

Jianhong Yang

List of Publications by Year in descending order

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56
papers

3,356
citations

117453

34
h-index

149479

56
g-index

56
all docs

56
docs citations

56
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization and antimicrobial activity of quaternized carboxymethyl chitosan and application as pulp-cap. <i>Polymer</i> , 2006, 47, 1796-1804.	1.8	212
2	Solubility and property of chitin in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2007, 70, 451-458.	5.1	205
3	Preparation, characterization and antimicrobial activity of chitosan/layered silicate nanocomposites. <i>Polymer</i> , 2006, 47, 6738-6744.	1.8	178
4	Preparation and properties of alginate/carboxymethyl chitosan blend fibers. <i>Carbohydrate Polymers</i> , 2006, 65, 447-452.	5.1	146
5	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.	2.7	128
6	Synthesis, characterization and antibacterial activity of guanidinylated chitosan. <i>Carbohydrate Polymers</i> , 2007, 67, 66-72.	5.1	127
7	Preparation of lacquer polysaccharide sulfates and their antioxidant activity in vitro. <i>Carbohydrate Polymers</i> , 2008, 73, 322-331.	5.1	118
8	Influence of functional groups on the in vitro anticoagulant activity of chitosan sulfate. <i>Carbohydrate Research</i> , 2003, 338, 483-489.	1.1	113
9	Chemical modification, characterization and structure-anticoagulant activity relationships of Chinese lacquer polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2002, 31, 55-62.	3.6	108
10	A novel biopolymer/rectorite nanocomposite with antimicrobial activity. <i>Carbohydrate Polymers</i> , 2009, 77, 449-456.	5.1	102
11	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2012, 89, 307-313.	5.1	102
12	Self-aggregation and antibacterial activity of N-acylated chitosan. <i>Polymer</i> , 2007, 48, 3098-3106.	1.8	94
13	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.	5.1	94
14	Rheological behaviour of chitin in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2011, 83, 1128-1133.	5.1	84
15	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. <i>Carbohydrate Polymers</i> , 2010, 82, 706-713.	5.1	83
16	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.	5.1	82
17	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.	1.3	81
18	A new green technology for direct production of low molecular weight chitosan. <i>Carbohydrate Polymers</i> , 2008, 74, 127-132.	5.1	78

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19	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.	2.7	76
20	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. <i>Carbohydrate Polymers</i> , 2011, 83, 973-978.	5.1	70
21	Preparation of alginate/soy protein isolate blend fibers through a novel coagulating bath. <i>Journal of Applied Polymer Science</i> , 2006, 101, 425-431.	1.3	65
22	Sulfation of Chinese lacquer polysaccharides in different solvents. <i>Carbohydrate Polymers</i> , 2003, 52, 397-403.	5.1	64
23	Chitosan/starch fibers and their properties for drug controlled release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 398-404.	2.0	61
24	Preparation, characterization and in vitro anticoagulant activity of highly sulfated chitosan. <i>International Journal of Biological Macromolecules</i> , 2013, 52, 25-31.	3.6	61
25	Alginate/polyethylene glycol blend fibers and their properties for drug controlled release. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 122-128.	2.1	60
26	Chitosan/polyethylene glycol blend fibers and their properties for drug controlled release. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 881-887.	2.1	60
27	The structure-anticoagulant activity relationships of sulfated lacquer polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2005, 36, 9-15.	3.6	59
28	Preparation, characterization, and antimicrobial activity of quaternized chitosan/organic montmorillonite nanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 384-390.	2.1	59
29	Purification and characterization of chitin deacetylase from <i>Scopulariopsis brevicaulis</i> . <i>Carbohydrate Polymers</i> , 2006, 65, 211-217.	5.1	56
30	Dilute solution properties of four natural chitin in NaOH/urea aqueous system. <i>Carbohydrate Polymers</i> , 2010, 80, 970-976.	5.1	50
31	Construction and characterisation of a heparan sulphate heptasaccharide microarray. <i>Chemical Communications</i> , 2017, 53, 1743-1746.	2.2	40
32	Chemical modification and antitumour activity of Chinese lacquer polysaccharide from lac tree <i>Rhus vernicifera</i> . <i>Carbohydrate Polymers</i> , 2005, 59, 101-107.	5.1	38
33	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.	5.1	37
34	Preparation, characterization and antimicrobial activity of 6-amino-6-deoxychitosan. <i>Carbohydrate Polymers</i> , 2012, 87, 202-209.	5.1	36
35	Thermal polymerization of lacquer sap and its effects on the properties of lacquer film. <i>Progress in Organic Coatings</i> , 2016, 94, 41-48.	1.9	35
36	Preparation, characterization and anticoagulant activity in vitro of heparin-like 6-carboxylchitin derivative. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1158-1164.	3.6	30

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37	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, 140-144.	3.6	26
38	Effects of polysaccharides on the properties of Chinese lacquer sap. <i>Progress in Organic Coatings</i> , 2015, 78, 176-182.	1.9	26
39	Structural Analysis of Polysaccharides in Chinese Lacquer by NMR Spectroscopy.. <i>Journal of Fiber Science and Technology</i> , 1999, 55, 47-56.	0.0	25
40	Preparation and <i>in vitro</i> antioxidant activities of 6-aminodeoxychitosan and its sulfonated derivatives. <i>Biopolymers</i> , 2015, 103, 539-549.	1.2	23
41	Preparation and Properties of Alginate/Water-Soluble Chitin Blend Fibers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 723-732.	1.2	21
42	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 485-496.	1.9	21
43	Promotion by copper (II)-modified montmorillonite of the drying property of oriental lacquer sap. <i>Progress in Organic Coatings</i> , 2018, 118, 72-81.	1.9	20
44	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.	1.3	17
45	Polymerization mechanism of natural lacquer sap with special phase structure. <i>Scientific Reports</i> , 2020, 10, 12867.	1.6	13
46	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.	1.2	12
47	Aerobic alcohol oxidation catalyzed by CuO-rectorite/TEMPO in water. <i>Research on Chemical Intermediates</i> , 2019, 45, 549-561.	1.3	11
48	Structural characterization and antimicrobial activity of chitosan (CS40)/nisin complexes. <i>Journal of Applied Polymer Science</i> , 2010, 116, 3702-3707.	1.3	9
49	Lacquer sap with reactive maleic hemiester surfactant-modified phase interface and its properties. <i>Progress in Organic Coatings</i> , 2015, 87, 138-145.	1.9	9
50	Influences of maleic reactive surfactants with different EO chain lengths on the properties of the acrylate latices. <i>Journal of Coatings Technology Research</i> , 2015, 12, 1041-1052.	1.2	6
51	Laccase-catalyzed polymerization drying of Chinese lacquer sap with TiO ₂ nanoparticles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45865.	1.3	6
52	Heterogeneous Fenton-like oxidative degradation of sulfanilamide catalyzed by RuO ₂ -rectorite composite. <i>Research on Chemical Intermediates</i> , 2021, 47, 4595-4611.	1.3	6
53	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.	1.6	5
54	Preparation of 6-carboxyl chitin and its effects on cell proliferation in vitro. <i>Carbohydrate Polymers</i> , 2021, 257, 117638.	5.1	4

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55	Preparation of guanidinylated carboxymethyl chitosan and its application in the diffusive gradients in thin films (DGT) technique for measuring labile trace metals in water. International Journal of Environmental Analytical Chemistry, 2018, 98, 1275-1291.	1.8	3
56	Preparation in presence of urushiol and properties of acrylate latex with interparticle bridges. Journal of Coatings Technology Research, 2018, 15, 819-830.	1.2	1