

Lina Zhang

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506
papers

31,525
citations

92
h-index

146
g-index

514
ext. papers

35,620
ext. citations

6.9
avg, IF

7.73
L-index

#	Paper	IF	Citations
506	Cellulose-based hydrogels: Present status and application prospects. <i>Carbohydrate Polymers</i> , 2011 , 84, 40-53	10.3	690
505	Rapid dissolution of cellulose in LiOH/urea and NaOH/urea aqueous solutions. <i>Macromolecular Bioscience</i> , 2005 , 5, 539-48	5.5	679
504	Recent advances in regenerated cellulose materials. <i>Progress in Polymer Science</i> , 2016 , 53, 169-206	29.6	564
503	Superabsorbent hydrogels based on cellulose for smart swelling and controllable delivery. <i>European Polymer Journal</i> , 2010 , 46, 92-100	5.2	556
502	A Hierarchical N/S-Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1501929	21.8	378
501	Unique gelation behavior of cellulose in NaOH/urea aqueous solution. <i>Biomacromolecules</i> , 2006 , 7, 183-9	9.9	355
500	Dynamic Self-Assembly Induced Rapid Dissolution of Cellulose at Low Temperatures. <i>Macromolecules</i> , 2008 , 41, 9345-9351	5.5	322
499	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. <i>Energy Storage Materials</i> , 2017 , 8, 161-168	19.4	316
498	Morphology and properties of soy protein isolate thermoplastics reinforced with chitin whiskers. <i>Biomacromolecules</i> , 2004 , 5, 1046-51	6.9	301
497	Cellulose aerogels from aqueous alkali hydroxide-urea solution. <i>ChemSusChem</i> , 2008 , 1, 149-54	8.3	289
496	High-Strength and High-Toughness Double-Cross-Linked Cellulose Hydrogels: A New Strategy Using Sequential Chemical and Physical Cross-Linking. <i>Advanced Functional Materials</i> , 2016 , 26, 6279-6287	15.6	281
495	Cellulose-silica nanocomposite aerogels by in situ formation of silica in cellulose gel. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2076-9	16.4	269
494	High effective adsorption of organic dyes on magnetic cellulose beads entrapping activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 171, 340-7	12.8	266
493	Advances in lentinan: Isolation, structure, chain conformation and bioactivities. <i>Food Hydrocolloids</i> , 2011 , 25, 196-206	10.6	264
492	Cellulose/chitin beads for adsorption of heavy metals in aqueous solution. <i>Water Research</i> , 2004 , 38, 2643-50	12.5	258
491	Adsorption isotherms and kinetics studies of malachite green on chitin hydrogels. <i>Journal of Hazardous Materials</i> , 2012 , 209-210, 218-25	12.8	249
490	Dissolution and regeneration of cellulose in NaOH/thiourea aqueous solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 1521-1529	2.6	232

489	Unique elastic N-doped carbon nanofibrous microspheres with hierarchical porosity derived from renewable chitin for high rate supercapacitors. <i>Nano Energy</i> , 2016 , 27, 482-491	17.1	229
488	Highly Efficient Self-Healable and Dual Responsive Cellulose-Based Hydrogels for Controlled Release and 3D Cell Culture. <i>Advanced Functional Materials</i> , 2017 , 27, 1703174	15.6	228
487	Correlation between antitumor activity, molecular weight, and conformation of lentinan. <i>Carbohydrate Research</i> , 2005 , 340, 1515-21	2.9	224
486	Ultra-Stretchable and Force-Sensitive Hydrogels Reinforced with Chitosan Microspheres Embedded in Polymer Networks. <i>Advanced Materials</i> , 2016 , 28, 8037-8044	24	220
485	Homogeneous quaternization of cellulose in NaOH/urea aqueous solutions as gene carriers. <i>Biomacromolecules</i> , 2008 , 9, 2259-64	6.9	219
484	Properties of films composed of cellulose nanowhiskers and a cellulose matrix regenerated from alkali/urea solution. <i>Biomacromolecules</i> , 2009 , 10, 1597-602	6.9	212
483	Mechanisms of lead biosorption on cellulose/chitin beads. <i>Water Research</i> , 2005 , 39, 3755-62	12.5	211
482	Interaction and properties of highly exfoliated soy protein/montmorillonite nanocomposites. <i>Biomacromolecules</i> , 2006 , 7, 1700-6	6.9	201
481	Swelling Behaviors of pH- and Salt-Responsive Cellulose-Based Hydrogels. <i>Macromolecules</i> , 2011 , 44, 1642-1648	5.5	196
480	Effects of cellulose whiskers on properties of soy protein thermoplastics. <i>Macromolecular Bioscience</i> , 2006 , 6, 524-31	5.5	194
479	Properties and applications of biodegradable transparent and photoluminescent cellulose films prepared via a green process. <i>Green Chemistry</i> , 2009 , 11, 177-184	10	193
478	High Strength Chitosan Hydrogels with Biocompatibility via New Avenue Based on Constructing Nanofibrous Architecture. <i>Macromolecules</i> , 2015 , 48, 2706-2714	5.5	191
477	Structure and properties of hydrogels prepared from cellulose in NaOH/urea aqueous solutions. <i>Carbohydrate Polymers</i> , 2010 , 82, 122-127	10.3	191
476	TiO ₂ Immobilized in Cellulose Matrix for Photocatalytic Degradation of Phenol under Weak UV Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7806-7811	3.8	190
475	Solubility of Cellulose in NaOH/Urea Aqueous Solution. <i>Polymer Journal</i> , 2000 , 32, 866-870	2.7	190
474	In situ synthesis of Fe ₃ O ₄ /cellulose microspheres with magnetic-induced protein delivery. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3538		189
473	On-Demand Dissolvable Self-Healing Hydrogel Based on Carboxymethyl Chitosan and Cellulose Nanocrystal for Deep Partial Thickness Burn Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41076-41088	9.5	189
472	Recent advances in chitin based materials constructed via physical methods. <i>Progress in Polymer Science</i> , 2018 , 82, 1-33	29.6	186

471	Dilute solution properties of cellulose in LiOH/urea aqueous system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 3093-3101	2.6	186
470	Flexible Electronics Based on Micro/Nanostructured Paper. <i>Advanced Materials</i> , 2018 , 30, e1801588	24	185
469	Transparent cellulose films with high gas barrier properties fabricated from aqueous alkali/urea solutions. <i>Biomacromolecules</i> , 2011 , 12, 2766-71	6.9	184
468	Preparation of copper nanoparticles coated cellulose films with antibacterial properties through one-step reduction. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2897-902	9.5	181
467	High-Flexibility, High-Toughness Double-Cross-Linked Chitin Hydrogels by Sequential Chemical and Physical Cross-Linkings. <i>Advanced Materials</i> , 2016 , 28, 5844-9	24	180
466	An effective and recyclable adsorbent for the removal of heavy metal ions from aqueous system: Magnetic chitosan/cellulose microspheres. <i>Bioresource Technology</i> , 2015 , 194, 403-6	11	179
465	Hydrophobic modification on surface of chitin sponges for highly effective separation of oil. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19933-42	9.5	175
464	Construction of cellulose based ZnO nanocomposite films with antibacterial properties through one-step coagulation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2597-606	9.5	173
463	Effects of temperature and molecular weight on dissolution of cellulose in NaOH/urea aqueous solution. <i>Cellulose</i> , 2008 , 15, 779-787	5.5	172
462	Novel hydrogels prepared via direct dissolution of chitin at low temperature: structure and biocompatibility. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3865		169
461	Green Fabrication of Amphiphilic Quaternized Chitin Derivatives with Excellent Biocompatibility and Antibacterial Activities for Wound Healing. <i>Advanced Materials</i> , 2018 , 30, e1801100	24	169
460	In situ synthesis of robust conductive cellulose/polypyrrole composite aerogels and their potential application in nerve regeneration. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5380-4	16.4	166
459	Structure and Properties of Regenerated Cellulose Films Prepared from Cotton Linters in NaOH/Urea Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 5923-5928	3.9	165
458	Effects of Crosslinking Methods on Structure and Properties of Cellulose/PVA Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1266-1273	2.6	163
457	Physicochemical properties and antitumor activities of water-soluble native and sulfated hyperbranched mushroom polysaccharides. <i>Carbohydrate Research</i> , 2006 , 341, 2261-9	2.9	163
456	Novel Fibers Prepared from Cellulose in NaOH/Urea Aqueous Solution. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1558-1562	4.8	151
455	Facile fabrication of superhydrophilic membranes consisted of fibrous tunicate cellulose nanocrystals for highly efficient oil/water separation. <i>Journal of Membrane Science</i> , 2017 , 525, 1-8	9.6	150
454	Hydrogen-bond-induced inclusion complex in aqueous cellulose/LiOH/urea solution at low temperature. <i>ChemPhysChem</i> , 2007 , 8, 1572-9	3.2	147

453	Highly biocompatible nanofibrous microspheres self-assembled from chitin in NaOH/urea aqueous solution as cell carriers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5152-6	16.4	140
452	Dissolution of cellulose in aqueous NaOH/urea solution: role of urea. <i>Cellulose</i> , 2014 , 21, 1183-1192	5.5	140
451	Strongly fluorescent hydrogels with quantum dots embedded in cellulose matrices. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7771		140
450	Hydrogels prepared from unsubstituted cellulose in NaOH/urea aqueous solution. <i>Macromolecular Bioscience</i> , 2007 , 7, 804-9	5.5	140
449	Intermolecular interaction and the extended wormlike chain conformation of chitin in NaOH/urea aqueous solution. <i>Biomacromolecules</i> , 2015 , 16, 1410-7	6.9	139
448	Facile preparation of robust and biocompatible chitin aerogels. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5801		139
447	Fabrication and characterization of novel macroporous cellulose/alginate hydrogels. <i>Polymer</i> , 2009 , 50, 5467-5473	3.9	132
446	CdS/Regenerated Cellulose Nanocomposite Films for Highly Efficient Photocatalytic H ₂ Production under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16021-16026	3.8	128
445	Correlation of structure to antitumor activities of five derivatives of a beta-glucan from <i>Poria cocos sclerotium</i> . <i>Carbohydrate Research</i> , 2004 , 339, 2567-74	2.9	127
444	High strength films with gas-barrier fabricated from chitin solution dissolved at low temperature. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1867-1874	13	125
443	Fiberlike Fe ₂ O ₃ Macroporous Nanomaterials Fabricated by Calcinating Regenerate Cellulose Composite Fibers. <i>Chemistry of Materials</i> , 2008 , 20, 3623-3628	9.6	125
442	Quaternized Chitosan/Poly(acrylic acid) Polyelectrolyte Complex Hydrogels with Tough, Self-Recovery, and Tunable Mechanical Properties. <i>Macromolecules</i> , 2016 , 49, 1049-1059	5.5	118
441	Chain conformation of water-insoluble hyperbranched polysaccharide from fungus. <i>Biomacromolecules</i> , 2007 , 8, 2321-8	6.9	114
440	Structure, molecular size and antitumor activities of polysaccharides from <i>Poria cocos</i> mycelia produced in fermenter. <i>Carbohydrate Polymers</i> , 2007 , 70, 324-333	10.3	111
439	Structure study of cellulose fibers wet-spun from environmentally friendly NaOH/urea aqueous solutions. <i>Biomacromolecules</i> , 2007 , 8, 1918-26	6.9	110
438	Effects of molecular structure on antitumor activities of (1->3)- β -D-glucans from different <i>Lentinus Edodes</i> . <i>Carbohydrate Polymers</i> , 2006 , 63, 97-104	10.3	110
437	Chain conformation and anti-tumor activities of phosphorylated (1->3)- β -D-glucan from <i>Poria cocos</i> . <i>Carbohydrate Polymers</i> , 2009 , 78, 581-587	10.3	109
436	Effects of coagulants on porous structure of membranes prepared from cellulose in NaOH/urea aqueous solution. <i>Journal of Membrane Science</i> , 2006 , 279, 246-255	9.6	109

435	Creation of highly stable selenium nanoparticles capped with hyperbranched polysaccharide in water. <i>Langmuir</i> , 2010 , 26, 17617-23	4	108
434	Structure and antitumor activities of the water-soluble polysaccharides from <i>Ganoderma tsugae</i> mycelium. <i>Carbohydrate Polymers</i> , 2005 , 59, 385-392	10.3	106
433	Bilayer hydrogel actuators with tight interfacial adhesion fully constructed from natural polysaccharides. <i>Soft Matter</i> , 2017 , 13, 345-354	3.6	105
432	AgBe3O4 nanocomposites@chitin microspheres constructed by in situ one-pot synthesis for rapid hydrogenation catalysis. <i>Green Chemistry</i> , 2014 , 16, 2835-2845	10	103
431	Immobilization of penicillin G acylase in epoxy-activated magnetic cellulose microspheres for improvement of biocatalytic stability and activities. <i>Biomacromolecules</i> , 2010 , 11, 2896-903	6.9	103
430	New evidences of glass transitions and microstructures of soy protein plasticized with glycerol. <i>Macromolecular Bioscience</i> , 2005 , 5, 237-45	5.5	103
429	A bioplastic with high strength constructed from a cellulose hydrogel by changing the aggregated structure. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6678	13	102
428	Fabrication and properties of chitin/hydroxyapatite hybrid hydrogels as scaffold nano-materials. <i>Carbohydrate Polymers</i> , 2013 , 91, 7-13	10.3	101
427	Chemical components and molecular mass of six polysaccharides isolated from the sclerotium of <i>Poria cocos</i> . <i>Carbohydrate Research</i> , 2004 , 339, 327-34	2.9	100
426	Effects of NCO/OH molar ratio on structure and properties of graft-interpenetrating polymer networks from polyurethane and nitrolignin. <i>Polymer</i> , 2002 , 43, 2287-2294	3.9	99
425	Advances in Proteinous Biomaterials. <i>Journal of Biobased Materials and Bioenergy</i> , 2008 , 2, 1-24	1.4	99
424	Strong and Rapidly Self-Healing Hydrogels: Potential Hemostatic Materials. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2813-2822	10.1	99
423	Thermal gelation of cellulose in a NaOH/thiourea aqueous solution. <i>Langmuir</i> , 2004 , 20, 2086-93	4	98
422	Ultrahigh Tough, Super Clear, and Highly Anisotropic Nanofiber-Structured Regenerated Cellulose Films. <i>ACS Nano</i> , 2019 , 13, 4843-4853	16.7	97
421	Structure and Properties of Cellulose/Fe2O3 Nanocomposite Fibers Spun via an Effective Pathway. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4538-4544	3.8	97
420	New solvents and functional materials prepared from cellulose solutions in alkali/urea aqueous system. <i>Food Research International</i> , 2013 , 52, 387-400	7	96
419	X-ray studies of regenerated cellulose fibers wet spun from cotton linter pulp in NaOH/thiourea aqueous solutions. <i>Polymer</i> , 2006 , 47, 2839-2848	3.9	96
418	Robust Anisotropic Cellulose Hydrogels Fabricated via Strong Self-aggregation Forces for Cardiomyocytes Unidirectional Growth. <i>Chemistry of Materials</i> , 2018 , 30, 5175-5183	9.6	94

4 ¹⁷	Branching structure and chain conformation of water-soluble glucan extracted from <i>Auricularia auricula-judae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3498-506	5.7	94
4 ¹⁶	Molecular weight and anti-tumor activity of the water-soluble polysaccharides isolated by hot water and ultrasonic treatment from the sclerotia and mycelia of <i>Pleurotus tuber-regium</i> . <i>Carbohydrate Polymers</i> , 2004 , 56, 123-128	10.3	94
4 ¹⁵	Cellulose/Silica Nanocomposite Aerogels by In Situ Formation of Silica in Cellulose Gel. <i>Angewandte Chemie</i> , 2012 , 124, 2118-2121	3.6	92
4 ¹⁴	Protein diffusion in agarose hydrogel in situ measured by improved refractive index method. <i>Journal of Controlled Release</i> , 2006 , 115, 189-96	11.7	91
4 ¹³	Improved flexibility and water resistance of soy protein thermoplastics containing waterborne polyurethane. <i>Industrial Crops and Products</i> , 2010 , 32, 13-20	5.9	90
4 ¹²	Structure and properties of novel fibers spun from cellulose in NaOH/thiourea aqueous solution. <i>Macromolecular Bioscience</i> , 2004 , 4, 1105-12	5.5	90
4 ¹¹	Construction of selenium nanoparticles/glucan composites for enhancement of the antitumor activity. <i>Carbohydrate Polymers</i> , 2015 , 117, 434-442	10.3	89
4 ¹⁰	Efficient adsorption of Hg ²⁺ ions on chitin/cellulose composite membranes prepared via environmentally friendly pathway. <i>Chemical Engineering Journal</i> , 2011 , 173, 689-697	14.7	88
4 ⁰⁹	Thermally induced conformation transition of triple-helical lentinan in NaCl aqueous solution. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10343-51	3.4	88
4 ⁰⁸	Effects of Coagulation Conditions on the Properties of Regenerated Cellulose Films Prepared in NaOH/Urea Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 522-529	3.9	88
4 ⁰⁷	Blend films from chitosan and konjac glucomannan solutions. <i>Journal of Applied Polymer Science</i> , 2000 , 76, 509-515	2.9	88
4 ⁰⁶	Extremely Strong and Transparent Chitin Films: A High-Efficiency, Energy-Saving, and [Green] Route Using an Aqueous KOH/Urea Solution. <i>Advanced Functional Materials</i> , 2017 , 27, 1701100	15.6	86
4 ⁰⁵	Effects of Chitin Whiskers on Physical Properties and Osteoblast Culture of Alginate Based Nanocomposite Hydrogels. <i>Biomacromolecules</i> , 2015 , 16, 3499-507	6.9	86
4 ⁰⁴	Super stretchable hydrogel achieved by non-aggregated spherulites with diameters. <i>Nature Communications</i> , 2016 , 7, 12095	17.4	86
4 ⁰³	Self-assembled micelles based on hydrophobically modified quaternized cellulose for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 83, 313-20	6	86
4 ⁰²	Nanomaterials-modified cellulose paper as a platform for biosensing applications. <i>Nanoscale</i> , 2017 , 9, 4366-4382	7.7	85
4 ⁰¹	Micro-Nanostructured Polyaniline Assembled in Cellulose Matrix via Interfacial Polymerization for Applications in Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17090-7	9.5	85
4 ⁰⁰	Thermosensitive injectable in-situ forming carboxymethyl chitin hydrogel for three-dimensional cell culture. <i>Acta Biomaterialia</i> , 2016 , 35, 228-37	10.8	85

399	Immunopotential and anti-tumor activity of carboxymethylated-sulfated beta-(1-->3)-d-glucan from <i>Poria cocos</i> . <i>International Immunopharmacology</i> , 2010 , 10, 398-405	5.8	85
398	Construction of chitin/PVA composite hydrogels with jellyfish gel-like structure and their biocompatibility. <i>Biomacromolecules</i> , 2014 , 15, 3358-65	6.9	83
397	Highly stretchable, transparent cellulose/PVA composite hydrogel for multiple sensing and triboelectric nanogenerators. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13935-13941	13	82
396	Transparent, Antifreezing, Ionic Conductive Cellulose Hydrogel with Stable Sensitivity at Subzero Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41710-41716	9.5	79
395	Recent Progress in High-Strength and Robust Regenerated Cellulose Materials. <i>Advanced Materials</i> , 2021 , 33, e2000682	24	78
394	Physicochemical properties and antitumor activities for sulfated derivatives of lentinan. <i>Carbohydrate Research</i> , 2009 , 344, 2209-16	2.9	77
393	Novel fibers fabricated directly from chitin solution and their application as wound dressing. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3427-3432	7.3	76
392	Effects of polymer concentration and coagulation temperature on the properties of regenerated cellulose films prepared from LiOH/urea solution. <i>Cellulose</i> , 2009 , 16, 189-198	5.5	76
391	Behavior of cellulose in NaOH/Urea aqueous solution characterized by light scattering and viscometry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 347-353	2.6	76
390	4D Printing of Robust Hydrogels Consisted of Agarose Nanofibers and Polyacrylamide. <i>ACS Macro Letters</i> , 2018 , 7, 442-446	6.6	75
389	Creation of regenerated cellulose microspheres with diameter ranging from micron to millimeter for chromatography applications. <i>Journal of Chromatography A</i> , 2010 , 1217, 5922-9	4.5	74
388	Solution properties of antitumor sulfated derivative of alpha-(1-->3)-D-glucan from <i>Ganoderma lucidum</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 2172-8	2.1	74
387	Dual Physical Crosslinking Strategy to Construct Moldable Hydrogels with Ultrahigh Strength and Toughness. <i>Advanced Functional Materials</i> , 2018 , 28, 1800739	15.6	73
386	Fast contact of solid-liquid interface created high strength multi-layered cellulose hydrogels with controllable size. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1872-8	9.5	73
385	Highly antibacterial materials constructed from silver molybdate nanoparticles immobilized in chitin matrix. <i>Chemical Engineering Journal</i> , 2013 , 234, 124-131	14.7	73
384	Biocompatible chitin/carbon nanotubes composite hydrogels as neuronal growth substrates. <i>Carbohydrate Polymers</i> , 2017 , 174, 830-840	10.3	73
383	Structure and microporous formation of cellulose/silk fibroin blend membranes: I. Effect of coagulants. <i>Journal of Membrane Science</i> , 2000 , 177, 153-161	9.6	73
382	Dissolution of cellulose from different sources in an NaOH/urea aqueous system at low temperature. <i>Cellulose</i> , 2015 , 22, 339-349	5.5	72

381	Enhancement of antitumor activities in sulfated and carboxymethylated polysaccharides of <i>Ganoderma lucidum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 10565-72	5.7	72
380	Gelation behaviors of cellulose solution dissolved in aqueous NaOH/thiourea at low temperature. <i>Polymer</i> , 2008 , 49, 1027-1036	3.9	72
379	Evaluation of water soluble β -D-glucan from <i>Auricularia auricular-judae</i> as potential anti-tumor agent. <i>Carbohydrate Polymers</i> , 2010 , 80, 977-983	10.3	71
378	Triple Helix of β -D-Glucan from <i>Lentinus Edodes</i> in 0.5 M NaCl Aqueous Solution Characterized by Light Scattering. <i>Polymer Journal</i> , 2001 , 33, 317-321	2.7	71
377	Construction of cellulose/nanosilver sponge materials and their antibacterial activities for infected wounds healing. <i>Cellulose</i> , 2016 , 23, 749-763	5.5	69
376	Structure and Properties of Soy Protein Plastics Plasticized with Acetamide. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 820-828	3.9	68
375	High-strength cellulose/poly(ethylene glycol) gels. <i>ChemSusChem</i> , 2008 , 1, 558-63	8.3	67
374	Evaluation of mushroom dietary fiber (nonstarch polysaccharides) from sclerotia of <i>Pleurotus tuber-regium</i> (Fries) singer as a potential antitumor agent. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 5059-62	5.7	67
373	Improved Mechanical Properties and Sustained Release Behavior of Cationic Cellulose Nanocrystals Reinforced Cationic Cellulose Injectable Hydrogels. <i>Biomacromolecules</i> , 2016 , 17, 2839-48	6.9	66
372	Novel regenerated cellulose films prepared by coagulating with water: Structure and properties. <i>Carbohydrate Polymers</i> , 2012 , 87, 95-100	10.3	65
371	A Facile Construction of Supramolecular Complex from Polyaniline and Cellulose in Aqueous System. <i>Macromolecules</i> , 2011 , 44, 4565-4568	5.5	65
370	Effects of moisture on glass transition and microstructure of glycerol-plasticized soy protein. <i>Macromolecular Bioscience</i> , 2005 , 5, 872-80	5.5	65
369	Deformation Drives Alignment of Nanofibers in Framework for Inducing Anisotropic Cellulose Hydrogels with High Toughness. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43154-43162	9.5	65
368	Recyclable Universal Solvents for Chitin to Chitosan with Various Degrees of Acetylation and Construction of Robust Hydrogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2725-2733	8.3	64
367	Construction of Transparent Cellulose-Based Nanocomposite Papers and Potential Application in Flexible Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8040-8047	8.3	64
366	Intermolecular interactions and 3D structure in cellulose-NaOH-urea aqueous system. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10250-7	3.4	64
365	Triple helical polysaccharide-induced good dispersion of silver nanoparticles in water. <i>Biomacromolecules</i> , 2011 , 12, 2864-71	6.9	64
364	The dissolution of cellulose in NaOH-based aqueous system by two-step process. <i>Cellulose</i> , 2011 , 18, 237-245	5.5	64

- 363 Role of sodium zincate on cellulose dissolution in NaOH/urea aqueous solution at low temperature. *Carbohydrate Polymers*, **2011**, 83, 1185-1191 10.3 64
- 362 Chemical modification and antitumor activities of two polysaccharide-protein complexes from *Pleurotus tuber-regium*. *International Journal of Biological Macromolecules*, **2009**, 45, 109-115 7.9 64
- 361 Homogenous modification of cellulose with acrylamide in NaOH/urea aqueous solutions. *Carbohydrate Polymers*, **2008**, 73, 18-25 10.3 64
- 360 Structure and properties of regenerated cellulose/tourmaline nanocrystal composite films. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 367-373 2.6 64
- 359 Cellulose microporous membranes prepared from NaOH/urea aqueous solution. *Journal of Membrane Science*, **2002**, 210, 77-90 9.6 64
- 358 Effects of lignin as a filler on properties of soy protein plastics. I. Lignosulfonate. *Journal of Applied Polymer Science*, **2003**, 88, 3284-3290 2.9 64
- 357 Influence of coagulation temperature on pore size and properties of cellulose membranes prepared from NaOH/urea aqueous solution. *Cellulose*, **2007**, 14, 205-215 5.5 63
- 356 Molecular Weight Effects on Properties of Polyurethane/Nitrokonjac Glucomannan Semiinterpenetrating Polymer Networks. *Macromolecules*, **2001**, 34, 2202-2207 5.5 63
- 355 Properties and Structure of Soy Protein Isolate/Ethylene Glycol Sheets Obtained by Compression Molding. *Industrial & Engineering Chemistry Research*, **2001**, 40, 1879-1883 3.9 63
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