

Peixiao Tang

List of Publications by Year in descending order

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58
papers

1,394
citations

279798

23
h-index

377865

34
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58
all docs

58
docs citations

58
times ranked

1915
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusion complexes of chlorzoxazone with β - and hydroxypropyl- β -cyclodextrin: Characterization, dissolution, and cytotoxicity. <i>Carbohydrate Polymers</i> , 2015, 131, 297-305.	10.2	79
2	A simple and green method to construct cyclodextrin polymer for the effective and simultaneous estrogen pollutant and metal removal. <i>Chemical Engineering Journal</i> , 2019, 366, 598-607.	12.7	76
3	Rapid and efficient removal of estrogenic pollutants from water by using beta- and gamma-cyclodextrin polymers. <i>Chemical Engineering Journal</i> , 2018, 344, 514-523.	12.7	69
4	Characterization and antioxidant activity of the complexes of tertiary butylhydroquinone with β -cyclodextrin and its derivatives. <i>Food Chemistry</i> , 2018, 260, 183-192.	8.2	62
5	Interactions of cinnamaldehyde and its metabolite cinnamic acid with human serum albumin and interference of other food additives. <i>Food Chemistry</i> , 2018, 243, 74-81.	8.2	57
6	Mesalazine/hydroxypropyl- β -cyclodextrin/chitosan nanoparticles with sustained release and enhanced anti-inflammation activity. <i>Carbohydrate Polymers</i> , 2018, 198, 418-425.	10.2	48
7	Characterization and evaluation of synthetic riluzole with β -cyclodextrin and 2,6-di-O-methyl- β -cyclodextrin inclusion complexes. <i>Carbohydrate Polymers</i> , 2015, 129, 9-16.	10.2	47
8	Posaconazole/hydroxypropyl- β -cyclodextrin host-guest system: Improving dissolution while maintaining antifungal activity. <i>Carbohydrate Polymers</i> , 2016, 142, 16-23.	10.2	43
9	Investigation on the interaction of antibacterial drug moxifloxacin hydrochloride with human serum albumin using multi-spectroscopic approaches, molecular docking and dynamical simulation. <i>RSC Advances</i> , 2017, 7, 48942-48951.	3.6	43
10	Honokiol nanoparticles based on epigallocatechin gallate functionalized chitin to enhance therapeutic effects against liver cancer. <i>International Journal of Pharmaceutics</i> , 2018, 545, 74-83.	5.2	39
11	Characterization of the binding of a novel antitumor drug ibrutinib with human serum albumin: Insights from spectroscopic, calorimetric and docking studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 184, 18-26.	3.8	38
12	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.	3.9	38
13	Mechanism and structure studies of cinnamaldehyde/cyclodextrins inclusions by computer simulation and NMR technology. <i>Carbohydrate Polymers</i> , 2018, 194, 294-302.	10.2	37
14	Propyl gallate/cyclodextrin supramolecular complexes with enhanced solubility and radical scavenging capacity. <i>Food Chemistry</i> , 2018, 245, 1062-1069.	8.2	37
15	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.	3.9	36
16	Protein corona of metal-organic framework nanoparticles: Study on the adsorption behavior of protein and cell interaction. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 709-718.	7.5	31
17	Chitosan/Sulfobutylether- β -Cyclodextrin Nanoparticles for Ibrutinib Delivery: A Potential Nanoformulation of Novel Kinase Inhibitor. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1136-1144.	3.3	31
18	Molecular mechanism of the binding of 3,4,5-tri-O-caffeoylquinic acid to human serum albumin: Saturation transfer difference NMR, multi-spectroscopy, and docking studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 24-33.	3.8	30

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19	The influence of hydroxypropyl- β -cyclodextrin on the solubility, dissolution, cytotoxicity, and binding of riluzole with human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 453-463.	2.8	29
20	Studies of DNA-binding properties of lafutidine as adjuvant anticancer agent to calf thymus DNA using multi-spectroscopic approaches, NMR relaxation data, molecular docking and dynamical simulation. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 79-87.	7.5	27
21	Binding modes of environmental endocrine disruptors to human serum albumin: insights from STD-NMR, ITC, spectroscopic and molecular docking studies. <i>Scientific Reports</i> , 2017, 7, 11126.	3.3	26
22	Binding behavior of trelagliptin and human serum albumin: Molecular docking, dynamical simulation, and multi-spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 187-195.	3.9	25
23	Binding properties and structure-affinity relationships of food antioxidant butylated hydroxyanisole and its metabolites with lysozyme. <i>Food Chemistry</i> , 2015, 188, 370-376.	8.2	24
24	Dimethyl- β -cyclodextrin/salazosulfapyridine inclusion complex-loaded chitosan nanoparticles for sustained release. <i>Carbohydrate Polymers</i> , 2017, 156, 215-222.	10.2	24
25	Solid dispersions of telaprevir with improved solubility prepared by co-milling: formulation, physicochemical characterization, and cytotoxicity evaluation. <i>Materials Science and Engineering C</i> , 2019, 105, 110012.	7.3	24
26	Co-amorphous palbociclib-organic acid systems with increased dissolution rate, enhanced physical stability and equivalent biosafety. <i>RSC Advances</i> , 2019, 9, 3946-3955.	3.6	24
27	Microcrystalline cellulose as an effective crystal growth inhibitor for the ternary Ibrutinib formulation. <i>Carbohydrate Polymers</i> , 2020, 229, 115476.	10.2	24
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.	4.6	21
29	Insights into the interaction of ulipristal acetate and human serum albumin using multi-spectroscopic methods, molecular docking, and dynamic simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2989-2998.	3.5	21
30	Capecitabine as a minor groove binder of DNA: molecular docking, molecular dynamics, and multi-spectroscopic studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1451-1463.	3.5	21
31	Characterization and In Vitro Evaluation of the Complexes of Posaconazole with β - and 2,6-di-O-methyl- β -cyclodextrin. <i>AAPS PharmSciTech</i> , 2017, 18, 104-114.	3.3	19
32	Insights into protein recognition for γ -lactone essences and the effect of side chains on interaction via microscopic, spectroscopic, and simulative technologies. <i>Food Chemistry</i> , 2019, 278, 127-135.	8.2	19
33	Combined spectroscopy methods and molecular simulations for the binding properties of trametinib to human serum albumin. <i>RSC Advances</i> , 2018, 8, 4742-4749.	3.6	18
34	Determination of potential main sites of apixaban binding in human serum albumin by combined spectroscopic and docking investigations. <i>RSC Advances</i> , 2015, 5, 81696-81706.	3.6	17
35	Novel poly(ADP-ribose) polymerase inhibitor veliparib: biophysical studies on its binding to calf thymus DNA. <i>RSC Advances</i> , 2017, 7, 10242-10251.	3.6	17
36	Crystal structure determination of three polycyclic compounds and comparative Rietveld refinement between MS and GSAS programs. <i>Science Bulletin</i> , 2013, 58, 2430-2434.	1.7	16

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37	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.	5.2	15
38	Investigations of bisacodyl with modified β -cyclodextrins: Characterization, molecular modeling, and effect of PEG. <i>Carbohydrate Polymers</i> , 2015, 134, 82-91.	10.2	15
39	Effect of hydroxypropyl- β -cyclodextrin on the bounding of salazosulfapyridine to human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 105-115.	7.5	15
40	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.	2.8	15
41	Interactions between the antiviral drug telaprevir and human serum albumin: a combined study with spectroscopic methods and molecular modeling. <i>New Journal of Chemistry</i> , 2018, 42, 9791-9800.	2.8	15
42	Preparation of a carboxymethyl β -cyclodextrin polymer and its rapid adsorption performance for basic fuchsin. <i>RSC Advances</i> , 2020, 10, 20905-20914.	3.6	15
43	Investigation of the solid forms of deferasirox: solvate, co-crystal, and amorphous form. <i>RSC Advances</i> , 2017, 7, 43151-43160.	3.6	9
44	A new polymorph of glipizide with enhanced properties obtained using environmentally friendly methods. <i>CrystEngComm</i> , 2016, 18, 4508-4512.	2.6	7
45	Solid-state amorphization of rebamipide and investigation on solubility and stability of the amorphous form. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 283-292.	2.0	7
46	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.	3.5	7
47	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.	3.3	5
48	Preclinical evaluation of novel PI3K/mTOR dual inhibitor SN202 as potential anti-renal cancer agent. <i>Cancer Biology and Therapy</i> , 2018, 19, 1015-1022.	3.4	5
49	Studies of the binding properties of the food preservative thiabendazole to DNA by computer simulations and NMR relaxation. <i>RSC Advances</i> , 2018, 8, 20295-20303.	3.6	5
50	Experimental and computer simulation investigations of ethyl red with modified β -cyclodextrins: Inclusion mechanism and structure characterization. <i>Chemical Physics Letters</i> , 2020, 754, 137725.	2.6	5
51	Investigation the complex of 2,6-di-O-methyl- β -cyclodextrin and chlorzoxazone: preparation, characterization, dissolution, and cytotoxicity. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 167-176.	1.6	4
52	Study on the synthesis and drug-loading optimization of beta-cyclodextrin polymer microspheres containing ornidazole. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101836.	3.0	4
53	Four solid forms of tauroursodeoxycholic acid and solid-state transformations: effects of temperature and milling. <i>RSC Advances</i> , 2015, 5, 96392-96403.	3.6	3
54	Preparation, Characterization, and Properties of Inclusion Complexes of Balofloxacin with Cyclodextrins. <i>AAPS PharmSciTech</i> , 2019, 20, 278.	3.3	3

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55	Synthesis, structure, and DNA-binding study of a novel Zn (II) complex with fleroxacin and 1,10-phenanthroline monohydrate. <i>Inorganic Chemistry Communication</i> , 2019, 103, 6-11.	3.9	2
56	X-ray powder diffraction data for tectoridin, C ₂₂ H ₂₂ O ₁₁ . <i>Powder Diffraction</i> , 2016, 31, 52-54.	0.2	1
57	X-ray powder diffraction data for beta-methyl vinyl phosphate (C ₂₉ H ₂₇ N ₂ O ₁₀ P). <i>Powder Diffraction</i> , 2015, 30, 175-177.	0.2	0
58	X-ray powder diffraction data for olmesartan medoxomil, C ₂₉ H ₃₀ N ₆ O ₆ . <i>Powder Diffraction</i> , 2016, 31, 73-76.	0.2	0