

Jiashen Li

List of Publications by Year in descending order

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65
papers

2,220
citations

218677

26
h-index

233421

45
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66
all docs

66
docs citations

66
times ranked

2866
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable production of highly conductive multilayer graphene ink for wireless connectivity and IoT applications. <i>Nature Communications</i> , 2018, 9, 5197.	12.8	206
2	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics. <i>Nano-Micro Letters</i> , 2022, 14, 61.	27.0	113
3	PLLA scaffolds with biomimetic apatite coating and biomimetic apatite/collagen composite coating to enhance osteoblast-like cells attachment and activity. <i>Surface and Coatings Technology</i> , 2006, 201, 575-580.	4.8	110
4	Porous poly(L-lactic acid)/chitosan nanofibres for copper ion adsorption. <i>Carbohydrate Polymers</i> , 2020, 227, 115343.	10.2	87
5	Nano-curcumin prepared via supercritical: Improved anti-bacterial, anti-oxidant and anti-cancer efficacy. <i>International Journal of Pharmaceutics</i> , 2015, 496, 732-740.	5.2	86
6	Isolation and characterization of biofunctional keratin particles extracted from wool wastes. <i>Powder Technology</i> , 2013, 246, 356-362.	4.2	80
7	Hierarchical Porous Poly(L-lactic acid) Nanofibrous Membrane for Ultrafine Particulate Aerosol Filtration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46261-46268.	8.0	77
8	Preparation and biodegradation of electrospun PLLA/keratin nonwoven fibrous membrane. <i>Polymer Degradation and Stability</i> , 2009, 94, 1800-1807.	5.8	72
9	A one-step method to fabricate PLLA scaffolds with deposition of bioactive hydroxyapatite and collagen using ice-based microporogens. <i>Acta Biomaterialia</i> , 2010, 6, 2013-2019.	8.3	67
10	A 5-fluorouracil-loaded polydioxanone weft-knitted stent for the treatment of colorectal cancer. <i>Biomaterials</i> , 2013, 34, 9451-9461.	11.4	59
11	Formation of apatite on poly(L-hydroxy acid) in an accelerated biomimetic process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 73B, 68-76.	3.4	57
12	Polydopamine-assisted grafting of chitosan on porous poly(L-lactic acid) electrospun membranes for adsorption of heavy metal ions. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1479-1490.	7.5	57
13	Fabrication of silk fibroin nanoparticles for controlled drug delivery. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	54
14	An implantable and controlled drug-release silk fibroin nanofibrous matrix to advance the treatment of solid tumour cancers. <i>Biomaterials</i> , 2016, 103, 33-43.	11.4	54
15	Strategy to introduce an hydroxyapatite-keratin nanocomposite into a fibrous membrane for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2013, 1, 432-437.	5.8	48
16	Fabrication and structural characterization of porous biodegradable poly(DL-lactic-co-glycolic acid) scaffolds with controlled range of pore sizes. <i>Polymer Degradation and Stability</i> , 2005, 87, 487-493.	5.8	46
17	Biodegradable weft-knitted intestinal stents: Fabrication and physical changes investigation <i>in vitro</i> degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 982-990.	4.0	43
18	Composite coating of bonelike apatite particles and collagen fibers on poly L-lactic acid formed through an accelerated biomimetic coprecipitation process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 77B, 315-322.	3.4	41

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19	Controlled reduction of graphene oxide laminate and its applications for ultra-wideband microwave absorption. <i>Carbon</i> , 2020, 160, 307-316.	10.3	40
20	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3752-3761.	3.7	36
21	Design of an Ultrasensitive Flexible Bend Sensor Using a Silver-Doped Oriented Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 1359-1367.	8.0	36
22	Fabrication and degradation of poly(L-lactic acid) scaffolds with wool keratin. <i>Composites Part B: Engineering</i> , 2009, 40, 664-667.	12.0	32
23	Hydraulic Permeability of Polyglycolic Acid Scaffolds as a Function of Biomaterial Degradation. <i>Journal of Biomaterials Applications</i> , 2005, 19, 253-266.	2.4	30
24	Solubility enhancement of curcumin via supercritical CO ₂ based silk fibroin carrier. <i>Journal of Supercritical Fluids</i> , 2015, 103, 1-9.	3.2	30
25	Screen-Printed Graphite Nanoplate Conductive Ink for Machine Learning Enabled Wireless Radiofrequency-Identification Sensors. <i>ACS Applied Nano Materials</i> , 2019, 2, 6197-6208.	5.0	29
26	Electrospun highly porous poly(L-lactic acid)-dopamine-SiO ₂ fibrous membrane for bone regeneration. <i>Materials Science and Engineering C</i> , 2020, 117, 111359.	7.3	29
27	Tunable Graphene/Nitrocellulose Temperature Alarm Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13790-13800.	8.0	28
28	Synthesis and characterization of wool keratin/hydroxyapatite nanocomposite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 896-902.	3.4	27
29	EcoFlex Sponge with Ultrahigh Oil Absorption Capacity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20037-20044.	8.0	26
30	Recent Progress in Tissue Engineering and Regenerative Medicine. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016, 6, 755-766.	0.1	26
31	Hierarchical porous silk fibroin/poly(L-lactic acid) fibrous membranes towards vascular scaffolds. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1111-1120.	7.5	24
32	Transfer of apatite coating from porogens to scaffolds: Uniform apatite coating within porous poly(DL-lactic-co-glycolic acid) scaffold in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 226-233.	4.0	23
33	Smart moisture management and thermoregulation properties of stimuli-responsive cotton modified with polymer brushes. <i>RSC Advances</i> , 2014, 4, 63691-63695.	3.6	23
34	Ultrafast bone-like apatite formation on highly porous poly(L-lactic acid)-hydroxyapatite fibres. <i>Materials Science and Engineering C</i> , 2020, 116, 111168.	7.3	23
35	Fabrication of hierarchical porous poly (L-lactide) (PLLA) fibrous membrane by electrospinning. <i>Polymer</i> , 2021, 226, 123797.	3.8	23
36	Ultrasensitive Label-Free DNA Detection Based on Solution-Gated Graphene Transistors Functionalized with Carbon Quantum Dots. <i>Analytical Chemistry</i> , 2022, 94, 3320-3327.	6.5	23

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37	Composite Membranes of Recombinant Silkworm Antimicrobial Peptide and Poly (L-lactic Acid) (PLLA) for biomedical application. <i>Scientific Reports</i> , 2016, 6, 31149.	3.3	22
38	Heterogeneous carbon/N-doped reduced graphene oxide wrapping LiMn _{0.8} Fe _{0.2} PO ₄ composite for higher performance of lithium ion batteries. <i>Applied Surface Science</i> , 2019, 476, 513-520.	6.1	22
39	Biomimetic Presentation of Cryptic Ligands <i>via</i> Single-Chain Nanogels for Synergistic Regulation of Stem Cells. <i>ACS Nano</i> , 2020, 14, 4027-4035.	14.6	22
40	Hierarchical Porous Recycled PET Nanofibers for High-Efficiency Aerosols and Virus Capturing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49380-49389.	8.0	22
41	Fabrication, characterization, and in vitro evaluation of biomimetic silk fibroin porous scaffolds via supercritical CO ₂ technology. <i>Journal of Supercritical Fluids</i> , 2019, 150, 86-93.	3.2	21
42	Morphology and adhesion of mesenchymal stem cells on PLLA, apatite and apatite/collagen surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2563-2567.	3.6	20
43	Antibacterial Properties of Nanosilver PLLA Fibrous Membranes. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-5.	2.7	19
44	Development of silk fibroin-derived nanofibrous drug delivery system in supercritical CO ₂ . <i>Materials Letters</i> , 2016, 167, 175-178.	2.6	19
45	Hybrid coating of hydroxyapatite and collagen within poly(D,L-lactide-co-glycolic) Tj ETQq1 1 0.784314 rgBT 381-388.	3.4	17
46	A Review on Chitosan for the Removal of Heavy Metals Ions. <i>Journal of Fiber Bioengineering and Informatics</i> , 2019, 12, 103-128.	0.2	17
47	Surface Modification of Carbon Fibres for Interface Improvement in Textile Composites. <i>Applied Composite Materials</i> , 2018, 25, 853-860.	2.5	16
48	Controllable release of vascular endothelial growth factor (VEGF) by wheel spinning alginate/silk fibroin fibers for wound healing. <i>Materials and Design</i> , 2021, 212, 110231.	7.0	16
49	Iron-assisted carbon coating strategy for improved electrochemical LiMn _{0.8} Fe _{0.2} PO ₄ cathodes. <i>Electrochimica Acta</i> , 2016, 212, 800-807.	5.2	15
50	Transfer of collagen coating from porogen to scaffold: Collagen coating within poly(dl-lactic-co-glycolic acid) scaffold. <i>Composites Part B: Engineering</i> , 2007, 38, 317-323.	12.0	14
51	5-Fluorouracil-loaded poly-l-lactide fibrous membrane for the prevention of intestinal stent restenosis. <i>Journal of Materials Science</i> , 2013, 48, 6186-6193.	3.7	13
52	Hierarchical porous poly(l-lactic acid)/SiO ₂ nanoparticles fibrous membranes for oil/water separation. <i>Journal of Materials Science</i> , 2020, 55, 16096-16110.	3.7	13
53	Cross-linked chitosan coated biodegradable porous electrospun membranes for the removal of synthetic dyes. <i>Reactive and Functional Polymers</i> , 2021, 166, 104995.	4.1	11
54	Nano Polypeptide Particles Reinforced Polymer Composite Fibers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3871-3876.	8.0	9

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55	Novel pH-sensitive drug-loaded electrospun nanofibers based on regenerated keratin for local tumor chemotherapy. <i>Textile Reseach Journal</i> , 2020, 90, 2336-2349.	2.2	9
56	Modification of negative auto-photosensitive polyimide. <i>Journal of Applied Polymer Science</i> , 2000, 77, 943-947.	2.6	7
57	Toxicity study of isolated polypeptide from wool hydrolysate. <i>Food and Chemical Toxicology</i> , 2013, 57, 338-345.	3.6	7
58	Engineering the biological performance of hierarchical nanostructured poly(μ -caprolactone) scaffolds for bone tissue engineering. <i>CIRP Annals - Manufacturing Technology</i> , 2020, 69, 217-220.	3.6	6
59	Generation of biofunctional and biodegradable electrospun nanofibers composed of poly(α -lactic acid) and wool isoelectric precipitate. <i>Textile Reseach Journal</i> , 2014, 84, 355-367.	2.2	5
60	Photo-Patternable, High-Speed Electrospun Ultrafine Fibers Fabricated by Intrinsically Negative Photosensitive Polyimide. <i>ACS Omega</i> , 2021, 6, 18458-18464.	3.5	5
61	Biomimetic coating of apatite/collagen composite on Poly L-lactic Acid facilitates cell seeding. , 2005, 2005, 4087-90.		3
62	Temperature induced modulation of lipid oxidation and lipid accumulation in palmitate-mediated 3T3-L1 adipocytes and 3T3-L1 adipocytes. <i>Journal of Thermal Biology</i> , 2016, 58, 1-7.	2.5	3
63	Cytotoxicity and Cell Adhesion of PLLA/keratin Composite Fibrous Membranes. <i>IFMBE Proceedings</i> , 2009, , 1492-1495.	0.3	1
64	Preparation and Characterization of the Silk Fibroin 3D Scaffolds with Porous and Interconnected Structure. <i>Journal of Fiber Bioengineering and Informatics</i> , 2018, 11, 183-195.	0.2	1
65	A One-Step Method to Fabricate PLLA Scaffolds With Deposition of Bioactive Hydroxyapatite and Collagen Using Ice-Based Microporogens. , 2009, , .		0