Jianhong Yang

List of Publications by Year in Descending Order

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	Preparation of 6-carboxyl chitin and its effects on cell proliferation in vitro. *Carbohydrate Polymers*, **2021**, 257, 117638	10.3	1
55	Heterogeneous Fenton-like oxidative degradation of sulfanilamide catalyzed by RuO2-rectorite composite. *Research on Chemical Intermediates*, **2021**, 47, 4595	2.8	0
54	Polymerization mechanism of natural lacquer sap with special phase structure. *Scientific Reports*, **2020**, 10, 12867	4.9	4
53	Aerobic alcohol oxidation catalyzed by CuO-rectorite/TEMPO in water. *Research on Chemical Intermediates*, **2019**, 45, 549-561	2.8	10
52	Promotion by copper (II)-modified montmorillonite of the drying property of oriental lacquer sap. *Progress in Organic Coatings*, **2018**, 118, 72-81	4.8	8
51	Laccase-catalyzed polymerization drying of Chinese lacquer sap with TiO2 nanoparticles. *Journal of Applied Polymer Science*, **2018**, 135, 45865	2.9	3
50	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
49	Preparation in presence of urushiol and properties of acrylate latex with interparticle bridges **2018**, 15, 819-830		1
48	Construction and characterisation of a heparan sulphate heptasaccharide microarray. *Chemical Communications*, **2017**, 53, 1743-1746	5.8	29
47	Thermal polymerization of lacquer sap and its effects on the properties of lacquer film. *Progress in Organic Coatings*, **2016**, 94, 41-48	4.8	23
46	Effects of polysaccharides on the properties of Chinese lacquer sap. *Progress in Organic Coatings*, **2015**, 78, 176-182	4.8	19
45	Influences of maleic reactive surfactants with different EO chain lengths on the properties of the acrylate latices **2015**, 12, 1041-1052		5
44	Preparation and in vitro antioxidant activities of 6-amino-6-deoxychitosan and its sulfonated derivatives. *Biopolymers*, **2015**, 103, 539-49	2.2	20
43	Prepolymerization of Lacquer Sap under Pure Oxygen Atmosphere and Its Effects on the Properties of Lacquer Film. *International Journal of Polymer Science*, **2015**, 2015, 1-8	2.4	8
42	Lacquer sap with reactive maleic hemiester surfactant-modified phase interface and its properties. *Progress in Organic Coatings*, **2015**, 87, 138-145	4.8	4
41	Preparation, characterization and in vitro anticoagulant activity of highly sulfated chitosan. *International Journal of Biological Macromolecules*, **2013**, 52, 25-31	7.9	51
40	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 485-96	3.5	20

39	Preparation, characterization and anticoagulant activity in vitro of heparin-like 6-carboxylchitin derivative. *International Journal of Biological Macromolecules*, **2012**, 50, 1158-64	7.9	24
38	Preparation, characterization and antimicrobial activity of 6-amino-6-deoxychitosan. *Carbohydrate Polymers*, **2012**, 87, 202-209	10.3	31
37	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. *Carbohydrate Polymers*, **2012**, 89, 307-13	10.3	96
36	Efficient photodegradation of 4,4?-(propane-2,2-diyl)diphenol over biomolecule modified titanium dioxide under visible light irradiation. *Catalysis Communications*, **2011**, 16, 7-10	3.2	5
35	Enhanced bacterial inhibition activity of layer-by-layer structured polysaccharide film-coated cellulose nanofibrous mats via addition of layered silicate. *Carbohydrate Polymers*, **2011**, 83, 239-245	10.3	91
34	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. *Carbohydrate Polymers*, **2011**, 83, 973-978	10.3	67
33	Rheological behaviour of chitin in NaOH/urea aqueous solution. *Carbohydrate Polymers*, **2011**, 83, 1128-1133	10.3	77
32	Effect of chitosan coating on respiratory behavior and quality of stored litchi under ambient temperature. *Journal of Food Engineering*, **2011**, 102, 94-99	6	66
31	Preparation and in vitro antioxidant activity of lacquer polysaccharides with low molecular weights and their sulfated derivatives. *International Journal of Biological Macromolecules*, **2010**, 46, 140-4	7.9	22
30	Dilute solution properties of four natural chitin in NaOH/urea aqueous system. *Carbohydrate Polymers*, **2010**, 80, 970-976	10.3	47
29	Structural characterization and antimicrobial activity of chitosan (CS-40)/nisin complexes. *Journal of Applied Polymer Science*, **2010**, 116, NA-NA	2.9	2
28	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. *Carbohydrate Polymers*, **2010**, 82, 706-713	10.3	72
27	A novel biopolymer/rectorite nanocomposite with antimicrobial activity. *Carbohydrate Polymers*, **2009**, 77, 449-456	10.3	86
26	Preparation, characterization, and antimicrobial activity of quaternized chitosan/organic montmorillonite nanocomposites. *Journal of Biomedical Materials Research - Part A*, **2008**, 84, 384-90	5.4	49
25	Chitosan/polyethylene glycol blend fibers and their properties for drug controlled release. *Journal of Biomedical Materials Research - Part A*, **2008**, 85, 881-7	5.4	40
24	Preparation of lacquer polysaccharide sulfates and their antioxidant activity in vitro. *Carbohydrate Polymers*, **2008**, 73, 322-331	10.3	106
23	A new green technology for direct production of low molecular weight chitosan. *Carbohydrate Polymers*, **2008**, 74, 127-132	10.3	68
22	Alginate/polyethylene glycol blend fibers and their properties for drug controlled release. *Journal of Biomedical Materials Research - Part A*, **2007**, 82, 122-8	5.4	52

21	Synthesis, characterization and antibacterial activity of guanidinylated chitosan. *Carbohydrate Polymers*, **2007**, 67, 66-72	10.3	106
20	Solubility and property of chitin in NaOH/urea aqueous solution. *Carbohydrate Polymers*, **2007**, 70, 451-458	10.3	179
19	Self-aggregation and antibacterial activity of N-acylated chitosan. *Polymer*, **2007**, 48, 3098-3106	3.9	79
18	Chitosan/starch fibers and their properties for drug controlled release. *European Journal of Pharmaceutics and Biopharmaceutics*, **2007**, 66, 398-404	5.7	54
17	Preparation of alginate/soy protein isolate blend fibers through a novel coagulating bath. *Journal of Applied Polymer Science*, **2006**, 101, 425-431	2.9	58
16	Immobilization of a nonspecific chitosan hydrolytic enzyme for application in preparation of water-soluble low-molecular-weight chitosan. *Journal of Applied Polymer Science*, **2006**, 101, 1334-1339	2.9	13
15	Effect of degree of substitution and molecular weight of carboxymethyl chitosan nanoparticles on doxorubicin delivery. *Journal of Applied Polymer Science*, **2006**, 100, 4689-4696	2.9	72
14	Enzymatic preparation of chitosan from the waste Aspergillus niger mycelium of citric acid production plant. *Carbohydrate Polymers*, **2006**, 64, 151-157	10.3	70
13	Purification and characterization of chitin deacetylase from Scopulariopsis brevicaulis. *Carbohydrate Polymers*, **2006**, 65, 211-217	10.3	42
12	Preparation and properties of alginate/carboxymethyl chitosan blend fibers. *Carbohydrate Polymers*, **2006**, 65, 447-452	10.3	124
11	Preparation, characterization and antimicrobial activity of quaternized carboxymethyl chitosan and application as pulp-cap. *Polymer*, **2006**, 47, 1796-1804	3.9	179
10	Preparation, characterization and antimicrobial activity of chitosan/layered silicate nanocomposites. *Polymer*, **2006**, 47, 6738-6744	3.9	164
9	The structure-anticoagulant activity relationships of sulfated lacquer polysaccharide: effect of carboxyl group and position of sulfation. *International Journal of Biological Macromolecules*, **2005**, 36, 9-15	7.9	54
8	Preparation and characterisation of low molecular weight chitosan and chito-oligomers by a commercial enzyme. *Polymer Degradation and Stability*, **2005**, 87, 441-448	4.7	116
7	Chemical modification and antitumour activity of Chinese lacquer polysaccharide from lac tree Rhus vernicifera. *Carbohydrate Polymers*, **2005**, 59, 101-107	10.3	34
6	Preparation and Properties of Alginate/Water-Soluble Chitin Blend Fibers. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2005**, 42, 723-732	2.2	19
5	Influence of functional groups on the in vitro anticoagulant activity of chitosan sulfate. *Carbohydrate Research*, **2003**, 338, 483-9	2.9	105
4	Sulfation of Chinese lacquer polysaccharides in different solvents. *Carbohydrate Polymers*, **2003**, 52, 397-403	10.3	60

3	Chemical modification, characterization and bioactivity of Chinese lacquer polysaccharides from lac tree Rhus vernicifera against leukopenia induced by cyclophosphamide. *Carbohydrate Polymers*, **2003**, 52, 405-410	10.3	32
2	Chemical modification, characterization and structure-anticoagulant activity relationships of Chinese lacquer polysaccharides. *International Journal of Biological Macromolecules*, **2002**, 31, 55-62	7.9	93
1	Structural Analysis of Polysaccharides in Chinese Lacquer by NMR Spectroscopy.. *Journal of Fiber Science and Technology*, **1999**, 55, 47-56	0	21