Meng He

List of Publications by Year
in descending order

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455	31,079	3525 90	7736 150
papers	citations	h-index	g-index

464	464	464	23418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication and properties of novel chitosan/ZnO composite bioplastic. Cellulose, 2022, 29, 233-243.	2.4	15
2	Injectable self-healing cellulose hydrogel based on host-guest interactions and acylhydrazone bonds for sustained cancer therapy. Acta Biomaterialia, 2022, 141, 102-113.	4.1	40
3	Ultrapure deep-blue aggregation-induced emission and thermally activated delayed fluorescence emitters for efficient OLEDs with CIE_y < 0.1 and low efficiency roll-offs. Journal of Materials Chemistry C, 2022, 10, 3163-3171.	2.7	22
4	Anisotropic Hybrid Hydrogels Constructed via the Noncovalent Assembly for Biomimetic Tissue Scaffold. Advanced Functional Materials, 2022, 32, .	7.8	32
5	Loose Pre-Cross-Linking Mediating Cellulose Self-Assembly for 3D Printing Strong and Tough Biomimetic Scaffolds. Biomacromolecules, 2022, 23, 877-888.	2.6	15
6	Polyphenol-driving assembly for constructing chitin-polyphenol-metal hydrogel as wound dressing. Carbohydrate Polymers, 2022, 290, 119444.	5.1	42
7	Bio-polyols based waterborne polyurethane coatings reinforced with chitosan-modified ZnO nanoparticles. International Journal of Biological Macromolecules, 2022, 208, 97-104.	3.6	14
8	Facile fabrication of highly dispersed Pd catalyst on nanoporous chitosan and its application in environmental catalysis. Carbohydrate Polymers, 2022, 286, 119313.	5.1	13
9	High-performance triboelectric nanogenerator based on chitin for mechanical-energy harvesting and self-powered sensing. Carbohydrate Polymers, 2022, 291, 119586.	5.1	23
10	Recent Progress in Highâ€Strength and Robust Regenerated Cellulose Materials. Advanced Materials, 2021, 33, e2000682.	11.1	244
11	Insight into Morphology Change of Chitin Microspheres using Tertiary Butyl Alcohol/H₂O Binary System Freezeâ€Drying Method. Macromolecular Rapid Communications, 2021, 42, e2000502.	2.0	5
12	One-step electrochemically induced counterion exchange to construct free-standing carboxylated cellulose nanofiber/metal composite hydrogels. Carbohydrate Polymers, 2021, 254, 117464.	5.1	11
13	Improving dielectric properties of poly(arylene ether nitrile) composites by employing core-shell structured BaTiO3@polydopamine and MoS2@polydopamine interlinked with poly(ethylene imine) for high-temperature applications. Journal of Alloys and Compounds, 2021, 856, 158213.	2.8	20
14	Chitin microsphere supported Pd nanoparticles as an efficient and recoverable catalyst for CO oxidation and Heck coupling reaction. Carbohydrate Polymers, 2021, 251, 117020.	5.1	20
15	Polyphenol-mediated chitin self-assembly for constructing a fully naturally resourced hydrogel with high strength and toughness. Materials Horizons, 2021, 8, 2503-2512.	6.4	57
16	Metal-free electrochemical C3-sulfonylation of imidazo[1,2-a]pyridines. Organic Chemistry Frontiers, 2021, 8, 3815-3819.	2.3	31
17	Robust, magnetic cellulose/Fe3O4 film with anisotropic sensory property. Cellulose, 2021, 28, 2353-2364.	2.4	6
18	Flame Retardant Modified Bioâ€Based Waterborne Polyurethane Dispersions Derived from Castor Oil and Soy Polyol. European Journal of Lipid Science and Technology, 2021, 123, 2000248.	1.0	18

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19	Noncompressible Hemostasis and Bone Regeneration Induced by an Absorbable Bioadhesive Selfâ€Healing Hydrogel. Advanced Functional Materials, 2021, 31, 2009189.	7.8	133
20	Electrochemical Oxidation Enables Regioselective and Scalable Î±-C(sp³)-H Acyloxylation of Sulfides. Journal of the American Chemical Society, 2021, 143, 3628-3637.	6.6	61
21	Polypyrrole Nanotube Sponge Host for Stable Lithium-Metal Batteries under Lean Electrolyte Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 2543-2551.	3.2	11
22	Injectable chitin hydrogels with self-healing property and biodegradability as stem cell carriers. Carbohydrate Polymers, 2021, 256, 117574.	5.1	32
23	Biocompatible Chitin Hydrogel Incorporated with PEDOT Nanoparticles for Peripheral Nerve Repair. ACS Applied Materials & Interfaces, 2021, 13, 16106-16117.	4.0	67
24	Pt(IV) Prodrugs Designed to Embed in Nanotubes of a Polysaccharide for Drug Delivery. ACS Applied Bio Materials, 2021, 4, 4841-4848.	2.3	5
25	Simultaneously improving the fracture toughness and flame retardancy of soybean oil-based waterborne polyurethane coatings by phosphorus-nitrogen chain extender. Industrial Crops and Products, 2021, 163, 113328.	2.5	24
26	Alternate-Layered MXene Composite Film-Based Triboelectric Nanogenerator with Enhanced Electrical Performance. Nanoscale Research Letters, 2021, 16, 81.	3.1	13
27	Construction of conductive hydroxyethyl cellulose/soy protein isolate/polypyrrole composite sponges and their performances. Cellulose, 2021, 28, 8527-8539.	2.4	1
28	Construction of silver nanoparticles by the triple helical polysaccharide from black fungus and the antibacterial activities. International Journal of Biological Macromolecules, 2021, 182, 1170-1178.	3.6	11
29	V₂CT_x MXene Artificial Solid Electrolyte Interphases toward Dendrite-Free Lithium Metal Anodes. ACS Sustainable Chemistry and Engineering, 2021, 9, 9961-9969.	3.2	13
30	Transparent, conductive cellulose hydrogel for flexible sensor and triboelectric nanogenerator at subzero temperature. Carbohydrate Polymers, 2021, 265, 118078.	5.1	86
31	Continuous Meter-Scale Wet-Spinning of Cornlike Composite Fibers for Eco-Friendly Multifunctional Electronics. ACS Applied Materials & Interfaces, 2021, 13, 40953-40963.	4.0	25
32	Highly Dispersed Pd Clusters Anchored on Nanoporous Cellulose Microspheres as a Highly Efficient Catalyst for the Suzuki Coupling Reaction. ACS Applied Materials & Interfaces, 2021, 13, 44418-44426.	4.0	16
33	Structure and properties of cellulose/HAP nanocomposite hydrogels. International Journal of Biological Macromolecules, 2021, 186, 377-384.	3.6	23
34	Multifunctional chitin-based barrier membrane with antibacterial and osteogenic activities for the treatment of periodontal disease. Carbohydrate Polymers, 2021, 269, 118276.	5.1	37
35	New insights into the anti- hepatoma mechanism of triple-helix Î²- glucan by metabolomics profiling. Carbohydrate Polymers, 2021, 269, 118289.	5.1	10
36	Surface engineering of cellulose film with myristic acid for high strength, self-cleaning and biodegradable packaging materials. Carbohydrate Polymers, 2021, 269, 118315.	5.1	17

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37	Biocompatible, antibacterial and anti-inflammatory zinc ion cross-linked quaternized celluloseâ€‘sodium alginate composite sponges for accelerated wound healing. International Journal of Biological Macromolecules, 2021, 191, 27-39.	3.6	27
38	Highly self-healable and injectable cellulose hydrogels via rapid hydrazone linkage for drug delivery and 3D cell culture. Carbohydrate Polymers, 2021, 273, 118547.	5.1	42
39	Superior strength and highly thermoconductive cellulose/ boron nitride film by stretch-induced alignment. Journal of Materials Chemistry A, 2021, 9, 10304-10315.	5.2	65
40	Research Progress in the Multilayer Hydrogels. Gels, 2021, 7, 172.	2.1	10
41	Construction of chitosan/Ag nanocomposite sponges and their properties. International Journal of Biological Macromolecules, 2021, 192, 272-277.	3.6	20
42	Solvent Mediating the in Situ Self-Assembly of Polysaccharides for 3D Printing Biomimetic Tissue Scaffolds. ACS Nano, 2021, 15, 17790-17803.	7.3	25
43	Ti3Si0.75Al0.25C2 Nanosheets as Promising Anode Material for Li-Ion Batteries. Nanomaterials, 2021, 11, 3449.	1.9	7
44	Construction of Î²-FeOOH@tunicate cellulose nanocomposite hydrogels and their highly efficient photocatalytic properties. Carbohydrate Polymers, 2020, 229, 115470.	5.1	39
45	Strong cellulose hydrogel as underwater superoleophobic coating for efficient oil/water separation. Carbohydrate Polymers, 2020, 229, 115467.	5.1	65
46	Direct current electric field induced gradient hydrogel actuators with rapid thermo-responsive performance as soft manipulators. Journal of Materials Chemistry C, 2020, 8, 2756-2763.	2.7	35
47	Biocompatible and biodegradable chitosan/sodium polyacrylate polyelectrolyte complex hydrogels with smart responsiveness. International Journal of Biological Macromolecules, 2020, 155, 1245-1251.	3.6	26
48	Flexible and strong Fe3O4/cellulose composite film as magnetic and UV sensor. Applied Surface Science, 2020, 507, 145092.	3.1	30
49	Dual Play of Chitinâ€Derived Nâ€Doped Carbon Nanosheets Enabling Highâ€Performance Naâ€Seâ€S₂ Half/Full Cells. Batteries and Supercaps, 2020, 3, 165-173.	2.4	16
50	Green and Economical Strategy for Spinning Robust Cellulose Filaments. ACS Sustainable Chemistry and Engineering, 2020, 8, 14927-14937.	3.2	20
51	Natural polysaccharides with different conformations: extraction, structure and anti-tumor activity. Journal of Materials Chemistry B, 2020, 8, 9652-9667.	2.9	47
52	Facile Construction of a Highly Dispersed Pt Nanocatalyst Anchored on Biomass-Derived N/O-Doped Carbon Nanofibrous Microspheres and Its Catalytic Hydrogenation. ACS Applied Materials & Interfaces, 2020, 12, 51459-51467.	4.0	23
53	The conversion of nanocellulose into solvent-free nanoscale liquid crystals by attaching long side-arms for multi-responsive optical materials. Journal of Materials Chemistry C, 2020, 8, 11022-11031.	2.7	13
54	Rationally exfoliating chitin into 2D hierarchical porous carbon nanosheets for high-rate energy storage. Nano Research, 2020, 13, 1604-1613.	5.8	21

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55	<scp>Highâ€Strength</scp> and Tough Crystalline <scp>Polysaccharideâ€Based</scp> Materials^{â€}. Chinese Journal of Chemistry, 2020, 38, 761-771.	2.6	12
56	Biocompatible cellulose-based supramolecular nanoparticles driven by hostâ€“guest interactions for drug delivery. Carbohydrate Polymers, 2020, 237, 116114.	5.1	34
57	Distinctive Viewpoint on the Rapid Dissolution Mechanism of Î±-Chitin in Aqueous Potassium Hydroxideâ€“Urea Solution at Low Temperatures. Macromolecules, 2020, 53, 5588-5598.	2.2	26
58	Highly stretchable, transparent cellulose/PVA composite hydrogel for multiple sensing and triboelectric nanogenerators. Journal of Materials Chemistry A, 2020, 8, 13935-13941.	5.2	140
59	Universal preparation of cellulose-based colorimetric sensor for heavy metal ion detection. Carbohydrate Polymers, 2020, 236, 116037.	5.1	20
60	Flexible and Transparent Cellulose-Based Ionic Film as a Humidity Sensor. ACS Applied Materials & Interfaces, 2020, 12, 7631-7638.	4.0	105
61	Recent Advances in Chain Conformation and Bioactivities of Triple-Helix Polysaccharides. Biomacromolecules, 2020, 21, 1653-1677.	2.6	137
62	Anti-leukemia activities of selenium nanoparticles embedded in nanotube consisted of triple-helix Î²-d-glucan. Carbohydrate Polymers, 2020, 240, 116329.	5.1	36
63	Poly(arylene ether nitrile) ternary dielectric composites modulated via polydopamine-assisted BaTiO3 decorating MoS2 sheets. Ceramics International, 2020, 46, 19181-19190.	2.3	19
64	Hierarchical microspheres with macropores fabricated from chitin as 3D cell culture. Journal of Materials Chemistry B, 2019, 7, 5190-5198.	2.9	22
65	Transparent, Antifreezing, Ionic Conductive Cellulose Hydrogel with Stable Sensitivity at Subzero Temperature. ACS Applied Materials & Interfaces, 2019, 11, 41710-41716.	4.0	141
66	Customizable Multidimensional Self-Wrinkling Structure Constructed via Modulus Gradient in Chitosan Hydrogels. Chemistry of Materials, 2019, 31, 10032-10039.	3.2	55
67	Shape memory histocompatible and biodegradable sponges for subcutaneous defect filling and repair: greatly reducing surgical incision. Journal of Materials Chemistry B, 2019, 7, 5848-5860.	2.9	23
68	Editable and bidirectional shape memory chitin hydrogels based on physical/chemical crosslinking. Cellulose, 2019, 26, 9085-9094.	2.4	7
69	Mechanically Strong Shape-Memory and Solvent-Resistant Double-Network Polyurethane/Nanoporous Cellulose Gel Nanocomposites. ACS Sustainable Chemistry and Engineering, 2019, 7, 15974-15982.	3.2	26
70	Improvement of polylactic acid film properties through the addition of cellulose nanocrystals isolated from waste cotton cloth. International Journal of Biological Macromolecules, 2019, 129, 878-886.	3.6	50
71	New Approach for the Fabrication of Carboxymethyl Cellulose Nanofibrils and the Reinforcement Effect in Water-Borne Polyurethane. ACS Sustainable Chemistry and Engineering, 2019, 7, 11850-11860.	3.2	31
72	2D ultrathin carbon nanosheets with rich N/O content constructed by stripping bulk chitin for high-performance sodium ion batteries. Nanoscale, 2019, 11, 12626-12636.	2.8	53

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73	Stretchable, tough, self-recoverable, and cytocompatible chitosan/cellulose nanocrystals/polyacrylamide hybrid hydrogels. Carbohydrate Polymers, 2019, 222, 114977.	5.1	44
74	Controllable Wrinkling Patterns on Chitosan Microspheres Generated from Self-Assembling Metal Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 22824-22833.	4.0	20
75	Cellulose/Chitosan Composite Multifilament Fibers with Two-Switch Shape Memory Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 6981-6990.	3.2	62
76	High-Strength and Tough Cellulose Hydrogels Chemically Dual Cross-Linked by Using Low- and High-Molecular-Weight Cross-Linkers. Biomacromolecules, 2019, 20, 1989-1995.	2.6	106
77	Mottâ€“Schottky Effect Leads to Alkyne Semihydrogenation over Pd-Nanocube@N-Doped Carbon. ACS Catalysis, 2019, 9, 4632-4641.	5.5	93
78	Ultrahigh Tough, Super Clear, and Highly Anisotropic Nanofiber-Structured Regenerated Cellulose Films. ACS Nano, 2019, 13, 4843-4853.	7.3	174
79	Mechanically Strong Chitin Fibers with Nanofibril Structure, Biocompatibility, and Biodegradability. Chemistry of Materials, 2019, 31, 2078-2087.	3.2	66
80	Robust chitin films with good biocompatibility and breathable properties. Carbohydrate Polymers, 2019, 212, 361-367.	5.1	46
81	Cross-Linked Cellulose Membranes with Robust Mechanical Property, Self-Adaptive Breathability, and Excellent Biocompatibility. ACS Sustainable Chemistry and Engineering, 2019, 7, 19799-19806.	3.2	29
82	Isolation and characterization of cellulose nanocrystals from pueraria root residue. International Journal of Biological Macromolecules, 2019, 129, 1081-1089.	3.6	61
83	Chain conformation and biological activities of hyperbranched fucoidan derived from brown algae and its desulfated derivative. Carbohydrate Polymers, 2019, 208, 86-96.	5.1	47
84	Injectable, Self-Healing, Î²-Chitin-Based Hydrogels with Excellent Cytocompatibility, Antibacterial Activity, and Potential As Drug/Cell Carriers. ACS Applied Bio Materials, 2019, 2, 196-204.	2.3	42
85	Construction of cellulose/ZnO composite microspheres in NaOH/zinc nitrate aqueous solution via one-step method. Cellulose, 2019, 26, 557-568.	2.4	17
86	Pd/TiO₂ @ Carbon Microspheres Derived from Chitin for Highly Efficient Photocatalytic Degradation of Volatile Organic Compounds. ACS Sustainable Chemistry and Engineering, 2019, 7, 1658-1666.	3.2	34
87	Unique Stress Whitening and High-Toughness Double-Cross-Linked Cellulose Films. ACS Sustainable Chemistry and Engineering, 2019, 7, 1707-1717.	3.2	30
88	Construction of size-controllable gold nanoparticles immobilized on polysaccharide nanotubes by in situ one-pot synthesis. International Journal of Biological Macromolecules, 2018, 113, 240-247.	3.6	16
89	Construction of highly biocompatible hydroxyethyl cellulose/soy protein isolate composite sponges for tissue engineering. Chemical Engineering Journal, 2018, 341, 402-413.	6.6	35
90	Castor oilâ€based polyurethane/silica nanocomposites: Morphology, thermal and mechanical properties. Polymer Composites, 2018, 39, E1800.	2.3	23

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91	Mechanically Strong Multifilament Fibers Spun from Cellulose Solution via Inducing Formation of Nanofibers. ACS Sustainable Chemistry and Engineering, 2018, 6, 5314-5321.	3.2	56
92	Construction of novel cellulose/chitosan composite hydrogels and films and their applications. Cellulose, 2018, 25, 1987-1996.	2.4	45
93	Ultra-small Pd clusters supported by chitin nanowires as highly efficient catalysts. Nano Research, 2018, 11, 3145-3153.	5.8	32
94	Microstructural Characteristics and Mechanical Behavior of Spark Plasma-Sintered Cuâ€“Crâ€“rGO Copper Matrix Composites. Acta Metallurgica Sinica (English Letters), 2018, 31, 761-770.	1.5	16
95	Influences of Coagulation Conditions on the Structure and Properties of Regenerated Cellulose Filaments via Wet-Spinning in LiOH/Urea Solvent. ACS Sustainable Chemistry and Engineering, 2018, 6, 4056-4067.	3.2	47
96	Rubbery Chitosan/Carrageenan Hydrogels Constructed through an Electroneutrality System and Their Potential Application as Cartilage Scaffolds. Biomacromolecules, 2018, 19, 340-352.	2.6	70
97	Homogeneous synthesis and characterization of chitosan ethers prepared in aqueous alkali/urea solutions. Carbohydrate Polymers, 2018, 185, 138-144.	5.1	53
98	Construction of Transparent Cellulose-Based Nanocomposite Papers and Potential Application in Flexible Solar Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 8040-8047.	3.2	86
99	Recent advances in chitin based materials constructed via physical methods. Progress in Polymer Science, 2018, 82, 1-33.	11.8	276
100	Dual Physical Crosslinking Strategy to Construct Moldable Hydrogels with Ultrahigh Strength and Toughness. Advanced Functional Materials, 2018, 28, 1800739.	7.8	125
101	4D Printing of Robust Hydrogels Consisted of Agarose Nanofibers and Polyacrylamide. ACS Macro Letters, 2018, 7, 442-446.	2.3	113
102	Phase transition identification of cellulose nanocrystal suspensions derived from various raw materials. Journal of Applied Polymer Science, 2018, 135, 45702.	1.3	29
103	Reinforcement of Castor Oil-Based Polyurethane with Surface Modification of Attapulgite. Polymers, 2018, 10, 1236.	2.0	12
104	On-Demand Dissolvable Self-Healing Hydrogel Based on Carboxymethyl Chitosan and Cellulose Nanocrystal for Deep Partial Thickness Burn Wound Healing. ACS Applied Materials & Interfaces, 2018, 10, 41076-41088.	4.0	351
105	Triple-Helix Conformation of a Polysaccharide Determined with Light Scattering, AFM, and Molecular Dynamics Simulation. Macromolecules, 2018, 51, 10150-10159.	2.2	48
106	Super Strong All-Cellulose Composite Filaments by Combination of Inducing Nanofiber Formation and Adding Nanofibrillated Cellulose. Biomacromolecules, 2018, 19, 4386-4395.	2.6	27
107	Green Fabrication of Amphiphilic Quaternized Î²â€Chitin Derivatives with Excellent Biocompatibility and Antibacterial Activities for Wound Healing. Advanced Materials, 2018, 30, e1801100.	11.1	242
108	High strength cellulose/ATT composite films with good oxygen barrier property for sustainable packaging applications. Cellulose, 2018, 25, 4145-4154.	2.4	21

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109	Distinctive Construction of Chitin-Derived Hierarchically Porous Carbon Microspheres/Polyaniline for High-Rate Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 28918-28927.	4.0	78
110	Robust Anisotropic Cellulose Hydrogels Fabricated via Strong Self-aggregation Forces for Cardiomyocytes Unidirectional Growth. Chemistry of Materials, 2018, 30, 5175-5183.	3.2	137
111	Mechanically strong polystyrene nanocomposites by peroxide-induced grafting of styrene monomers within nanoporous cellulose gels. Carbohydrate Polymers, 2018, 199, 473-481.	5.1	16
112	Selective hydrothermal degradation of cellulose to formic acid in alkaline solutions. Cellulose, 2018, 25, 5659-5668.	2.4	13
113	One-step synthesis of size-tunable gold nanoparticles immobilized on chitin nanofibrils via green pathway and their potential applications. Chemical Engineering Journal, 2017, 315, 573-582.	6.6	44
114	Ultra-lightweight cellulose foam material: preparation and properties. Cellulose, 2017, 24, 1417-1426.	2.4	45
115	Creation of the tunable color light emission of cellulose hydrogels consisting of primary rare-earth compounds. Carbohydrate Polymers, 2017, 161, 235-243.	5.1	12
116	Ampholytic microspheres constructed from chitosan and carrageenan in alkali/urea aqueous solution for purification of various wastewater. Chemical Engineering Journal, 2017, 317, 766-776.	6.6	72
117	Self-host blue-emitting iridium dendrimer for solution-processed non-doped phosphorescent organic light-emitting diodes with flat efficiency roll-off and less phase segregation. Organic Electronics, 2017, 45, 49-56.	1.4	12
118	Cation/macromolecule interaction in alkaline cellulose solution characterized with pulsed field-gradient spin-echo NMR spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 7486-7490.	1.3	17
119	Recyclable Universal Solvents for Chitin to Chitosan with Various Degrees of Acetylation and Construction of Robust Hydrogels. ACS Sustainable Chemistry and Engineering, 2017, 5, 2725-2733.	3.2	87
120	Dissolution and Metastable Solution of Cellulose in NaOH/Thiourea at 8 Â°C for Construction of Nanofibers. Journal of Physical Chemistry B, 2017, 121, 1793-1801.	1.2	39
121	Highly Efficient One-Step Purification of Sulfated Polysaccharides via Chitosan Microspheres Adsorbents. ACS Sustainable Chemistry and Engineering, 2017, 5, 3195-3203.	3.2	39
122	Construction of alternate layered chitosan/alginate composite hydrogels and their properties. Materials Letters, 2017, 200, 43-46.	1.3	16
123	Structure and mechanical properties of in-situ titanium matrix composites with homogeneous Ti 5 Si 3 equiaxial particle-reinforcements. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 73-79.	2.6	22
124	Extremely Strong and Transparent Chitin Films: A Highâ€Efficiency, Energyâ€Saving, and â€œGreenâ€•Route Using an Aqueous KOH/Urea Solution. Advanced Functional Materials, 2017, 27, 1701100.	7.8	121
125	Hierarchical Microspheres Constructed from Chitin Nanofibers Penetrated Hydroxyapatite Crystals for Bone Regeneration. Biomacromolecules, 2017, 18, 2080-2089.	2.6	42
126	Carbazole-dendrite-encapsulated electron acceptor core for constructing thermally activated delayed fluorescence emitters used in nondoped solution-processed organic light-emitting diodes. Organic Electronics, 2017, 48, 262-270.	1.4	20

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127	Construction of highly stable selenium nanoparticles embedded in hollow nanofibers of polysaccharide and their antitumor activities. Nano Research, 2017, 10, 3775-3789.	5.8	45
128	Weak interactions and their impact on cellulose dissolution in an alkali/urea aqueous system. Physical Chemistry Chemical Physics, 2017, 19, 17909-17917.	1.3	27
129	Construction of blood compatible lysine-immobilized chitin/carbon nanotube microspheres and potential applications for blood purified therapy. Journal of Materials Chemistry B, 2017, 5, 2952-2963.	2.9	70
130	Facile construction of cellulose nanocomposite aerogel containing TiO2 nanoparticles with high content and small size and their applications. Cellulose, 2017, 24, 2229-2240.	2.4	35
131	Influence of cation on the cellulose dissolution investigated by MD simulation and experiments. Cellulose, 2017, 24, 4641-4651.	2.4	18
132	Polyaniline promotes peripheral nerve regeneration by enhancement of the brain-derived neurotrophic factor and ciliary neurotrophic factor expression and activation of the ERK1/2/MAPK signaling pathway. Molecular Medicine Reports, 2017, 16, 7534-7540.	1.1	30
133	High-Strength Films Consisted of Oriented Chitosan Nanofibers for Guiding Cell Growth. Biomacromolecules, 2017, 18, 3904-3912.	2.6	48
134	Biocompatible and Biodegradable Bioplastics Constructed from Chitin via a â€œGreenâ€•Pathway for Bone Repair. ACS Sustainable Chemistry and Engineering, 2017, 5, 9126-9135.	3.2	71
135	Extended chain conformation of Î²-glucan and its effect on antitumor activity. Journal of Materials Chemistry B, 2017, 5, 5623-5631.	2.9	43
136	Biocompatible chitin/carbon nanotubes composite hydrogels as neuronal growth substrates. Carbohydrate Polymers, 2017, 174, 830-840.	5.1	108
137	Heat-induced conformation transition of the comb-branched Î²-glucan in dimethyl sulfoxide/water mixture. Carbohydrate Polymers, 2017, 157, 1404-1412.	5.1	8
138	Bilayer hydrogel actuators with tight interfacial adhesion fully constructed from natural polysaccharides. Soft Matter, 2017, 13, 345-354.	1.2	144
139	Highly Efficient Selfâ€Healable and Dual Responsive Celluloseâ€Based Hydrogels for Controlled Release and 3D Cell Culture. Advanced Functional Materials, 2017, 27, 1703174.	7.8	325
140	Deformation Drives Alignment of Nanofibers in Framework for Inducing Anisotropic Cellulose Hydrogels with High Toughness. ACS Applied Materials & Interfaces, 2017, 9, 43154-43162.	4.0	96
141	Facile oneâ€step synthesis of bioâ€based AESO resins. European Journal of Lipid Science and Technology, 2016, 118, 1463-1469.	1.0	17
142	Construction of Fluorescent Cellulose Biobased Plastics and their Potential Application in Anti-Counterfeiting Banknotes. Macromolecular Materials and Engineering, 2016, 301, 377-382.	1.7	14
143	A Hierarchical N/Sâ€Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1501929.	10.2	460
144	Natural Materials Assembled, Biodegradable, and Transparent Paper-Based Electret Nanogenerator. ACS Applied Materials & Interfaces, 2016, 8, 35587-35592.	4.0	74

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145	Methoxycarbonylation of 1,6-hexanediamine with dimethyl carbonate to dimethylhexane-1,6-dicarbamate over Zn/SiO₂ catalyst. RSC Advances, 2016, 6, 51446-51455.	1.7	10
146	The linear structure of Î²-glucan from bakerâ€™s yeast and its activation of macrophage-like RAW264.7 cells. Carbohydrate Polymers, 2016, 148, 61-68.	5.1	42
147	Highly Selective Conversion of Cellobiose and Cellulose to Hexitols by Ru-Based Homogeneous Catalyst under Acidic Conditions. Industrial & Engineering Chemistry Research, 2016, 55, 5263-5270.	1.8	12
148	Strong and Rapidly Selfâ€Healing Hydrogels: Potential Hemostatic Materials. Advanced Healthcare Materials, 2016, 5, 2813-2822.	3.9	138
149	Fabrication of Hollow Materials by Fast Pyrolysis of Cellulose Composite Fibers with Heterogeneous Structures. Angewandte Chemie - International Edition, 2016, 55, 13504-13508.	7.2	21
150	Fabrication of Hollow Materials by Fast Pyrolysis of Cellulose Composite Fibers with Heterogeneous Structures. Angewandte Chemie, 2016, 128, 13702-13706.	1.6	2
151	Spherical nanocomposite particles prepared from mixed celluloseâ€“chitosan solutions. Cellulose, 2016, 23, 3105-3115.	2.4	40
152	Light weight, mechanically strong and biocompatible Î±-chitin aerogels from different aqueous alkali hydroxide/urea solutions. Science China Chemistry, 2016, 59, 1405-1414.	4.2	27
153	Unique elastic N-doped carbon nanofibrous microspheres with hierarchical porosity derived from renewable chitin for high rate supercapacitors. Nano Energy, 2016, 27, 482-491.	8.2	299
154	Construction of biocompatible regenerated cellulose/SPI composite beads using high-voltage electrostatic technique. RSC Advances, 2016, 6, 52528-52538.	1.7	10
155	Rapid dissolution of spruce cellulose in H2SO4 aqueous solution at low temperature. Cellulose, 2016, 23, 3463-3473.	2.4	29
156	Improved Mechanical Properties and Sustained Release Behavior of Cationic Cellulose Nanocrystals Reinforeced Cationic Cellulose Injectable Hydrogels. Biomacromolecules, 2016, 17, 2839-2848.	2.6	87
157	Ultraâ€Stretchable and Forceâ€Sensitive Hydrogels Reinforced with Chitosan Microspheres Embedded in Polymer Networks. Advanced Materials, 2016, 28, 8037-8044.	11.1	274
158	Highâ€Strength and Highâ€Toughness Doubleâ€Crossâ€Linked Cellulose Hydrogels: A New Strategy Using Sequential Chemical and Physical Crossâ€Linking. Advanced Functional Materials, 2016, 26, 6279-6287.	7.8	400
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