

Wang Long

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

1,196
citations

19
h-index

34
g-index

40
ext. papers

1,375
ext. citations

7.6
avg, IF

4.13
L-index

#	Paper	IF	Citations
39	Deep eutectic solvents boosting solubilization and Se-functionalization of heteropolysaccharide: Multiple hydrogen bonds modulation.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119159	10.3	1
38	Acid site-regulated solid acids for polysaccharide Se-functionalization: Structural explanations for high reactivity. <i>Carbohydrate Polymers</i> , 2021 , 251, 117028	10.3	0
37	The role of Se content in improving anti-tumor activities and its potential mechanism for selenized polysaccharides. <i>Food and Function</i> , 2021 , 12, 2058-2074	6.1	2
36	Synthesis of Se-polysaccharide mediated by selenium oxychloride: Structure features and antiproliferative activity. <i>Carbohydrate Polymers</i> , 2020 , 246, 116545	10.3	15
35	[HNMP]HSO catalyzed synthesis of selenized polysaccharide and its immunomodulatory effect on RAW264.7 cells via MAPKs pathway. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 1066-1077	7.9	11
34	The sulfated modification and antioxidative activity of polysaccharides from <i>Potentilla anserine</i> L. <i>New Journal of Chemistry</i> , 2020 , 44, 4726-4735	3.6	2
33	A comparative study of sulfated tara gum: RSM optimization and structural characterization. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 189-199	7.9	5
32	Preparation and characterization of <i>Artemisia sphaerocephala</i> gum composite hydrogels: evaluation of rheological and release behaviour. <i>New Journal of Chemistry</i> , 2019 , 43, 2434-2437	3.6	1
31	Synthesis and structure characterization of sulfated galactomannan from fenugreek gum. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 1184-1191	7.9	14
30	Efficient synthesis of polysaccharide with high selenium content mediated by imidazole-based acidic ionic liquids. <i>Carbohydrate Polymers</i> , 2019 , 203, 157-166	10.3	19
29	An efficient approach to prepare sulfated polysaccharide and evaluation of anti-tumor activities in vitro. <i>Carbohydrate Polymers</i> , 2018 , 184, 366-375	10.3	30
28	Purification, structure and anti-oxidation of polysaccharides from the fruit of <i>Bobr.</i> . <i>RSC Advances</i> , 2018 , 8, 11731-11743	3.7	10
27	Synthesis and structural features of phosphorylated <i>Artemisia sphaerocephala</i> polysaccharide. <i>Carbohydrate Polymers</i> , 2018 , 181, 19-26	10.3	28
26	Sulfation can enhance antitumor activities of <i>Artemisia sphaerocephala</i> polysaccharide in vitro and vivo. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 502-511	7.9	21
25	Bioactivities and Chemical Constituents of Essential Oil Extracted from <i>Artemisia anethoides</i> Against Two Stored Product Insects. <i>Journal of Oleo Science</i> , 2017 , 66, 71-76	1.6	29
24	Microwave-assisted synthesis, structure and anti-tumor activity of selenized <i>Artemisia sphaerocephala</i> polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 1108-1118	7.9	25
23	Prediction of drug-induced eosinophilia adverse effect by using SVM and naïve Bayesian approaches. <i>Medical and Biological Engineering and Computing</i> , 2016 , 54, 361-9	3.1	8

22	Regioselective sulfation of <i>Artemisia sphaerocephala</i> polysaccharide: Solution conformation and antioxidant activities in vitro. <i>Carbohydrate Polymers</i> , 2016 , 136, 527-36	10.3	39
21	<i>Sphallerocarpus gracilis</i> polysaccharide protects pancreatic β cells via regulation of the bax/bcl-2, caspase-3, pdx-1 and insulin signalling pathways. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 829-836	7.9	15
20	Synthesis of selenium-containing <i>Artemisia sphaerocephala</i> polysaccharides: Solution conformation and anti-tumor activities in vitro. <i>Carbohydrate Polymers</i> , 2016 , 152, 70-78	10.3	65
19	Regioselective sulfation of <i>Artemisia sphaerocephala</i> polysaccharide: Characterization of chemical structure. <i>Carbohydrate Polymers</i> , 2015 , 133, 320-7	10.3	18
18	Catalytic synthesis of sulfated polysaccharides I: Characterization of chemical structure. <i>International Journal of Biological Macromolecules</i> , 2015 , 74, 61-7	7.9	14
17	Synthesis and characterization of phosphorylated galactomannan: the effect of DS on solution conformation and antioxidant activities. <i>Carbohydrate Polymers</i> , 2014 , 113, 325-35	10.3	32
16	Optimization of reaction conditions by RSM and structure characterization of sulfated locust bean gum. <i>Carbohydrate Polymers</i> , 2014 , 114, 375-383	10.3	16
15	Catalytic synthesis of sulfated polysaccharides. II: comparative studies of solution conformation and antioxidant activities. <i>Carbohydrate Polymers</i> , 2014 , 107, 221-31	10.3	44
14	Regioselective synthesis and antioxidant activities of phosphorylated guar gum. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 741-747	7.9	12
13	Regioselective synthesis of sulfated guar gum: comparative studies of structure and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 734-40	7.9	21
12	Microwave-assisted extraction, chemical characterization of polysaccharides from <i>Lilium davidii</i> var. <i>unicolor</i> Salisb and its antioxidant activities evaluation. <i>Food Hydrocolloids</i> , 2013 , 31, 346-356	10.6	68
11	Preparation and characterization of sulfated galactomannan from guar gum: Optimization of reaction conditions by BBD and molecule conformational studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012 , 43, 889-896	5.3	8
10	Structure and antioxidant activities of sulfated guar gum: homogeneous reaction using DMAP/DCC catalyst. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 1201-6	7.9	32
9	Synthesis of selenium-containing polysaccharides and evaluation of antioxidant activity in vitro. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 987-91	7.9	73
8	Structure-antioxidant relationships of sulfated galactomannan from guar gum. <i>International Journal of Biological Macromolecules</i> , 2010 , 46, 59-66	7.9	58
7	A comparison study on microwave-assisted extraction of <i>Potentilla anserina</i> L. polysaccharides with conventional method: Molecule weight and antioxidant activities evaluation. <i>Carbohydrate Polymers</i> , 2010 , 80, 84-93	10.3	131
6	Sulfated modification, characterization and structure-antioxidant relationships of <i>Artemisia sphaerocephala</i> polysaccharides. <i>Carbohydrate Polymers</i> , 2010 , 81, 897-905	10.3	133
5	Structural features and hypoglycaemic effects of <i>Cynomorium songaricum</i> polysaccharides on STZ-induced rats. <i>Food Chemistry</i> , 2010 , 120, 443-451	8.5	31

4	Investigation on thermo-rheological properties and stability of SBR modified asphalts containing palygorskite clay. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 2524-2535	2.9	17
3	Evaluation of the improved properties of SBR/weathered coal modified bitumen containing carbon black. <i>Construction and Building Materials</i> , 2009 , 23, 2678-2687	6.7	54
2	A comparison study on microwave-assisted extraction of <i>Artemisia sphaerocephala</i> polysaccharides with conventional method: Molecule structure and antioxidant activities evaluation. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 483-92	7.9	79
1	Preparation and properties of organic palygorskite SBR/organic palygorskite compound and asphalt modified with the compound. <i>Construction and Building Materials</i> , 2008 , 22, 1820-1830	6.7	15