational methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 126-134.	2.0	36
15	Spectroscopy study and co-administration effect on the interaction of mycophenolic acid and human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2015, 77, 280-286.	3.6	35
16	In vitro investigation of the interaction between the hepatitis C virus drug sofosbuvir and human serum albumin through ^1H NMR, molecular docking, and spectroscopic analyses. <i>New Journal of Chemistry</i> , 2016, 40, 2530-2540.	1.4	33
17	Molecular aggregation and property changes of egg yolk low-density lipoprotein induced by ethanol and high-density ultrasound. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104933.	3.8	32
18	Comparative analysis of the interaction of mono-, dis-, and tris-azo food dyes with egg white lysozyme: A combined spectroscopic and computational simulation approach. <i>Food Chemistry</i> , 2019, 284, 180-187.	4.2	30

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19	Interaction of inosine with human serum albumin as determined by NMR relaxation data and fluorescence methodology. <i>Journal of Molecular Liquids</i> , 2016, 219, 547-553.	2.3	25
20	Interaction of novel Aurora kinase inhibitor MK-0457 with human serum albumin: Insights into the dynamic behavior, binding mechanism, conformation and esterase activity of human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112962.	1.4	25
21	Binding properties and structure–affinity relationships of food antioxidant butylated hydroxyanisole and its metabolites with lysozyme. <i>Food Chemistry</i> , 2015, 188, 370-376.	4.2	24
22	Dimethyl- β -cyclodextrin/salazosulfapyridine inclusion complex-loaded chitosan nanoparticles for sustained release. <i>Carbohydrate Polymers</i> , 2017, 156, 215-222.	5.1	24
23	Binding mechanism and antioxidant activity of piperine to hemoglobin. <i>Food Chemistry</i> , 2022, 394, 133558.	4.2	24
24	Binding mechanism of tauroursodeoxycholic acid to human serum albumin: insights from NMR relaxation and docking simulations. <i>RSC Advances</i> , 2015, 5, 11036-11042.	1.7	23
25	Two birds with one stone: Copper metal-organic framework as a carrier of disulfiram prodrug for cancer therapy. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121351.	2.6	23
26	Spectral and molecular modeling studies on the influence of β -cyclodextrin and its derivatives on aripiprazole-human serum albumin binding. <i>Carbohydrate Polymers</i> , 2015, 131, 65-74.	5.1	21
27	A Red-Light Azobenzene Di-Maleimide Photoswitch: Pros and Cons. <i>Advanced Optical Materials</i> , 2016, 4, 1402-1409.	3.6	21
28	Investigation on the Interaction of Dabrafenib with Human Serum Albumin Using Combined Experiment and Molecular Dynamics Simulation: Exploring the Binding Mechanism, Esterase-like Activity, and Antioxidant Activity. <i>Molecular Pharmaceutics</i> , 2018, 15, 5637-5645.	2.3	21
29	In-vitro binding analysis and inhibitory effect of capsaicin on lipase. <i>LWT - Food Science and Technology</i> , 2022, 154, 112674.	2.5	20
30	Interactions of the cis and trans states of an azobenzene photoswitch with lysozyme induced by red and blue light. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117965.	2.0	16
31	Two solid forms of tauroursodeoxycholic acid and the effects of milling and storage temperature on solid-state transformations. <i>International Journal of Pharmaceutics</i> , 2015, 486, 185-194.	2.6	15
32	Binding mechanism of the tyrosine-kinase inhibitor nilotinib to human serum albumin determined by ^1H STD NMR, ^{19}F NMR, and molecular modeling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 1-9.	1.4	15
33	Study of the interaction of broad-spectrum antimicrobial drug sitafloxacin with human serum albumin using spectroscopic methods, molecular docking, and molecular dynamics simulation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 397-403.	1.4	15
34	Comparative analysis of the interaction of capecitabine and gefitinib with human serum albumin using ^{19}F nuclear magnetic resonance-based approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 15-20.	1.4	14
35	Computational and spectroscopic analysis of interaction between food colorant citrus red 2 and human serum albumin. <i>Scientific Reports</i> , 2019, 9, 1615.	1.6	13
36	Determination of the DNA binding properties of a novel PARP inhibitor MK-4827 with calf-thymus DNA by molecular simulations and detailed spectroscopic investigations. <i>New Journal of Chemistry</i> , 2019, 43, 6702-6711.	1.4	10

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37	Injectable thermosensitive lipo-hydrogels loaded with ropivacaine for prolonging local anesthesia. <i>International Journal of Pharmaceutics</i> , 2022, 611, 121291.	2.6	10
38	Optimizing organic amendment applications to enhance carbon sequestration and economic benefits in an infertile sandy soil. <i>Journal of Environmental Management</i> , 2022, 303, 114129.	3.8	10
39	Binding properties of sodium glucose co-transporter-2 inhibitor empagliflozin to human serum albumin: spectroscopic methods and computer simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3178-3187.	2.0	7
40	Comparative analysis of the interaction between azobenzene di-maleimide and human serum albumin/lysozyme. <i>Journal of Molecular Structure</i> , 2022, 1252, 132179.	1.8	7
41	Quantitative N-glycoproteome analysis of bovine milk and yogurt. <i>Current Research in Food Science</i> , 2022, 5, 182-190.	2.7	7
42	An Investigation into the Polymorphism and Crystallization of Levetiracetam and the Stability of its Solid Form. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4123-4131.	1.6	5
43	Effects of microsize on the biocompatibility of UiO67 from protein-adsorption behavior, hemocompatibility, and histological toxicity. <i>Journal of Hazardous Materials</i> , 2022, 435, 129042.	6.5	5
44	Four solid forms of tauroursodeoxycholic acid and solid-state transformations: effects of temperature and milling. <i>RSC Advances</i> , 2015, 5, 96392-96403.	1.7	3
45	Simulation-guided relationships and interaction characteristics of human CtBP1 in complex with protocathechualdehyde. <i>Journal of Molecular Liquids</i> , 2022, 360, 119507.	2.3	2
46	Transmission success probability analysis of vehicle users with mobile relays under mobility models. <i>Science China Information Sciences</i> , 2020, 63, 1.	2.7	1