

Jianhong Yang

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56
papers

2,884
citations

32
h-index

53
g-index

56
ext. papers

3,097
ext. citations

6.4
avg, IF

4.61
L-index

#	Paper	IF	Citations
56	Solubility and property of chitin in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2007 , 70, 451-458	10.3	179
55	Preparation, characterization and antimicrobial activity of quaternized carboxymethyl chitosan and application as pulp-cap. <i>Polymer</i> , 2006 , 47, 1796-1804	3.9	179
54	Preparation, characterization and antimicrobial activity of chitosan/layered silicate nanocomposites. <i>Polymer</i> , 2006 , 47, 6738-6744	3.9	164
53	Preparation and properties of alginate/carboxymethyl chitosan blend fibers. <i>Carbohydrate Polymers</i> , 2006 , 65, 447-452	10.3	124
52	Preparation and characterisation of low molecular weight chitosan and chito-oligomers by a commercial enzyme. <i>Polymer Degradation and Stability</i> , 2005 , 87, 441-448	4.7	116
51	Synthesis, characterization and antibacterial activity of guanidinylated chitosan. <i>Carbohydrate Polymers</i> , 2007 , 67, 66-72	10.3	106
50	Preparation of lacquer polysaccharide sulfates and their antioxidant activity in vitro. <i>Carbohydrate Polymers</i> , 2008 , 73, 322-331	10.3	106
49	Influence of functional groups on the in vitro anticoagulant activity of chitosan sulfate. <i>Carbohydrate Research</i> , 2003 , 338, 483-9	2.9	105
48	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2012 , 89, 307-13	10.3	96
47	Chemical modification, characterization and structure-anticoagulant activity relationships of Chinese lacquer polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2002 , 31, 55-62	7.9	93
46	Enhanced bacterial inhibition activity of layer-by-layer structured polysaccharide film-coated cellulose nanofibrous mats via addition of layered silicate. <i>Carbohydrate Polymers</i> , 2011 , 83, 239-245	10.3	91
45	A novel biopolymer/rectorite nanocomposite with antimicrobial activity. <i>Carbohydrate Polymers</i> , 2009 , 77, 449-456	10.3	86
44	Self-aggregation and antibacterial activity of N-acylated chitosan. <i>Polymer</i> , 2007 , 48, 3098-3106	3.9	79
43	Rheological behaviour of chitin in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2011 , 83, 1128-1133	10.3	77
42	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. <i>Carbohydrate Polymers</i> , 2010 , 82, 706-713	10.3	72
41	Effect of degree of substitution and molecular weight of carboxymethyl chitosan nanoparticles on doxorubicin delivery. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4689-4696	2.9	72
40	Enzymatic preparation of chitosan from the waste <i>Aspergillus niger</i> mycelium of citric acid production plant. <i>Carbohydrate Polymers</i> , 2006 , 64, 151-157	10.3	70

39	A new green technology for direct production of low molecular weight chitosan. <i>Carbohydrate Polymers</i> , 2008 , 74, 127-132	10.3	68
38	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. <i>Carbohydrate Polymers</i> , 2011 , 83, 973-978	10.3	67
37	Effect of chitosan coating on respiratory behavior and quality of stored litchi under ambient temperature. <i>Journal of Food Engineering</i> , 2011 , 102, 94-99	6	66
36	Sulfation of Chinese lacquer polysaccharides in different solvents. <i>Carbohydrate Polymers</i> , 2003 , 52, 397-403	10.3	60
35	Preparation of alginate/soy protein isolate blend fibers through a novel coagulating bath. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 425-431	2.9	58
34	Chitosan/starch fibers and their properties for drug controlled release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 66, 398-404	5.7	54
33	The structure-anticoagulant activity relationships of sulfated lacquer polysaccharide: effect of carboxyl group and position of sulfation. <i>International Journal of Biological Macromolecules</i> , 2005 , 36, 9-15	7.9	54
32	Alginate/polyethylene glycol blend fibers and their properties for drug controlled release. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 82, 122-8	5.4	52
31	Preparation, characterization and in vitro anticoagulant activity of highly sulfated chitosan. <i>International Journal of Biological Macromolecules</i> , 2013 , 52, 25-31	7.9	51
30	Preparation, characterization, and antimicrobial activity of quaternized chitosan/organic montmorillonite nanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 384-90	5.4	49
29	Dilute solution properties of four natural chitin in NaOH/urea aqueous system. <i>Carbohydrate Polymers</i> , 2010 , 80, 970-976	10.3	47
28	Purification and characterization of chitin deacetylase from <i>Scopulariopsis brevicaulis</i> . <i>Carbohydrate Polymers</i> , 2006 , 65, 211-217	10.3	42
27	Chitosan/polyethylene glycol blend fibers and their properties for drug controlled release. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 85, 881-7	5.4	40
26	Chemical modification and antitumour activity of Chinese lacquer polysaccharide from lac tree <i>Rhus vernicifera</i> . <i>Carbohydrate Polymers</i> , 2005 , 59, 101-107	10.3	34
25	Chemical modification, characterization and bioactivity of Chinese lacquer polysaccharides from lac tree <i>Rhus vernicifera</i> against leukopenia induced by cyclophosphamide. <i>Carbohydrate Polymers</i> , 2003 , 52, 405-410	10.3	32
24	Preparation, characterization and antimicrobial activity of 6-amino-6-deoxychitosan. <i>Carbohydrate Polymers</i> , 2012 , 87, 202-209	10.3	31
23	Construction and characterisation of a heparan sulphate heptasaccharide microarray. <i>Chemical Communications</i> , 2017 , 53, 1743-1746	5.8	29
22	Preparation, characterization and anticoagulant activity in vitro of heparin-like 6-carboxylchitin derivative. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 1158-64	7.9	24

21	Thermal polymerization of lacquer sap and its effects on the properties of lacquer film. <i>Progress in Organic Coatings</i> , 2016 , 94, 41-48	4.8	23
20	Preparation and in vitro antioxidant activity of lacquer polysaccharides with low molecular weights and their sulfated derivatives. <i>International Journal of Biological Macromolecules</i> , 2010 , 46, 140-4	7.9	22
19	Structural Analysis of Polysaccharides in Chinese Lacquer by NMR Spectroscopy.. <i>Journal of Fiber Science and Technology</i> , 1999 , 55, 47-56	0	21
18	Preparation and in vitro antioxidant activities of 6-amino-6-deoxychitosan and its sulfonated derivatives. <i>Biopolymers</i> , 2015 , 103, 539-49	2.2	20
17	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 485-96	3.5	20
16	Effects of polysaccharides on the properties of Chinese lacquer sap. <i>Progress in Organic Coatings</i> , 2015 , 78, 176-182	4.8	19
15	Preparation and Properties of Alginate/Water-Soluble Chitin Blend Fibers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005 , 42, 723-732	2.2	19
14	Immobilization of a nonspecific chitosan hydrolytic enzyme for application in preparation of water-soluble low-molecular-weight chitosan. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 1334-1339	2.9	13
13	Aerobic alcohol oxidation catalyzed by CuO-rectorite/TEMPO in water. <i>Research on Chemical Intermediates</i> , 2019 , 45, 549-561	2.8	10
12	Promotion by copper (II)-modified montmorillonite of the drying property of oriental lacquer sap. <i>Progress in Organic Coatings</i> , 2018 , 118, 72-81	4.8	8
11	Prepolymerization of Lacquer Sap under Pure Oxygen Atmosphere and Its Effects on the Properties of Lacquer Film. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-8	2.4	8
10	Influences of maleic reactive surfactants with different EO chain lengths on the properties of the acrylate latices 2015 , 12, 1041-1052		5
9	Efficient photodegradation of 4,4'-(propane-2,2-diyl)diphenol over biomolecule modified titanium dioxide under visible light irradiation. <i>Catalysis Communications</i> , 2011 , 16, 7-10	3.2	5
8	Lacquer sap with reactive maleic hemiester surfactant-modified phase interface and its properties. <i>Progress in Organic Coatings</i> , 2015 , 87, 138-145	4.8	4
7	Polymerization mechanism of natural lacquer sap with special phase structure. <i>Scientific Reports</i> , 2020 , 10, 12867	4.9	4
6	Laccase-catalyzed polymerization drying of Chinese lacquer sap with TiO ₂ nanoparticles. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45865	2.9	3
5	Preparation of guanidinylated carboxymethyl chitosan and its application in the diffusive gradients in thin films (DGT) technique for measuring labile trace metals in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2018 , 98, 1275-1291	1.8	3
4	Structural characterization and antimicrobial activity of chitosan (CS-40)/nisin complexes. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	2

3	Preparation of 6-carboxyl chitin and its effects on cell proliferation in vitro. <i>Carbohydrate Polymers</i> , 2021 , 257, 117638	10.3	1
2	Preparation in presence of urushiol and properties of acrylate latex with interparticle bridges 2018 , 15, 819-830		1
1	Heterogeneous Fenton-like oxidative degradation of sulfanilamide catalyzed by RuO ₂ -rectorite composite. <i>Research on Chemical Intermediates</i> , 2021 , 47, 4595	2.8	0