

# Xiaohui Wang

## 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.

129  
papers

5,005  
citations

34  
h-index

67  
g-index

135  
ext. papers

6,089  
ext. citations

7.2  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
129	Progress on chemical modification of cellulose in green solvents. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 359-372	4.9	4
128	Designed biomass materials for green electronics: A review of materials, fabrications, devices, and perspectives. <i>Progress in Materials Science</i> , <b>2022</b> , 125, 100917	42.2	5
127	Toward scalable fabrication of electrochemical paper sensor without surface functionalization. <i>Npj Flexible Electronics</i> , <b>2022</b> , 6,	10.7	1
126	Thermo-processable chitosan-based plastic substitute with self-adaptiveness and closed-loop recyclability. <i>Carbohydrate Polymers</i> , <b>2022</b> , 291, 119479	10.3	0
125	3D Hollow Xerogels with Ordered Cellulose Nanocrystals for Tailored Mechanical Properties. <i>Small</i> , <b>2021</b> , 17, e2104702	11	1
124	Fluorescent chiral liquid-crystalline networks with dual-mode temperature response. <i>Liquid Crystals</i> , <b>2021</b> , 48, 1087-1094	2.3	1
123	Enhancing the Mechanical Performance of Reduced Graphene Oxide Aerogel with Cellulose Nanofibers. <i>ChemNanoMat</i> , <b>2021</b> , 7, 950-957	3.5	3
122	Self-assembled porous biomass carbon/RGO/nanocellulose hybrid aerogels for self-supporting supercapacitor electrodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 128755	14.7	28
121	A sandwich-like chitosan-based antibacterial nanocomposite film with reduced graphene oxide immobilized silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117835	10.3	11
120	Bristed acid-driven conversion of glucose to xylose, arabinose and formic acid via selective C-C cleavage. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 286, 119862	21.8	4
119	Mussel-inspired adhesive hydrogels based on biomass-derived xylan and tannic acid cross-linked with acrylic acid with antioxidant and antibacterial properties. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 14729-14740	4.3	5
118	Self-assembly behavior and conformation of amphiphilic hemicellulose-graft-fatty acid micelles. <i>Carbohydrate Polymers</i> , <b>2021</b> , 261, 117886	10.3	9
117	Nanocellulose/LiCl systems enable conductive and stretchable electrolyte hydrogels with tolerance to dehydration and extreme cold conditions. <i>Chemical Engineering Journal</i> , <b>2021</b> , 408, 127306	14.7	59
116	Green Fabrication of Highly Conductive Paper Electrodes via Interface Engineering with Aminocellulose. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000499	4.8	1
115	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 4723-4729	5.2	3
114	All-polymer solar cells with efficiency approaching 16% enabled using a dithieno[3,2-b:3',4'-d]benzo[1,2-c][1,2,5]thiadiazole (fDTBT)-based polymer donor. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8975-8983	13	27
113	Preparation and Characterization of TiO <sub>2</sub> Nanowires Modified Organically with Coupling Agents. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 4870-4876	1.3	2

112	High performance fully paper-based all-solid-state supercapacitor fabricated by a papermaking process with silver nanoparticles and reduced graphene oxide-modified pulp fibers. <i>EcoMat</i> , <b>2021</b> , 3, e12076	9.4	16
111	Interface Engineering on Cellulose-Based Flexible Electrode Enables High Mass Loading Wearable Supercapacitor with Ultrahigh Capacitance and Energy Density.. <i>Small</i> , <b>2021</b> , e2106356	11	6
110	All-Lignin-Based Hydrogel with Fast pH-Stimuli Responsiveness for Mechanical Switching and Actuation. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4324-4330	9.6	55
109	Production and closed-loop recycling of biomass-based malleable materials. <i>Science China Materials</i> , <b>2020</b> , 63, 2071-2078	7.1	9
108	Structural Features of Lignin Fractionated From Industrial Furfural Residue Using Alkaline Cooking Technology and Its Antioxidant Performance. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	4
107	14.4% efficiency all-polymer solar cell with broad absorption and low energy loss enabled by a novel polymer acceptor. <i>Nano Energy</i> , <b>2020</b> , 72, 104718	17.1	177
106	Robust, high-barrier, and fully recyclable cellulose-based plastic replacement enabled by a dynamic imine polymer. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14082-14090	13	22
105	Full Solution-Processed Fabrication of Conductive Hybrid Paper Electrodes for Organic Optoelectronics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3392-3400	8.3	9
104	Quercetin/chitosan-graft-alpha lipoic acid micelles: A versatile antioxidant water dispersion with high stability. <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115927	10.3	13
103	Fabrication of cellulose nanocrystal reinforced nanocomposite hydrogel with self-healing properties. <i>Carbohydrate Polymers</i> , <b>2020</b> , 240, 116289	10.3	25
102	Modular Nanocomposite Films with Tunable Physical Organization of Cellulose Nanocrystals for Photonic Encryption. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000547	8.1	12
101	Production of Xylooligosaccharide, Nanolignin, and Nanocellulose through a Fractionation Strategy of Corncob for Biomass Valorization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 17429-17439	3.9	5
100	Clay nanosheet-mediated delivery of recombinant plasmids expressing artificial miRNAs via leaf spray to prevent infection by plant DNA viruses. <i>Horticulture Research</i> , <b>2020</b> , 7, 179	7.7	12
99	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20565-20569	3.6	1
98	A multifunctional interface design on cellulose substrate enables high performance flexible all-solid-state supercapacitors. <i>Energy Storage Materials</i> , <b>2020</b> , 32, 208-215	19.4	25
97	A Truxenone-based Covalent Organic Framework as an All-Solid-State Lithium-Ion Battery Cathode with High Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20385-20389	16.4	45
96	Unravelling the efficient use of waste lignin as a bitumen modifier for sustainable roads. <i>Construction and Building Materials</i> , <b>2020</b> , 230, 116957	6.7	21
95	Efficient Microwave-Assisted Hydrolysis of Microcrystalline Cellulose into Glucose Using New Carbon-Based Solid Catalysts. <i>Catalysis Letters</i> , <b>2020</b> , 150, 138-149	2.8	6

94	Self-Healable Poly(vinyl alcohol) Photonic Crystal Hydrogel. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2086-2092	10	10
93	Transparent, flexible and recyclable nanopaper-based touch sensors fabricated via inkjet-printing. <i>Green Chemistry</i> , <b>2020</b> , 22, 3208-3215	10	23
92	Well-defined structures and nanoscale morphology for all-conjugated BCPs. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 928-931	0.9	1
91	Applications of Hydrogels with Special Physical Properties in Biomedicine. <i>Polymers</i> , <b>2019</b> , 11,	4.5	27
90	Click chemistry to synthesize exfoliated xylan-g-quaternized chitosan/montmorillonite nanocomposites for retention and drainage-aid. <i>Carbohydrate Polymers</i> , <b>2019</b> , 224, 115197	10.3	9
89	A highly conductive, pliable and foldable Cu/cellulose paper electrode enabled by controlled deposition of copper nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 725-732	7.7	56
88	Biomass Nanomicelles Assist Conjugated Polymers/Pt Cocatalysts To Achieve High Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4128-4135	8.3	27
87	Highly smooth, stable and reflective Ag-paper electrode enabled by silver mirror reaction for organic optoelectronics. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 1048-1056	14.7	22
86	Preparation of graphene by exfoliating graphite in aqueous fulvic acid solution and its application in corrosion protection of aluminum. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 543, 263-272	9.3	13
85	Water-Soluble Conjugated Molecule for Solar-Driven Hydrogen Evolution from Salt Water. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808156	15.6	46
84	Multi-Responsive Bilayer Hydrogel Actuators with Programmable and Precisely Tunable Motions. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1800562	2.6	19
83	Thermal, Mechanical Properties and Rheological Behavior of Poly(Propylene Carbonate)/Poly(Ethylene Glycol)/Graphene Oxide Nanocomposites. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 2201-2212	4.5	4
82	Efficient catalytic conversion of dilute-oxalic acid pretreated bagasse hydrolysate to furfural using recyclable ionic phosphates catalysts. <i>Bioresource Technology</i> , <b>2019</b> , 290, 121764	11	13
81	MnO@Corncob Carbon Composite Electrode and All-Solid-State Supercapacitor with Improved Electrochemical Performance. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
80	Rapid self-healing, stretchable, moldable, antioxidant and antibacterial tannic acid-cellulose nanofibril composite hydrogels. <i>Carbohydrate Polymers</i> , <b>2019</b> , 224, 115147	10.3	83
79	Corncob Biorefinery for Platform Chemicals and Lignin Coproduction: Metal Chlorides as Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5309-5317	8.3	8
78	Suppressing the excessive aggregation of nonfullerene acceptor in blade-coated active layer by using n-type polymer additive to achieve large-area printed organic solar cells with efficiency over 15%. <i>EcoMat</i> , <b>2019</b> , 1, e12006	9.4	28
77	A one-pot strategy for preparation of high-strength carboxymethyl xylan-g-poly(acrylic acid) hydrogels with shape memory property. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 507-518	9.3	22

76	Quaternized xylan/cellulose nanocrystal reinforced magnetic hydrogels with high strength. <i>Cellulose</i> , <b>2018</b> , 25, 4537-4549	5.5	15
75	Microwave-Assisted Oxalic Acid Pretreatment for the Enhancing of Enzyme Hydrolysis in the Production of Xylose and Arabinose from Bagasse. <i>Molecules</i> , <b>2018</b> , 23,	4.8	24
74	Inhibition of Amphiphilic N-Alkyl-O-carboxymethyl Chitosan Derivatives on. <i>BioMed Research International</i> , <b>2018</b> , 2018, 5236324	3	1
73	Fluorescent Lignin Carbon Dots for Reversible Responses to High-Valence Metal Ions and Its Bioapplications. <i>Journal of Biomedical Nanotechnology</i> , <b>2018</b> , 14, 1543-1555	4	12
72	Carbon Nanotubes Reinforced Maleic Anhydride-Modified Xylan-g-Poly(N-isopropylacrylamide) Hydrogel with Multifunctional Properties. <i>Materials</i> , <b>2018</b> , 11,	3.5	13
71	Xylan-Based Hydrogels as a Potential Carrier for Drug Delivery: Effect of Pore-Forming Agents. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	11
70	A new approach to recycle oxalic acid during lignocellulose pretreatment for xylose production. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 324	7.8	21
69	All-Biomass Fluorescent Hydrogels Based on Biomass Carbon Dots and Alginate/Nanocellulose for Biosensing.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1398-1407	4.1	27
68	New Understandings of the Relationship and Initial Formation Mechanism for Pseudo-lignin, Humins, and Acid-Induced Hydrothermal Carbon. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 11981-11989	5.7	36
67	Solid acid-induced hydrothermal treatment of bagasse for production of furfural and levulinic acid by a two-step process. <i>Industrial Crops and Products</i> , <b>2018</b> , 123, 118-127	5.9	22
66	One-Step Synthesis of Quadrilateral-Shaped Silver Nanoplates with Lamellar Structures Tuned by Amylopectin Derivatives. <i>ACS Omega</i> , <b>2018</b> , 3, 6841-6848	3.9	3
65	Electrostatically self-assembled chitosan derivatives working as efficient cathode interlayers for organic solar cells. <i>Nano Energy</i> , <b>2017</b> , 34, 164-171	17.1	28
64	Multi-color light-emitting amphiphilic cellulose/conjugated polymers nanomicelles for tumor cell imaging. <i>Cellulose</i> , <b>2017</b> , 24, 889-902	5.5	14
63	Self-Assembled Conjugated Polymer/Chitosan-graft-Oleic Acid Micelles for Fast Visible Detection of Aliphatic Biogenic Amines by "Turn-On" FRET. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22875-22884	9.5	37
62	Ag nanowires functionalized cellulose textiles for supercapacitor and photothermal conversion. <i>Materials Letters</i> , <b>2017</b> , 189, 248-251	3.3	10
61	High Oxygen Barrier Property of Poly(propylene carbonate)/Polyethylene Glycol Nanocomposites with Low Loading of Cellulose Nanocrytals. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11246-11254	8.3	33
60	Effect of intercalating agents on structure and properties of dimer acid-based polyamide modified by in situ doping of Na-montmorillonite. <i>Polymers for Advanced Technologies</i> , <b>2017</b> , 28, 1030-1037	3.2	2
59	SO <sub>4</sub> <sup>2-</sup> /Sn-MMT Solid Acid Catalyst for Xylose and Xylan Conversion into Furfural in the Biphasic System. <i>Catalysts</i> , <b>2017</b> , 7, 118	4	33

58	Simultaneously obtaining fluorescent carbon dots and porous active carbon for supercapacitors from biomass. <i>RSC Advances</i> , <b>2016</b> , 6, 88674-88682	3.7	25
57	Cellulosic micelles as nanocapsules of liposoluble CdSe/ZnS quantum dots for bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 6454-6461	7.3	23
56	Mussel-inspired fabrication of novel superhydrophobic and superoleophilic sponge modified using a high density of nanoaggregates at low concentration of dopamine. <i>RSC Advances</i> , <b>2016</b> , 6, 71905-71912	3.7	14
55	Probing Energy and Electron Transfer Mechanisms in Fluorescence Quenching of Biomass Carbon Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17478-88	9.5	156
54	Self-assembly and paclitaxel loading capacity of $\beta$ -tocopherol succinate-conjugated hydroxyethyl cellulose nanomicelle. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 135-143	2.4	13
53	Self-assembly and $\beta$ -carotene loading capacity of hydroxyethyl cellulose-graft-linoleic acid nanomicelles. <i>Carbohydrate Polymers</i> , <b>2016</b> , 145, 56-63	10.3	49
52	F127/conjugated polymers fluorescent micelles for trace detection of nitroaromatic explosives. <i>Dyes and Pigments</i> , <b>2016</b> , 125, 367-374	4.6	16
51	Chitosan-Assisted Crystallization and Film Forming of Perovskite Crystals through Biomineralization. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 893-9	4.5	7
50	Large scale preparation of graphene oxide/cellulose paper with improved mechanical performance and gas barrier properties by conventional papermaking method. <i>Industrial Crops and Products</i> , <b>2016</b> , 85, 198-203	5.9	28
49	An efficient pretreatment for the selectively hydrothermal conversion of corncob into furfural: The combined mixed ball milling and ultrasonic pretreatments. <i>Industrial Crops and Products</i> , <b>2016</b> , 94, 721-728	5.9	16
48	Highly tough cellulose/graphene composite hydrogels prepared from ionic liquids. <i>Industrial Crops and Products</i> , <b>2015</b> , 70, 56-63	5.9	50
47	Preparation and the Electrochemical Performance of MnO <sub>2</sub> /PANI@CNT Composite for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 709-14	1.3	11
46	Synthesis, characterization, and micellar behaviors of hydroxyethyl cellulose-graft-poly(lactide/ $\epsilon$ -caprolactone/p-dioxanone). <i>Cellulose</i> , <b>2015</b> , 22, 2365-2374	5.5	23
45	Characterization and antioxidant activity of $\beta$ -carotene loaded chitosan-graft-poly(lactide) nanomicelles. <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 169-176	10.3	82
44	Synthesis and Characterization of Cellulose-graft-poly(p-dioxanone) Copolymers via Homogeneous Ring-Opening Graft Polymerization in Ionic Liquids. <i>BioResources</i> , <b>2015</b> , 11,	1.3	5
43	Porous Cellulose Aerogels with High Mechanical Performance and their Absorption Behaviors. <i>BioResources</i> , <b>2015</b> , 11, 8-20	1.3	13
42	Enhanced Activity and Durability of Nanosized Pt-SnO <sub>2</sub> /IrO <sub>2</sub> /CNTs Catalyst for Methanol Electrooxidation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 3662-9	1.3	11
41	Preparation of fluorescent core/shell nanoparticles from amphiphilic cellulose-based copolymers for tumor cell imaging. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e132	11.7	3

40	Sustainable carbon quantum dots from forestry and agricultural biomass with amplified photoluminescence by simple NH <sub>4</sub> OH passivation. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9760-9766	7.1	72
39	Advances in self-assembled chitosan nanomaterials for drug delivery. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 1301-1316	17.8	222
38	Self-assembled conjugated polymer/carboxymethyl chitosan grafted poly(p-dioxanone) nanomicelles and their use in functionalized indicator paper for fast and visual detection of a banned food dye. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4251-4258	4.9	16
37	Fluorescent nanomicelles for selective detection of Sudan dye in Pluronic F127 aqueous media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 5113-21	9.5	31
36	Study on structure and properties of dimer acid-based polyamide nylon modified by situ doping of Na-Montmorillonite. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 1184-1190	0.8	1
35	Preparation of cellulose-graft-poly( $\epsilon$ -caprolactone) nanomicelles by homogeneous ROP in ionic liquid. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 77-83	10.3	74
34	Surfactant-free aqueous RAFT polymerization of styrene in the presence of CaCO <sub>3</sub> particles. <i>Polymer</i> , <b>2013</b> , 54, 614-622	3.9	4
33	Direct grafting modification of pulp in ionic liquids and self-assembly behavior of the graft copolymers. <i>Cellulose</i> , <b>2013</b> , 20, 873-884	5.5	34
32	Synthesis of porous poly(styrene-co-acrylic acid) microspheres through one-step soap-free emulsion polymerization: whys and wherefores. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 368, 220-593	9.3	39
31	Preparation of lanthanide doped CdS, ZnS quantum dots in natural polysaccharide template and their optical properties. <i>Optical Materials</i> , <b>2012</b> , 34, 646-651	3.3	21
30	Self-assembly and paclitaxel loading capacity of cellulose-graft-poly(lactide) nanomicelles. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 3900-8	5.7	73
29	Fluorescent amphiphilic cellulose nanoaggregates for sensing trace explosives in aqueous solution. <i>Chemical Communications</i> , <b>2012</b> , 48, 5569-71	5.8	81
28	Preparation of Long-Chain Fatty Acyl-Grafted Chitosan in an Ionic Liquid and Their Self-Assembled Micelles in Water. <i>Journal of Macromolecular Science - Physics</i> , <b>2012</b> , 51, 2483-2492	1.4	5
27	Platinum-based poly(aryleneethynylene) polymers containing thiazolothiazole group with high hole mobilities for field-effect transistor applications. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 603-948	4.8	21
26	Synthesis and characterization of hydrophobic long-chain fatty acylated cellulose and its self-assembled nanoparticles. <i>Polymer Bulletin</i> , <b>2012</b> , 69, 389-403	2.4	39
25	A novel crosslinkable electron injection/transporting material for solution processed polymer light-emitting diodes. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1745-1749	7.9	38
24	Bandgap engineering of indenofluorene-based conjugated copolymers with pendant donor-acceptor chromophores for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4406-4415	2.5	20
23	Morphology and thermal properties of nylon copolymers containing dimer acid, adipic acid, and hexamethylenediamine. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 2511-2516	2.9	3

22	Fluorescent identification and detection of Staphylococcus aureus with carboxymethyl chitosan/CdS quantum dots bioconjugates. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 1881-93	3.5	20
21	Effect of chitosan coating on respiratory behavior and quality of stored litchi under ambient temperature. <i>Journal of Food Engineering</i> , <b>2011</b> , 102, 94-99	6	66
20	Amphoteric Polymer-Clay Nanocomposites with Drug-Controlled Release Property. <i>Current Nanoscience</i> , <b>2011</b> , 7, 183-190	1.4	18
19	Microwave Irradiation Assisted Synthesis and Flocculation Behavior of Quaternized Chitosan/Organo Montmorillonite Nanocomposite. <i>Current Nanoscience</i> , <b>2011</b> , 7, 1034-1041	1.4	15
18	The effect of moist heat treatment on the characteristic of starch-based composite materials coating with chitosan. <i>Carbohydrate Polymers</i> , <b>2010</b> , 81, 554-559	10.3	11
17	Preparation and characterization of new quaternized carboxymethyl chitosan/rectorite nanocomposite. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1161-1167	8.6	66
16	Novel water-soluble chitosan derivatives/quantum dots nanocomposite: synthesis, characterization and photoluminescence properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6866-75	1.3	4
15	Synthesis, characterization and antibacterial activity of guanidynlated chitosan. <i>Carbohydrate Polymers</i> , <b>2007</b> , 67, 66-72	10.3	106
14	Preparation and third-order optical nonlinearity of self-assembled chitosan/CdSe-ZnS core-shell quantum dots multilayer films. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1566-70	3.4	91
13	Conversion of crystal structure of the chitin to facilitate preparation of a 6-carboxychitin with moisture absorption/retention abilities. <i>Carbohydrate Polymers</i> , <b>2006</b> , 66, 168-175	10.3	46
12	Preparation, characterization and antimicrobial activity of chitosan/layered silicate nanocomposites. <i>Polymer</i> , <b>2006</b> , 47, 6738-6744	3.9	164
11	Large two-photon absorbance of chitosan/ZnS quantum dots nanocomposite film. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 30, 96-100	3	22
10	Preparation and characterization of alginate/gelatin blend fibers. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 1625-1629	2.9	87
9	Chitosan- metal complexes as antimicrobial agent: Synthesis, characterization and Structure-activity study. <i>Polymer Bulletin</i> , <b>2005</b> , 55, 105-113	2.4	241
8	Synthesis and properties of a novel water-soluble anionic polyfluorenes for highly sensitive biosensors. <i>Polymer</i> , <b>2005</b> , 46, 12010-12015	3.9	68
7	Chitosan kills bacteria through cell membrane damage. <i>International Journal of Food Microbiology</i> , <b>2004</b> , 95, 147-55	5.8	588
6	Preparation, characterization and antimicrobial activity of chitosan/Zn complex. <i>Carbohydrate Polymers</i> , <b>2004</b> , 56, 21-26	10.3	310
5	Interaction between chitosan and alkyl $\beta$ -D-glucopyranoside and its effect on their antimicrobial activity. <i>Carbohydrate Polymers</i> , <b>2004</b> , 56, 243-250	10.3	27



4	High-efficiency, environment-friendly electroluminescent polymers with stable high work function metal as a cathode: green- and yellow-emitting conjugated polyfluorene polyelectrolytes and their neutral precursors. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9845-53	16.4	284
3	High strength, flexible, and conductive graphene/polypropylene fiber paper fabricated via papermaking process. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	16
2	Green conversion of Ganoderma lucidum residues to electrode materials for supercapacitors. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	13
1	Graphene Oxide Encapsulating Liquid Metal to Toughen Hydrogel. <i>Advanced Functional Materials</i> ,2106761,6	1.6	8