Hongjun Yang

List of Publications by Year
in descending order

Version: 2024-02-01

57 papers	1,850 citations	279798 23 h-index	265206 42 g-index
57 all docs	57 docs citations	57 times ranked	2013 citing authors

#	Article	IF	Citations
1	Dopamine-Modified Hyaluronic Acid Hydrogel Adhesives with Fast-Forming and High Tissue Adhesion. ACS Applied Materials & Interfaces, 2020, 12, 18225-18234.	8.0	175
2	Electrospinning of carboxyethyl chitosan/poly(vinyl alcohol)/silk fibroin nanoparticles for wound dressings. International Journal of Biological Macromolecules, 2013, 53, 88-92.	7.5	159
3	Self-healing hyaluronic acid hydrogels based on dynamic Schiff base linkages as biomaterials. Carbohydrate Polymers, 2020, 250, 116922.	10.2	147
4	A new self-desalting solar evaporation system based on a vertically oriented porous polyacrylonitrile foam. Journal of Materials Chemistry A, 2019, 7, 14620-14628.	10.3	128
5	Photopolymerized maleilated chitosan/methacrylated silk fibroin micro/nanocomposite hydrogels as potential scaffolds for cartilage tissue engineering. International Journal of Biological Macromolecules, 2018, 108, 383-390.	7.5	94
6	Fabrication of durable antibacterial and superhydrophobic textiles via in situ synthesis of silver nanoparticle on tannic acid-coated viscose textiles. Cellulose, 2019, 26, 2109-2122.	4.9	77
7	Blackbody-Inspired Array Structural Polypyrrole-Sunflower Disc with Extremely High Light Absorption for Efficient Photothermal Evaporation. ACS Applied Materials & Interfaces, 2020, 12, 46653-46660.	8.0	74
8	Banyan-inspired hierarchical evaporators for efficient solar photothermal conversion. Applied Energy, 2020, 276, 115545.	10.1	63
9	A bioinspired 3D solar evaporator with balanced water supply and evaporation for highly efficient photothermal steam generation. Journal of Materials Chemistry A, 2022, 10, 2856-2866.	10.3	61
10	Morphology and performance control of PLLA-based porous membranes by phase separation. Polymer, 2013, 54, 5965-5973.	3.8	54
11	Vertically aligned Juncus effusus fibril composites for omnidirectional solar evaporation. Carbon, 2020, 156, 225-233.	10.3	54
12	Biocompatible and degradable Bletilla striata polysaccharide hemostasis sponges constructed from natural medicinal herb Bletilla striata. Carbohydrate Polymers, 2019, 226, 115304.	10.2	46
13	High-Performance Photopolymerized Poly(vinyl alcohol)/Silica Nanocomposite Hydrogels with Enhanced Cell Adhesion. ACS Applied Materials & Interfaces, 2018, 10, 27692-27700.	8.0	44
14	Three-Dimensional Wood-Inspired Bilayer Membrane Device Containing Microchannels for Highly Efficient Solar Steam Generation. ACS Applied Materials & Interfaces, 2020, 12, 24328-24338.	8.0	44
15	Photopolymerized maleilated chitosan/thiol-terminated poly (vinyl alcohol) hydrogels as potential tissue engineering scaffolds. Carbohydrate Polymers, 2018, 184, 383-389.	10.2	43
16	Robust fluorine-free colorful superhydrophobic PDMS/NH2-MIL-125(Ti)@cotton fabrics for improved ultraviolet resistance and efficient oilâ€“water separation. Cellulose, 2019, 26, 9335-9348.	4.9	40
17	Structure and thermal properties of porous polylactic acid membranes prepared via phase inversion induced by hot water droplets. Polymer, 2018, 141, 62-69.	3.8	37
18	Photocrosslinked maleilated chitosan/methacrylated poly (vinyl alcohol) bicomponent nanofibrous scaffolds for use as potential wound dressings. Carbohydrate Polymers, 2017, 168, 220-226.	10.2	36

#	Article	IF	Citations
19	Photopolymerizable thiol-acrylate maleiated hyaluronic acid/thiol-terminated poly(ethylene glycol) hydrogels as potential in-situ formable scaffolds. International Journal of Biological Macromolecules, 2018, 119, 270-277.	7.5	33
20	Carboxymethylated hyperbranched polysaccharide: Synthesis, solution properties, and fabrication of hydrogel. Carbohydrate Polymers, 2015, 128, 179-187.	10.2	29
21	Photopolymerized water-soluble maleilated chitosan/methacrylated poly (vinyl alcohol) hydrogels as potential tissue engineering scaffolds. International Journal of Biological Macromolecules, 2018, 106, 227-233.	7.5	28
22	N-carboxyethyl chitosan fibers prepared as potential use in tissue engineering. International Journal of Biological Macromolecules, 2016, 82, 1018-1022.	7.5	25
23	Small-diameter polyurethane vascular graft with high strength and excellent compliance. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104614.	3.1	25
24	Preparation of wet-spun polysaccharide fibers from Chinese medicinal Bletilla striata. Materials Letters, 2014, 117, 208-210.	2.6	24
25	Multiple Crosslinking Hyaluronic Acid Hydrogels with Improved Strength and 3D Printability. ACS Applied Bio Materials, 2022, 5, 334-343.	4.6	24
26	Wet spinning of Bletilla striata polysaccharide/silk fibroin hybrid fibers. Materials Letters, 2015, 161, 576-579.	2.6	22
27	Photopolymerizable chitosan hydrogels with improved strength and 3D printability. International Journal of Biological Macromolecules, 2021, 193, 109-116.	7.5	22
28	Formation, morphology and control of high-performance biomedical polyurethane porous membranes by water micro-droplet induced phase inversion. Polymer, 2014, 55, 5500-5508.	3.8	21
29	Effect of temperature on the morphology of poly (lactic acid) porous membrane prepared via phase inversion induced by water droplets. International Journal of Biological Macromolecules, 2019, 133, 902-910.	7.5	21
30	Plant-inspired design from carbon fiber toward high-performance salt-resistant solar interfacial evaporation. Solar Energy, 2022, 233, 134-141.	6.1	20
31	The formation of regular porous polyurethane membrane via phase separation induced by water droplets from ultrasonic atomizer. Materials Letters, 2013, 100, 23-25.	2.6	18
32	Bioinspired cellulose membrane with hierarchically porous structure for highly efficient solar steam generation. Cellulose, 2020, 27, 8255-8267.	4.9	17
33	Influence of weftâ€knitted tubular fabric on radial mechanical property of coaxial threeâ€layer smallâ€diameter vascular graft. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 342-349.	3.4	14
34	Wood-Inspired Fabrication of Polyacrylonitrile Solid Foam with Superfast and High Absorption Capacity for Liquid Without Selectivity. ACS Applied Materials & Interfaces, 2018, 10, 41871-41877.	8.0	13
35	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. Ionics, 2018, 24, 297-301.	2.4	10
36	Effect of poly (lactic acid) porous membrane prepared via phase inversion induced by water droplets on 3T3 cell behavior. International Journal of Biological Macromolecules, 2021, 183, 2205-2214.	7.5	10

#	Article	IF	Citations
37	Photocrosslinked methacrylated chitosan-based nanofibrous scaffolds as potential skin substitute. Cellulose, 2017, 24, 4253-4262.	4.9	9
38	Preparation and Characterization of Carboxymethyl-Functionalized Chitosan Fiber. Journal of Natural Fibers, 2015, 12, 211-221.	3.1	7
39	Feasibility and properties of polypropylene composites reinforced with down feather whisker. Journal of Thermoplastic Composite Materials, 2015, 28, 19-31.	4.2	7
40	Photopolymerized Injectable Water-soluble Maleilated Chitosan/ Poly(ethylene glycol) Diacrylate Hydrogels as Potential Tissue Engineering Scaffolds. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 33-40.	0.3	7
41	Effect of temperature on the thermal property and crystallization behavior of poly (lactic acid) porous membrane prepared via phase separation induced by water microdroplets. International Journal of Biological Macromolecules, 2020, 147, 1185-1192.	7.5	6
42	Microstructure and mechanical properties of polyurethane fibrous membrane. Fibers and Polymers, 2012, 13, 1239-1248.	2.1	5
43	The formation of the <scp>S</scp>â€shaped edgeâ€on lamellae on the thin porous polylactic acid membrane via phase separation induced by water microdroplets. Journal of Applied Polymer Science, 2016, 133, .	2.6	5
44	The effect of native silk fibroin powder on the physical properties and biocompatibility of biomedical polyurethane membrane. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 337-346.	1.8	5
45	Preparation of pure egg albumen fiber through coaxial wet-spinning. Materials Letters, 2019, 253, 63-66.	2.6	5
46	A novel fiber from Bletilla striata tuber: physical properties and application. Cellulose, 2019, 26, 5201-5210.	4.9	5
47	Solidâ€“Liquid Phase Equilibrium of the Aqueous Ternary Systems (MgCl2 + MgB4O7 + H2O) and (MgCl2 +) Tj ETQq1 1 0.784314 rgBT	1.9	5
48	Fabrication and characterization of silk fibroin powder/polyurethane fibrous membrane. Polymer Engineering and Science, 2012, 52, 2025-2032.	3.1	4
49	Effect of Silane Coupling Agent on Physical Properties of Polypropylene Membrane Reinforced by Native Superfine down Powder. Polymers and Polymer Composites, 2014, 22, 509-518.	1.9	4
50	Improvement of histocompatibility of silk fibroin/polyurethane membrane with controlled release of aspirin. Journal of Applied Polymer Science, 2014, 131, .	2.6	4
51	The effect of natural silk fibroin microparticles on the physical properties and drug release behavior of biomedical polyurethane filament. Journal of the Textile Institute, 2019, 110, 396-404.	1.9	4
52	Effect of coagulation bath parameters on the morphology and absorption behavior of a skinâ€“core filament based on biomedical polyurethane and native silk fibroin microparticles. Textile Reseach Journal, 2020, 90, 460-468.	2.2	4
53	Bioinspired Cellulose Foam with Excellent Water Wicking and Flux Properties Prepared Using Ice Template. Journal of Physical Chemistry B, 2021, 125, 5853-5861.	2.6	4
54	Raman spectroscopy study for the systems (LiCl-H2O and LiCl-MgCl2-H2O): excess spectra and hydration shell spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 267, 120543.	3.9	4

#	Article	IF	Citations
55	Modification of polysulfones by click chemistry: Zwitterionic graft complex and their antiprotein fouling property. Journal of Applied Polymer Science, 2015, 132, .	2.6	2
56	Electrospun MnCo2O4/C composite nanofibers as anodes with improved lithium storage performance. Ionics, 2020, 26, 1229-1238.	2.4	1
57	Woodâ€inspired polyacrylonitrile foam with hierarchically aligned porous structure for application in water purification. Journal of Applied Polymer Science, 2021, 138, 50870.	2.6	1