Wang Long

List of Publications by Citations

39	1,196	19	34
papers	citations	h-index	g-index

40	1,375	7.6	4.13
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
39	Sulfated modification, characterization and structure–antioxidant relationships of Artemisia sphaerocephala polysaccharides. *Carbohydrate Polymers*, **2010**, 81, 897-905	10.3	133
38	A comparison study on microwave-assisted extraction of Potentilla anserina L. polysaccharides with conventional method: Molecule weight and antioxidant activities evaluation. *Carbohydrate Polymers*, **2010**, 80, 84-93	10.3	131
37	A comparison study on microwave-assisted extraction of Artemisia sphaerocephala polysaccharides with conventional method: Molecule structure and antioxidant activities evaluation. *International Journal of Biological Macromolecules*, **2009**, 45, 483-92	7.9	79
36	Synthesis of selenium-containing polysaccharides and evaluation of antioxidant activity in vitro. *International Journal of Biological Macromolecules*, **2012**, 51, 987-91	7.9	73
35	Microwave-assisted extraction, chemical characterization of polysaccharides from Lilium davidii var. unicolor Salisb and its antioxidant activities evaluation. *Food Hydrocolloids*, **2013**, 31, 346-356	10.6	68
34	Synthesis of selenium-containing Artemisia sphaerocephala polysaccharides: Solution conformation and anti-tumor activities in vitro. *Carbohydrate Polymers*, **2016**, 152, 70-78	10.3	65
33	Structure-antioxidant relationships of sulfated galactomannan from guar gum. *International Journal of Biological Macromolecules*, **2010**, 46, 59-66	7.9	58
32	Evaluation of the improved properties of SBR/weathered coal modified bitumen containing carbon black. *Construction and Building Materials*, **2009**, 23, 2678-2687	6.7	54
31	Catalytic synthesis of sulfated polysaccharides. II: comparative studies of solution conformation and antioxidant activities. *Carbohydrate Polymers*, **2014**, 107, 221-31	10.3	44
30	Regioselective sulfation of Artemisia sphaerocephala polysaccharide: Solution conformation and antioxidant activities in vitro. *Carbohydrate Polymers*, **2016**, 136, 527-36	10.3	39
29	Synthesis and characterization of phosphorylated galactomannan: the effect of DS on solution conformation and antioxidant activities. *Carbohydrate Polymers*, **2014**, 113, 325-35	10.3	32
28	Structure and antioxidant activities of sulfated guar gum: homogeneous reaction using DMAP/DCC catalyst. *International Journal of Biological Macromolecules*, **2012**, 50, 1201-6	7.9	32
27	Structural features and hypoglycaemic effects of Cynomorium songaricum polysaccharides on STZ-induced rats. *Food Chemistry*, **2010**, 120, 443-451	8.5	31
26	An efficient approach to prepare sulfated polysaccharide and evaluation of anti-tumor activities in vitro. *Carbohydrate Polymers*, **2018**, 184, 366-375	10.3	30
25	Bioactivities and Chemical Constituents of Essential Oil Extracted from Artemisia anethoides Against Two Stored Product Insects. *Journal of Oleo Science*, **2017**, 66, 71-76	1.6	29
24	Synthesis and structural features of phosphorylated Artemisia sphaerocephala polysaccharide. *Carbohydrate Polymers*, **2018**, 181, 19-26	10.3	28
23	Microwave-assisted synthesis, structure and anti-tumor activity of selenized Artemisia sphaerocephala polysaccharide. *International Journal of Biological Macromolecules*, **2017**, 95, 1108-1118	7.9	25

22	Sulfation can enhance antitumor activities of Artemisia sphaerocephala polysaccharide in vitro and vivo. *International Journal of Biological Macromolecules*, **2018**, 107, 502-511	7.9	21
21	Regioselective synthesis of sulfated guar gum: comparative studies of structure and antioxidant activities. *International Journal of Biological Macromolecules*, **2013**, 62, 734-40	7.9	21
20	Efficient synthesis of polysaccharide with high selenium content mediated by imidazole-based acidic ionic liquids. *Carbohydrate Polymers*, **2019**, 203, 157-166	10.3	19
19	Regioselective sulfation of Artemisia sphaerocephala polysaccharide: Characterization of chemical structure. *Carbohydrate Polymers*, **2015**, 133, 320-7	10.3	18
18	Investigation on thermo-rheological properties and stability of SBR modified asphalts containing palygorskite clay. *Journal of Applied Polymer Science*, **2009**, 113, 2524-2535	2.9	17
17	Optimization of reaction conditions by RSM and structure characterization of sulfated locust bean gum. *Carbohydrate Polymers*, **2014**, 114, 375-383	10.3	16
16	Synthesis of Se-polysaccharide mediated by selenium oxychloride: Structure features and antiproliferative activity. *Carbohydrate Polymers*, **2020**, 246, 116545	10.3	15
15	Preparation and properties of organic palygorskite SBR/organic palygorskite compound and asphalt modified with the compound. *Construction and Building Materials*, **2008**, 22, 1820-1830	6.7	15
14	Sphallerocarpus gracilis polysaccharide protects pancreatic □cells via regulation of the bax/bcl-2, caspase-3, pdx-1 and insulin signalling pathways. *International Journal of Biological Macromolecules*, **2016**, 93, 829-836	7.9	15
13	Catalytic synthesis of sulfated polysaccharides I: Characterization of chemical structure. *International Journal of Biological Macromolecules*, **2015**, 74, 61-7	7.9	14
12	Synthesis and structure characterization of sulfated galactomannan from fenugreek gum. *International Journal of Biological Macromolecules*, **2019**, 125, 1184-1191	7.9	14
11	Regioselective synthesis and antioxidant activities of phosphorylated guar gum. *International Journal of Biological Macromolecules*, **2013**, 62, 741-747	7.9	12
10	[HNMP]HSO catalyzed synthesis of selenized polysaccharide and its immunomodulatory effect on RAW264.7 cells via MAPKs pathway. *International Journal of Biological Macromolecules*, **2020**, 160, 1066-1077	7.9	11
9	Purification, structure and anti-oxidation of polysaccharides from the fruit of Bobr.. *RSC Advances*, **2018**, 8, 11731-11743	3.7	10
8	Prediction of drug-induced eosinophilia adverse effect by using SVM and na□e Bayesian approaches. *Medical and Biological Engineering and Computing*, **2016**, 54, 361-9	3.1	8
7	Preparation and characterization of sulfated galactomannan from guar gum: Optimization of reaction conditions by BBD and molecule conformational studies. *Journal of the Taiwan Institute of Chemical Engineers*, **2012**, 43, 889-896	5.3	8
6	A comparative study of sulfated tara gum: RSM optimization and structural characterization. *International Journal of Biological Macromolecules*, **2020**, 150, 189-199	7.9	5
5	The sulfated modification and antioxidative activity of polysaccharides from Potentilla anserine L. *New Journal of Chemistry*, **2020**, 44, 4726-4735	3.6	2

4	The role of Se content in improving anti-tumor activities and its potential mechanism for selenized polysaccharides. *Food and Function*, **2021**, 12, 2058-2074	6.1	2
3	Preparation and characterization of Artemisia sphaerocephala gum composite hydrogels: evaluation of rheological and release behaviour. *New Journal of Chemistry*, **2019**, 43, 2434-2437	3.6	1
2	Deep eutectic solvents boosting solubilization and Se-functionalization of heteropolysaccharide: Multiple hydrogen bonds modulation.. *Carbohydrate Polymers*, **2022**, 284, 119159	10.3	1
1	Acid site-regulated solid acids for polysaccharide Se-functionalization: Structural explanations for high reactivity. *Carbohydrate Polymers*, **2021**, 251, 117028	10.3	0