

# Xiaohui Wang

## List of Publications by Year in descending order

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134  
papers

7,271  
citations

57758

44  
h-index

62596

80  
g-index

135  
all docs

135  
docs citations

135  
times ranked

9089  
citing authors

#	ARTICLE	IF	CITATIONS
1	High strength, flexible, and conductive graphene/polypropylene fiber paper fabricated via papermaking process. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 104-112.	21.1	45
2	Fabricating lignin-based carbon nanofibers as versatile supercapacitors from food wastes. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 632-643.	7.5	29
3	Designed biomass materials for "green" electronics: A review of materials, fabrications, devices, and perspectives. <i>Progress in Materials Science</i> , 2022, 125, 100917.	32.8	52
4	Progress on chemical modification of cellulose in "green" solvents. <i>Polymer Chemistry</i> , 2022, 13, 359-372.	3.9	34
5	Toward scalable fabrication of electrochemical paper sensor without surface functionalization. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	18
6	Interface Engineering on Cellulose-Based Flexible Electrode Enables High Mass Loading Wearable Supercapacitor with Ultrahigh Capacitance and Energy Density. <i>Small</i> , 2022, 18, e2106356.	10.0	23
7	A green composite hydrogel based on xylan and lignin with adjustable mechanical properties, high swelling, excellent UV shielding, and antioxidation properties. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	6
8	Thermo-processable chitosan-based plastic substitute with self-adaptiveness and closed-loop recyclability. <i>Carbohydrate Polymers</i> , 2022, 291, 119479.	10.2	8
9	Copper Ion Imprinted Hydrogel Photonic Crystal Sensor Film. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4568-4575.	4.4	7
10	Starch-Based Rehealable and Degradable Bioplastic Enabled by Dynamic Imine Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8650-8657.	6.7	29
11	Scalable manufacturing of leaf-like MXene/Ag NWs/cellulose composite paper electrode for all-solid-state supercapacitor. <i>EcoMat</i> , 2022, 4, .	11.9	32
12	Nanocellulose/LiCl systems enable conductive and stretchable electrolyte hydrogels with tolerance to dehydration and extreme cold conditions. <i>Chemical Engineering Journal</i> , 2021, 408, 127306.	12.7	174
13	Green Fabrication of Highly Conductive Paper Electrodes via Interface Engineering with Aminocellulose. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000499.	3.9	2
14	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4723-4729.	4.5	8
15	All-polymer solar cells with efficiency approaching 16% enabled using a dithieno[3,4:2,3'-b',5,6]benzo[1,2-c][1,2,5]thiadiazole (fDTBT)-based polymer donor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8975-8983.	10.54	54
16	Fluorescent chiral liquid-crystalline networks with dual-mode temperature response. <i>Liquid Crystals</i> , 2021, 48, 1087-1094.	2.2	2
17	Enhancing the Mechanical Performance of Reduced Graphene Oxide Aerogel with Cellulose Nanofibers. <i>ChemNanoMat</i> , 2021, 7, 950-957.	2.8	9
18	Self-assembled porous biomass carbon/RGO/nanocellulose hybrid aerogels for self-supporting supercapacitor electrodes. <i>Chemical Engineering Journal</i> , 2021, 412, 128755.	12.7	80

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19	A sandwich-like chitosan-based antibacterial nanocomposite film with reduced graphene oxide immobilized silver nanoparticles. <i>Carbohydrate Polymers</i> , 2021, 260, 117835.	10.2	39
20	Green conversion of <i>Ganoderma lucidum</i> residues to electrode materials for supercapacitors. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1270-1280.	21.1	34
21	Brønsted acid-driven conversion of glucose to xylose, arabinose and formic acid via selective C-C cleavage. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119862.	20.2	15
22	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> , 2021, 56, 14729-14740.	3.7	24
23	Self-assembly behavior and conformation of amphiphilic hemicellulose-graft-fatty acid micelles. <i>Carbohydrate Polymers</i> , 2021, 261, 117886.	10.2	22
24	Preparation and Characterization of TiO <sub>2</sub> Nanowires Modified Organically with Coupling Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4870-4876.	0.9	3
25	Graphene Oxide Encapsulating Liquid Metal to Toughen Hydrogel. <i>Advanced Functional Materials</i> , 2021, 31, 2106761.	14.9	72
26	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> , 2021, 3, e12076.	11.9	51
27	3D Hollow Xerogels with Ordered Cellulose Nanocrystals for Tailored Mechanical Properties. <i>Small</i> , 2021, 17, e2104702.	10.0	7
28	Unravelling the efficient use of waste lignin as a bitumen modifier for sustainable roads. <i>Construction and Building Materials</i> , 2020, 230, 116957.	7.2	52
29	Efficient Microwave-Assisted Hydrolysis of Microcrystalline Cellulose into Glucose Using New Carbon-Based Solid Catalysts. <i>Catalysis Letters</i> , 2020, 150, 138-149.	2.6	11
30	Production of Xylooligosaccharide, Nanolignin, and Nanocellulose through a Fractionation Strategy of Corn cob for Biomass Valorization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 17429-17439.	3.7	18
31	Clay nanosheet-mediated delivery of recombinant plasmids expressing artificial miRNAs via leaf spray to prevent infection by plant DNA viruses. <i>Horticulture Research</i> , 2020, 7, 179.	6.3	23
32	A Truxenone-based Covalent Organic Framework as an All-solid-state Lithium-ion Battery Cathode with High Capacity. <i>Angewandte Chemie</i> , 2020, 132, 20565-20569.	2.0	5
33	A multifunctional interface design on cellulose substrate enables high performance flexible all-solid-state supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 208-215.	18.0	52
34	A Truxenone-based Covalent Organic Framework as an All-solid-state Lithium-ion Battery Cathode with High Capacity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20385-20389.	18.8	110
35	All-Lignin-Based Hydrogel with Fast pH-Stimuli Responsiveness for Mechanical Switching and Actuation. <i>Chemistry of Materials</i> , 2020, 32, 4324-4330.	6.7	136
36	Production and closed-loop recycling of biomass-based malleable materials. <i>Science China Materials</i> , 2020, 63, 2071-2078.	6.3	17

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37	Structural Features of Lignin Fractionated From Industrial Furfural Residue Using Alkaline Cooking Technology and Its Antioxidant Performance. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	10
38	14.4% efficiency all-polymer solar cell with broad absorption and low energy loss enabled by a novel polymer acceptor. <i>Nano Energy</i> , 2020, 72, 104718.	16.0	280
39	Robust, high-barrier, and fully recyclable cellulose-based plastic replacement enabled by a dynamic imine polymer. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14082-14090.	10.3	57
40	Full Solution-Processed Fabrication of Conductive Hybrid Paper Electrodes for Organic Optoelectronics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3392-3400.	6.7	17
41	Quercetin/chitosan-graft-alpha lipoic acid micelles: A versatile antioxidant water dispersion with high stability. <i>Carbohydrate Polymers</i> , 2020, 234, 115927.	10.2	32
42	Fabrication of cellulose nanocrystal reinforced nanocomposite hydrogel with self-healing properties. <i>Carbohydrate Polymers</i> , 2020, 240, 116289.	10.2	59
43	Modular Nanocomposite Films with Tunable Physical Organization of Cellulose Nanocrystals for Photonic Encryption. <i>Advanced Optical Materials</i> , 2020, 8, 2000547.	7.3	23
44	Self-Healable Poly(vinyl alcohol) Photonic Crystal Hydrogel. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2086-2092.	4.4	14
45	Transparent, flexible and recyclable nanopaper-based touch sensors fabricated <i>via</i> inkjet-printing. <i>Green Chemistry</i> , 2020, 22, 3208-3215.	9.0	47
46	Thermal, Mechanical Properties and Rheological Behavior of Poly(Propylene Carbonate)/Poly(Ethylene Terephthalate) Blends. <i>Journal of Applied Polymer Science</i> , 2020, 124, 46153.	5.9	4
47	Efficient catalytic conversion of dilute-oxalic acid pretreated bagasse hydrolysate to furfural using recyclable ionic phosphates catalysts. <i>Bioresource Technology</i> , 2019, 290, 121764.	9.6	19
48	MnO <sub>2</sub> @Carbon Composite Electrode and All-Solid-State Supercapacitor with Improved Electrochemical Performance. <i>Materials</i> , 2019, 12, 2379.	2.9	16
49	Rapid self-healing, stretchable, moldable, antioxidant and antibacterial tannic acid-cellulose nanofibril composite hydrogels. <i>Carbohydrate Polymers</i> , 2019, 224, 115147.	10.2	163
50	Well-defined structures and nanoscale morphology for all-conjugated BCPs. <i>Micro and Nano Letters</i> , 2019, 14, 928-931.	1.3	1
51	Applications of Hydrogels with Special Physical Properties in Biomedicine. <i>Polymers</i> , 2019, 11, 1420.	4.5	63
52	Click chemistry to synthesize exfoliated xylan-g-quaternized chitosan/montmorillonite nanocomposites for retention and drainage-aid. <i>Carbohydrate Polymers</i> , 2019, 224, 115197.	10.2	12
53	A highly conductive, pliable and foldable Cu/cellulose paper electrode enabled by controlled deposition of copper nanoparticles. <i>Nanoscale</i> , 2019, 11, 725-732.	5.6	80
54	Biomass Nanomicelles Assist Conjugated Polymers/Pt Cocatalysts To Achieve High Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4128-4135.	6.7	38

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55	Highly smooth, stable and reflective Ag-paper electrode enabled by silver mirror reaction for organic optoelectronics. <i>Chemical Engineering Journal</i> , 2019, 370, 1048-1056.	12.7	33
56	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> , 2019, 543, 263-272.	9.4	25
57	Water-soluble Conjugated Molecule for Solar-Driven Hydrogen Evolution from Salt Water. <i>Advanced Functional Materials</i> , 2019, 29, 1808156.	14.9	66
58	Multi-responsive Bilayer Hydrogel Actuators with Programmable and Precisely Tunable Motions. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800562.	2.2	37
59	Corn-cob Biorefinery for Platform Chemicals and Lignin Coproduction: Metal Chlorides as Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5309-5317.	6.7	18
60	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> , 2019, 1, e12006.	11.9	45
61	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> , 2019, 538, 507-518.	9.4	30
62	Xylan-Based Hydrogels as a Potential Carrier for Drug Delivery: Effect of Pore-Forming Agents. <i>Pharmaceutics</i> , 2018, 10, 261.	4.5	17
63	A new approach to recycle oxalic acid during lignocellulose pretreatment for xylose production. <i>Biotechnology for Biofuels</i> , 2018, 11, 324.	6.2	37
64	All-Biomass Fluorescent Hydrogels Based on Biomass Carbon Dots and Alginate/Nanocellulose for Biosensing. <i>ACS Applied Bio Materials</i> , 2018, 1, 1398-1407.	4.6	48
65	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> , 2018, 66, 11981-11989.	5.2	51
66	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> , 2018, 123, 118-127.	5.2	36
67	One-Step Synthesis of Quadrilateral-Shaped Silver Nanoplates with Lamellar Structures Tuned by Amylopectin Derivatives. <i>ACS Omega</i> , 2018, 3, 6841-6848.	3.5	15
68	Quaternized xylan/cellulose nanocrystal reinforced magnetic hydrogels with high strength. <i>Cellulose</i> , 2018, 25, 4537-4549.	4.9	26
69	Microwave-Assisted Oxalic Acid Pretreatment for the Enhancing of Enzyme Hydrolysis in the Production of Xylose and Arabinose from Bagasse. <i>Molecules</i> , 2018, 23, 862.	3.8	44
70	Inhibition of Amphiphilic N-Alkyl-O-carboxymethyl Chitosan Derivatives on <i>Alternaria macrospora</i> . <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	4
71	Fluorescent Lignin Carbon Dots for Reversible Responses to High-Valence Metal Ions and Its Bioapplications. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 1543-1555.	1.1	26
72	Carbon Nanotubes Reinforced Maleic Anhydride-Modified Xylan-g-Poly(N-isopropylacrylamide) Hydrogel with Multifunctional Properties. <i>Materials</i> , 2018, 11, 354.	2.9	24

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73	Electrostatically self-assembled chitosan derivatives working as efficient cathode interlayers for organic solar cells. <i>Nano Energy</i> , 2017, 34, 164-171.	16.0	40
74	Multi-color light-emitting amphiphilic cellulose/conjugated polymers nanomicelles for tumor cell imaging. <i>Cellulose</i> , 2017, 24, 889-902.	4.9	18
75	Self-Assembled Conjugated Polymer/Chitosan- <i>graft</i> -Oleic Acid Micelles for Fast Visible Detection of Aliphatic Biogenic Amines by Turn-On-FRET. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 22875-22884.	8.0	63
76	Ag nanowires functionalized cellulose textiles for supercapacitor and photothermal conversion. <i>Materials Letters</i> , 2017, 189, 248-251.	2.6	17
77	High Oxygen Barrier Property of Poly(propylene carbonate)/Polyethylene Glycol Nanocomposites with Low Loading of Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11246-11254.	6.7	45
78	Effect of intercalating agents on structure and properties of dimer acid-based polyamide modified by <i>in situ</i> doping of Na-montmorillonite. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1030-1037.	3.2	3
79	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> , 2017, 7, 118.	3.5	43
80	Chitosan-Assisted Crystallization and Film Forming of Perovskite Crystals through Biomineralization. <i>Chemistry - an Asian Journal</i> , 2016, 11, 893-899.	3.3	9
81	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> , 2016, 85, 198-203.	5.2	38
82	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> , 2016, 94, 721-728.	5.2	22
83	Simultaneously obtaining fluorescent carbon dots and porous active carbon for supercapacitors from biomass. <i>RSC Advances</i> , 2016, 6, 88674-88682.	3.6	32
84	Cellulosic micelles as nanocapsules of liposoluble CdSe/ZnS quantum dots for bioimaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6454-6461.	5.8	28
85	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> , 2016, 6, 71905-71912.	3.6	20
86	Probing Energy and Electron Transfer Mechanisms in Fluorescence Quenching of Biomass Carbon Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17478-17488.	8.0	223
87	Self-assembly and paclitaxel loading capacity of $\alpha$ -tocopherol succinate-conjugated hydroxyethyl cellulose nanomicelle. <i>Colloid and Polymer Science</i> , 2016, 294, 135-143.	2.1	14
88	Self-assembly and $\beta$ -carotene loading capacity of hydroxyethyl cellulose-graft-linoleic acid nanomicelles. <i>Carbohydrate Polymers</i> , 2016, 145, 56-63.	10.2	60
89	F127/conjugated polymers fluorescent micelles for trace detection of nitroaromatic explosives. <i>Dyes and Pigments</i> , 2016, 125, 367-374.	3.7	18
90	Synthesis and Characterization of Cellulose-graft-poly(p-dioxanone) Copolymers via Homogeneous Ring-Opening Graft Polymerization in Ionic Liquids. <i>BioResources</i> , 2015, 11, .	1.0	6

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91	Porous Cellulose Aerogels with High Mechanical Performance and their Absorption Behaviors. <i>BioResources</i> , 2015, 11, 8-20.	1.0	17
92	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> , 2015, 15, 3662-3669.	0.9	14
93	Preparation of fluorescent core/shell nanoparticles from amphiphilic cellulose-based copolymers for tumor cell imaging. <i>Journal of Controlled Release</i> , 2015, 213, e132.	9.9	3
94	Highly tough cellulose/graphene composite hydrogels prepared from ionic liquids. <i>Industrial Crops and Products</i> , 2015, 70, 56-63.	5.2	60
95	Preparation and the Electrochemical Performance of MnO <sub>2</sub> /PANI@CNT Composite for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 709-714.	0.9	13
96	Synthesis, characterization, and micellar behaviors of hydroxyethyl cellulose-graft-poly(lactide/ε-caprolactone/p-dioxanone). <i>Cellulose</i> , 2015, 22, 2365-2374.	4.9	24
97	Characterization and antioxidant activity of β-carotene loaded chitosan-graft-poly(lactide) nanomicelles. <i>Carbohydrate Polymers</i> , 2015, 117, 169-176.	10.2	96
98	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> , 2014, 87, 1184-1190.	0.5	2
99	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> , 2014, 2, 9760-9766.	5.5	92
100	Advances in self-assembled chitosan nanomaterials for drug delivery. <i>Biotechnology Advances</i> , 2014, 32, 1301-1316.	11.7	260
101	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> , 2014, 5, 4251-4258.	3.9	20
102	Fluorescent Nanomicelles for Selective Detection of Sudan Dye in Pluronic F127 Aqueous Media. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5113-5121.	8.0	38
103	Preparation of cellulose-graft-poly(ε-caprolactone) nanomicelles by homogeneous ROP in ionic liquid. <i>Carbohydrate Polymers</i> , 2013, 92, 77-83.	10.2	88
104	Surfactant-free aqueous RAFT polymerization of styrene in the presence of CaCO <sub>3</sub> particles. <i>Polymer</i> , 2013, 54, 614-622.	3.8	5
105	Direct grafting modification of pulp in ionic liquids and self-assembly behavior of the graft copolymers. <i>Cellulose</i> , 2013, 20, 873-884.	4.9	47
106	Self-Assembly and Paclitaxel Loading Capacity of Cellulose-graft-poly(lactide) Nanomicelles. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3900-3908.	5.2	88
107	Fluorescent amphiphilic cellulose nanoaggregates for sensing trace explosives in aqueous solution. <i>Chemical Communications</i> , 2012, 48, 5569.	4.1	88
108	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> , 2012, 51, 2483-2492.	1.0	6

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109	Platinum-Based Poly(Aryleneethynylene) Polymers Containing Thiazolothiazole Group with High Hole Mobilities for Field-Effect Transistor Applications. <i>Macromolecular Rapid Communications</i> , 2012, 33, 603-609.	3.9	27
110	Synthesis and characterization of hydrophobic long-chain fatty acylated cellulose and its self-assembled nanoparticles. <i>Polymer Bulletin</i> , 2012, 69, 389-403.	3.3	48
111	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> , 2012, 368, 220-225.	9.4	44
112	Preparation of lanthanide doped CdS, ZnS quantum dots in natural polysaccharide template and their optical properties. <i>Optical Materials</i> , 2012, 34, 646-651.	3.6	24
113	Fluorescent Identification and Detection of <i>Staphylococcus aureus</i> with Carboxymethyl Chitosan/CdS Quantum Dots Bioconjugates. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1881-1893.	3.5	22
114	A novel crosslinkable electron injection/transporting material for solution processed polymer light-emitting diodes. <i>Science China Chemistry</i> , 2011, 54, 1745-1749.	8.2	40
115	Bandgap engineering of indenofluorene-based conjugated copolymers with pendant donor-acceptor chromophores for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4406-4415.	2.3	21
116	Morphology and thermal properties of nylon copolymers containing dimer acid, adipic acid, and hexamethylenediamine. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2511-2516.	2.6	4
117	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.	5.2	76
118	Amphoteric Polymer-Clay Nanocomposites with Drug-Controlled Release Property. <i>Current Nanoscience</i> , 2011, 7, 183-190.	1.2	22
119	Microwave Irradiation Assisted Synthesis and Flocculation Behavior of Quaternized Chitosan/Organo Montmorillonite Nanocomposite. <i>Current Nanoscience</i> , 2011, 7, 1034-1041.	1.2	17
120	The effect of moist heat treatment on the characteristic of starch-based composite materials coating with chitosan. <i>Carbohydrate Polymers</i> , 2010, 81, 554-559.	10.2	13
121	Preparation and characterization of new quaternized carboxymethyl chitosan/rectorite nanocomposite. <i>Composites Science and Technology</i> , 2010, 70, 1161-1167.	7.8	70
122	Novel Water-Soluble Chitosan Derivatives/Quantum Dots Nanocomposite: Synthesis, Characterization and Photoluminescence Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6866-75.	0.9	6
123	Synthesis, characterization and antibacterial activity of guanidinylated chitosan. <i>Carbohydrate Polymers</i> , 2007, 67, 66-72.	10.2	127
124	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> , 2006, 110, 1566-1570.	2.6	102
125	Conversion of crystal structure of the chitin to facilitate preparation of a 6-carboxychitin with moisture absorption-retention abilities. <i>Carbohydrate Polymers</i> , 2006, 66, 168-175.	10.2	54
126	Preparation, characterization and antimicrobial activity of chitosan/layered silicate nanocomposites. <i>Polymer</i> , 2006, 47, 6738-6744.	3.8	178



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127	Large two-photon absorbance of chitosanâ€ZnS quantum dots nanocomposite film. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 30, 96-100.	2.7	26
128	Preparation and characterization of alginate/gelatin blend fibers. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1625-1629.	2.6	108
129	Chitosan- metal complexes as antimicrobial agent: Synthesis, characterization and Structure-activity study. <i>Polymer Bulletin</i> , 2005, 55, 105-113.	3.3	293
130	Synthesis and properties of a novel water-soluble anionic polyfluorenes for highly sensitive biosensors. <i>Polymer</i> , 2005, 46, 12010-12015.	3.8	70
131	Chitosan kills bacteria through cell membrane damage. <i>International Journal of Food Microbiology</i> , 2004, 95, 147-155.	4.7	699
132	Preparation, characterization and antimicrobial activity of chitosanâ€Zn complex. <i>Carbohydrate Polymers</i> , 2004, 56, 21-26.	10.2	359
133	Interaction between chitosan and alkyl $\beta$ -D-glucopyranoside and its effect on their antimicrobial activity. <i>Carbohydrate Polymers</i> , 2004, 56, 243-250.	10.2	27
134	High-Efficiency, Environment-Friendly Electroluminescent Polymers with Stable High Work Function Metal as a Cathode: A Green- and Yellow-Emitting Conjugated Polyfluorene Polyelectrolytes and Their Neutral Precursors. <i>Journal of the American Chemical Society</i> , 2004, 126, 9845-9853.	13.7	309