

Jinmei He

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59
papers

1,709
citations

25
h-index

40
g-index

62
ext. papers

2,180
ext. citations

6.3
avg, IF

5.25
L-index

#	Paper	IF	Citations
59	Interfacial characterization, control and modification of carbon fiber reinforced polymer composites. <i>Composites Science and Technology</i> , 2015 , 121, 56-72	8.6	143
58	Preparation and Characterization of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO)-Oxidized Cellulose Nanocrystal/Alginate Biodegradable Composite Dressing for Hemostasis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3819-3828	8.3	106
57	Green Synthesis of Fluorescent Carbon Dots from Gynostemma for Bioimaging and Antioxidant in Zebrafish. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9832-9840	9.5	100
56	Adsorption of lysozyme by alginate/graphene oxide composite beads with enhanced stability and mechanical property. <i>Materials Science and Engineering C</i> , 2018 , 89, 25-32	8.3	94
55	Characterization of calcium alginate/ deacetylated konjac glucomannan blend films prepared by Ca ²⁺ crosslinking and deacetylation. <i>Food Hydrocolloids</i> , 2018 , 82, 363-369	10.6	74
54	Improved mechanical properties of carbon fiber-reinforced epoxy composites by growing carbon black on carbon fiber surface. <i>Composites Science and Technology</i> , 2017 , 149, 75-80	8.6	68
53	Biodegradable collagen sponge reinforced with chitosan/calcium pyrophosphate nanoflowers for rapid hemostasis. <i>Carbohydrate Polymers</i> , 2017 , 170, 271-280	10.3	67
52	Improving surface and mechanical properties of alginate films by using ethanol as a co-solvent during external gelation. <i>Carbohydrate Polymers</i> , 2015 , 123, 208-16	10.3	58
51	Preparation of pH-responsive mesoporous hydroxyapatite nanoparticles for intracellular controlled release of an anticancer drug. <i>Biomaterials Science</i> , 2016 , 4, 272-80	7.4	55
50	Role of alginate in antibacterial finishing of textiles. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 466-473	7.9	50
49	Chitosan capped pH-responsive hollow mesoporous silica nanoparticles for targeted chemo-photo combination therapy. <i>Carbohydrate Polymers</i> , 2020 , 231, 115706	10.3	49
48	Effective co-delivery of doxorubicin and curcumin using a glycyrrhetic acid-modified chitosan-cystamine-poly(ϵ -caprolactone) copolymer micelle for combination cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 526-538	6	47
47	Oxidized cellulose-based hemostatic materials. <i>Carbohydrate Polymers</i> , 2020 , 230, 115585	10.3	47
46	Oxidized regenerated cellulose-based hemostat with microscopically gradient structure. <i>Carbohydrate Polymers</i> , 2012 , 88, 1023-1032	10.3	45
45	Biodegradable N, O-carboxymethyl chitosan/oxidized regenerated cellulose composite gauze as a barrier for preventing postoperative adhesion. <i>Carbohydrate Polymers</i> , 2019 , 207, 180-190	10.3	44
44	Improvement of atomic oxygen erosion resistance of carbon fiber and carbon fiber/epoxy composite interface with a silane coupling agent. <i>Materials and Design</i> , 2016 , 109, 171-178	8.1	42
43	Injectable, self-healing, antibacterial, and hemostatic N,O-carboxymethyl chitosan/oxidized chondroitin sulfate composite hydrogel for wound dressing. <i>Materials Science and Engineering C</i> , 2021 , 118, 111324	8.3	42

42	Mussel-inspired adhesive and conductive hydrogel with tunable mechanical properties for wearable strain sensors. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 420-432	9.3	41
41	pH-Sensitive mesoporous silica nanoparticles for chemo-photodynamic combination therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 442-448	6	33
40	Reinforced collagen with oxidized microcrystalline cellulose shows improved hemostatic effects. <i>Carbohydrate Polymers</i> , 2017 , 165, 30-38	10.3	32
39	Antibacterial and hemostatic composite gauze of N,O-carboxymethyl chitosan/oxidized regenerated cellulose. <i>RSC Advances</i> , 2016 , 6, 94429-94436	3.7	32
38	Generation of Cost-Effective Paper-Based Tissue Models through Matrix-Assisted Sacrificial 3D Printing. <i>Nano Letters</i> , 2019 , 19, 3603-3611	11.5	30
37	Preparation and characterization of oxidized regenerated cellulose film for hemostasis and the effect of blood on its surface. <i>Cellulose</i> , 2013 , 20, 2547-2558	5.5	28
36	Carbon nanotube-modified oxidized regenerated cellulose gauzes for hemostatic applications. <i>Carbohydrate Polymers</i> , 2018 , 183, 246-253	10.3	26
35	Chitosan based pH-responsive polymeric prodrug vector for enhanced tumor targeted co-delivery of doxorubicin and siRNA. <i>Carbohydrate Polymers</i> , 2020 , 250, 116781	10.3	26
34	A new insight to the effect of calcium concentration on gelation process and physical properties of alginate films. <i>Journal of Materials Science</i> , 2016 , 51, 5791-5801	4.3	25
33	Intracellular pH-responsive mesoporous hydroxyapatite nanoparticles for targeted release of anticancer drug. <i>RSC Advances</i> , 2015 , 5, 30920-30928	3.7	22
32	Acid-sensitive polymeric vector targeting to hepatocarcinoma cells via glycyrrhetic acid receptor-mediated endocytosis. <i>Materials Science and Engineering C</i> , 2018 , 87, 32-40	8.3	22
31	Preparation of the water-soluble chitosan-coated oxidized regenerated cellulose gauze. <i>Cellulose</i> , 2011 , 18, 1651-1659	5.5	21
30	Improved interfacial properties of carbon fiber/unsaturated polyester composites through coating polyhedral oligomeric silsesquioxane on carbon fiber surface. <i>Fibers and Polymers</i> , 2014 , 15, 566-573	2	19
29	Enhanced oxidized regenerated cellulose with functionalized multiwalled carbon nanotubes for hemostasis applications. <i>RSC Advances</i> , 2014 , 4, 52372-52378	3.7	17
28	Spontaneous and efficient adsorption of lysozyme from aqueous solutions by naturally polyanion gel beads. <i>Materials Science and Engineering C</i> , 2017 , 76, 130-138	8.3	16
27	Processing, characterization and hemostatic mechanism of a ultraporous collagen/ORC biodegradable composite with excellent biological effectiveness. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29183-29191	3.6	14
26	Mussel-mimetic polymer underwater adhesives with l-Dopa functionality: influencing adhesion properties and simplified operation procedures. <i>Journal of Materials Science</i> , 2020 , 55, 7981-7997	4.3	13
25	Water soluble carboxymethylcellulose fibers derived from alkalization-etherification of viscose fibers. <i>Fibers and Polymers</i> , 2012 , 13, 748-753	2	12

24	Effects of chain lengths, molecular orientation, and functional groups of thiols adsorbed onto CF surface on interfacial properties of CF/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3380-3387	2.9	12
23	Adhesion force measured by atomic force microscopy for direct carbon fiber-epoxy interfacial characterization. <i>Materials and Design</i> , 2018 , 145, 218-225	8.1	11
22	Preparation, functional characterization and hemostatic mechanism discussion for oxidized microcrystalline cellulose and its composites. <i>Fibers and Polymers</i> , 2016 , 17, 1277-1286	2	11
21	Irradiation of poly(L-lactide) biopolymer reinforced with functionalized MWCNTs. <i>RSC Advances</i> , 2015 , 5, 55544-55549	3.7	10
20	Expanding sacrificially printed microfluidic channel-embedded paper devices for construction of volumetric tissue models in vitro. <i>Biofabrication</i> , 2020 , 12, 045027	10.5	10
19	Heat resistance of acrylic pressure-sensitive adhesives based on commercial curing agents and UV/heat curing systems. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47310	2.9	10
18	Manufacturing and physical characterization of absorbable oxidized regenerated cellulose braided surgical sutures. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 56-62	7.9	9
17	Antibacterial, hemostasis, adhesive, self-healing polysaccharides-based composite hydrogel wound dressing for the prevention and treatment of postoperative adhesion. <i>Materials Science and Engineering C</i> , 2021 , 123, 111978	8.3	9
16	Fabrication of acrylic pressure-sensitive adhesives containing maleimide for heat-resistant adhesive applications. <i>Polymer Bulletin</i> , 2019 , 76, 3093-3112	2.4	9
15	Mechanical and Gas Barrier Properties of Structurally Enhanced Poly(ethylene terephthalate) by Introducing 1,6-Hexylenediamine Unit. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21872-21880 ⁸	3.9	8
14	Mussel-inspired polymer: A photocurable and degradable polymer network for adhesives. <i>Polymer Degradation and Stability</i> , 2019 , 167, 130-138	4.7	7
13	Artificial extracellular matrix delivers TGFb1 regulating myofibroblast differentiation. <i>RSC Advances</i> , 2016 , 6, 21922-21928	3.7	7
12	Carboxymethyl chitosan based redox-responsive micelle for near-infrared fluorescence image-guided photo-chemotherapy of liver cancer. <i>Carbohydrate Polymers</i> , 2021 , 253, 117284	10.3	7
11	Fabrication of oxidized sodium carboxymethylcellulose from viscose fibers and their viscosity behaviors. <i>Fibers and Polymers</i> , 2013 , 14, 1266-1270	2	6
10	Tailored Natural Polysaccharides Beads as Green Sorbents for Efficient Lysozyme Adsorption. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 2803-2812	4.5	4
9	Facile synthesis of a carbon dots and silver nanoparticles (CDs/AgNPs) composite for antibacterial application.. <i>RSC Advances</i> , 2021 , 11, 18417-18422	3.7	3
8	Improved interfacial properties of carbon fiber-reinforced epoxy composites with Fe ₂ O ₃ /graphene nanosheets using a magnetic field. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 1018-1026	2	3
7	Fabrication of a graphene oxide/nanoscale aramid fiber composite membrane with improved hydrophilicity and mechanical strength via a fast-drying method using absolute ethanol as proton donor. <i>Journal of Materials Science</i> , 2018 , 53, 16383-16392	4.3	2

6	Antimicrobial Surgical Sutures: Fabrication and Application of Infection Prevention and Wound Healing. <i>Fibers and Polymers</i> , 2021 , 22, 2355-2367	2	2
5	A nucleobase-inspired super adhesive hydrogel with desirable mechanical, tough and fatigue resistant properties based on cytosine and ϵ -caprolactone. <i>European Polymer Journal</i> , 2020 , 133, 109741	5.2	1
4	Improved atomic oxygen erosion resistance of the carbon fibre/epoxy interface with polyhedral oligomeric silsesquioxane. <i>High Performance Polymers</i> , 2020 , 32, 681-692	1.6	1
3	Alginate-based Films and Membranes: Preparation, Characterization and Applications 2016 , 457-489		1
2	Synthesis and properties of poly(ethylene terephthalate) modified with a small amount of 1,10-decanediamine and hydrogen bonds. <i>Journal of Materials Science</i> , 2021 , 56, 4922-4939	4.3	1
1	Highly transparent biaxially oriented poly(ester amide) film with improved gas barrier properties and good mechanical strength. <i>European Polymer Journal</i> , 2021 , 156, 110620	5.2	1