

# Hongjun Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3822475/publications.pdf>

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	A bioinspired 3D solar evaporator with balanced water supply and evaporation for highly efficient photothermal steam generation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2856-2866.	10.3	61
2	Plant-inspired design from carbon fiber toward high-performance salt-resistant solar interfacial evaporation. <i>Solar Energy</i> , 2022, 233, 134-141.	6.1	20
3	Multiple Crosslinking Hyaluronic Acid Hydrogels with Improved Strength and 3D Printability. <i>ACS Applied Bio Materials</i> , 2022, 5, 334-343.	4.6	24
4	Wood-inspired polyacrylonitrile foam with hierarchically aligned porous structure for application in water purification. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50870.	2.6	1
5	Bioinspired Cellulose Foam with Excellent Water Wicking and Flux Properties Prepared Using Ice Template. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5853-5861.	2.6	4
6	Effect of poly (lactic acid) porous membrane prepared via phase inversion induced by water droplets on 3T3 cell behavior. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 2205-2214.	7.5	10
7	Small-diameter polyurethane vascular graft with high strength and excellent compliance. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104614.	3.1	25
8	Photopolymerizable chitosan hydrogels with improved strength and 3D printability. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 109-116.	7.5	22
9	Raman spectroscopy study for the systems (LiCl-H <sub>2</sub> O and LiCl-MgCl <sub>2</sub> -H <sub>2</sub> O): excess spectra and hydration shell spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 267, 120543.	3.9	4
10	Vertically aligned <i>Juncus effusus</i> fibril composites for omnidirectional solar evaporation. <i>Carbon</i> , 2020, 156, 225-233.	10.3	54
11	Effect of coagulation bath parameters on the morphology and absorption behavior of a skin-core filament based on biomedical polyurethane and native silk fibroin microparticles. <i>Textile Research Journal</i> , 2020, 90, 460-468.	2.2	4
12	Electrospun MnCo <sub>2</sub> O <sub>4</sub> /C composite nanofibers as anodes with improved lithium storage performance. <i>Ionics</i> , 2020, 26, 1229-1238.	2.4	1
13	Solid-Liquid Phase Equilibrium of the Aqueous Ternary Systems (MgCl <sub>2</sub> + MgB <sub>4</sub> O <sub>7</sub> + H <sub>2</sub> O) and (MgCl <sub>2</sub> + Tj ETQ <sub>0</sub> ) <sub>1</sub> 1 0.784314 rgB	1.9	5
14	Effect of temperature on the thermal property and crystallization behavior of poly (lactic acid) porous membrane prepared via phase separation induced by water microdroplets. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1185-1192.	7.5	6
15	Banyan-inspired hierarchical evaporators for efficient solar photothermal conversion. <i>Applied Energy</i> , 2020, 276, 115545.	10.1	63
16	Bioinspired cellulose membrane with hierarchically porous structure for highly efficient solar steam generation. <i>Cellulose</i> , 2020, 27, 8255-8267.	4.9	17
17	Self-healing hyaluronic acid hydrogels based on dynamic Schiff base linkages as biomaterials. <i>Carbohydrate Polymers</i> , 2020, 250, 116922.	10.2	147
18	Blackbody-Inspired Array Structural Polypyrrole-Sunflower Disc with Extremely High Light Absorption for Efficient Photothermal Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 46653-46660.	8.0	74

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Wood-Inspired Bilayer Membrane Device Containing Microchannels for Highly Efficient Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24328-24338.	8.0	44
20	Dopamine-Modified Hyaluronic Acid Hydrogel Adhesives with Fast-Forming and High Tissue Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18225-18234.	8.0	175
21	The effect of natural silk fibroin microparticles on the physical properties and drug release behavior of biomedical polyurethane filament. <i>Journal of the Textile Institute</i> , 2019, 110, 396-404.	1.9	4
22	Robust fluorine-free colorful superhydrophobic PDMS/NH <sub>2</sub> -MIL-125(Ti)@cotton fabrics for improved ultraviolet resistance and efficient oil/water separation. <i>Cellulose</i> , 2019, 26, 9335-9348.	4.9	40
23	Biocompatible and degradable <i>Bletilla striata</i> polysaccharide hemostasis sponges constructed from natural medicinal herb <i>Bletilla striata</i> . <i>Carbohydrate Polymers</i> , 2019, 226, 115304.	10.2	46
24	Preparation of pure egg albumen fiber through coaxial wet-spinning. <i>Materials Letters</i> , 2019, 253, 63-66.	2.6	5
25	A new self-desalting solar evaporation system based on a vertically oriented porous polyacrylonitrile foam. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14620-14628.	10.3	128
26	A novel fiber from <i>Bletilla striata</i> tuber: physical properties and application. <i>Cellulose</i> , 2019, 26, 5201-5210.	4.9	5
27	Effect of temperature on the morphology of poly (lactic acid) porous membrane prepared via phase inversion induced by water droplets. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 902-910.	7.5	21
28	Fabrication of durable antibacterial and superhydrophobic textiles via in situ synthesis of silver nanoparticle on tannic acid-coated viscose textiles. <i>Cellulose</i> , 2019, 26, 2109-2122.	4.9	77
29	Photopolymerized maleilated chitosan/thiol-terminated poly (vinyl alcohol) hydrogels as potential tissue engineering scaffolds. <i>Carbohydrate Polymers</i> , 2018, 184, 383-389.	10.2	43
30	Structure and thermal properties of porous polylactic acid membranes prepared via phase inversion induced by hot water droplets. <i>Polymer</i> , 2018, 141, 62-69.	3.8	37
31	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. <i>Ionics</i> , 2018, 24, 297-301.	2.4	10
32	Photopolymerized maleilated chitosan/methacrylated silk fibroin micro/nanocomposite hydrogels as potential scaffolds for cartilage tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 383-390.	7.5	94
33	Photopolymerized water-soluble maleilated chitosan/methacrylated poly (vinyl alcohol) hydrogels as potential tissue engineering scaffolds. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 227-233.	7.5	28
34	Wood-Inspired Fabrication of Polyacrylonitrile Solid Foam with Superfast and High Absorption Capacity for Liquid Without Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41871-41877.	8.0	13
35	Photopolymerizable thiol-acrylate maleilated hyaluronic acid/thiol-terminated poly(ethylene glycol) hydrogels as potential in-situ formable scaffolds. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 270-277.	7.5	33
36	High-Performance Photopolymerized Poly(vinyl alcohol)/Silica Nanocomposite Hydrogels with Enhanced Cell Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27692-27700.	8.0	44

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Photocrosslinked methacrylated chitosan-based nanofibrous scaffolds as potential skin substitute. Cellulose, 2017, 24, 4253-4262.	4.9	9
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	The formation of the <sc>S</sc>-shaped edge-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
42	N-carboxyethyl chitosan fibers prepared as potential use in tissue engineering. International Journal of Biological Macromolecules, 2016, 82, 1018-1022.	7.5	25
43	Carboxymethylated hyperbranched polysaccharide: Synthesis, solution properties, and fabrication of hydrogel. Carbohydrate Polymers, 2015, 128, 179-187.	10.2	29
44	Preparation and Characterization of Carboxymethyl-Functionalized Chitosan Fiber. Journal of Natural Fibers, 2015, 12, 211-221.	3.1	7
45	Feasibility and properties of polypropylene composites reinforced with down feather whisker. Journal of Thermoplastic Composite Materials, 2015, 28, 19-31.	4.2	7
46	Wet spinning of Bletilla striata polysaccharide/silk fibroin hybrid fibers. Materials Letters, 2015, 161, 576-579.	2.6	22
47	Modification of polysulfones by click chemistry: Zwitterionic graft complex and their antiprotein fouling property. Journal of Applied Polymer Science, 2015, 132, .	2.6	2
48	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
49	Preparation of wet-spun polysaccharide fibers from Chinese medicinal Bletilla striata. Materials Letters, 2014, 117, 208-210.	2.6	24
50	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
51	Improvement of histocompatibility of silk fibroin/polyurethane membrane with controlled release of aspirin. Journal of Applied Polymer Science, 2014, 131, .	2.6	4
52	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
53	Morphology and performance control of PLLA-based porous membranes by phase separation. Polymer, 2013, 54, 5965-5973.	3.8	54
54	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

#	ARTICLE	IF	CITATIONS
55	Microstructure and mechanical properties of polyurethane fibrous membrane. <i>Fibers and Polymers</i> , 2012, 13, 1239-1248.	2.1	5
56	Fabrication and characterization of silk fibroin powder/polyurethane fibrous membrane. <i>Polymer Engineering and Science</i> , 2012, 52, 2025-2032.	3.1	4
57	Influence of weft-knitted tubular fabric on radial mechanical property of coaxial three-layer small-diameter vascular graft. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 342-349.	3.4	14