Jiashen Li

List of Publications by Year
in descending order

65 papers	2,220 citations	218677 26 h-index	233421 45 g-index
66 all docs	66 docs citations	66 times ranked	2866 citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive Label-Free DNA Detection Based on Solution-Gated Graphene Transistors Functionalized with Carbon Quantum Dots. Analytical Chemistry, 2022, 94, 3320-3327.	6.5	23
2	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics. Nano-Micro Letters, 2022, 14, 61.	27.0	113
3	Tunable Graphene/Nitrocellulose Temperature Alarm Sensors. ACS Applied Materials & Interfaces, 2022, 14, 13790-13800.	8.0	28
4	Hierarchical porous silk fibroin/poly(L-lactic acid) fibrous membranes towards vascular scaffolds. International Journal of Biological Macromolecules, 2021, 166, 1111-1120.	7.5	24
5	Polydopamine-assisted grafting of chitosan on porous poly (L-lactic acid) electrospun membranes for adsorption of heavy metal ions. International Journal of Biological Macromolecules, 2021, 167, 1479-1490.	7.5	57
6	Fabrication of hierarchical porous poly (l-lactide) (PLLA) fibrous membrane by electrospinning. Polymer, 2021, 226, 123797.	3.8	23
7	Photo-Patternable, High-Speed Electrospun Ultrafine Fibers Fabricated by Intrinsically Negative Photosensitive Polyimide. ACS Omega, 2021, 6, 18458-18464.	3.5	5
8	Cross-linked chitosan coated biodegradable porous electrospun membranes for the removal of synthetic dyes. Reactive and Functional Polymers, 2021, 166, 104995.	4.1	11
9	Hierarchical Porous Recycled PET Nanofibers for High-Efficiency Aerosols and Virus Capturing. ACS Applied Materials & Interfaces, 2021, 13, 49380-49389.	8.0	22
10	Controllable release of vascular endothelial growth factor (VEGF) by wheel spinning alginate/silk fibroin fibers for wound healing. Materials and Design, 2021, 212, 110231.	7.0	16
11	Porous poly(Lâ€"lactic acid)/chitosan nanofibres for copper ion adsorption. Carbohydrate Polymers, 2020, 227, 115343.	10.2	87
12	Controlled reduction of graphene oxide laminate and its applications for ultra-wideband microwave absorption. Carbon, 2020, 160, 307-316.	10.3	40
13	Design of an Ultrasensitive Flexible Bend Sensor Using a Silver-Doped Oriented Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1359-1367.	8.0	36
14	Electrospun highly porous poly(L-lactic acid)-dopamine-SiO2 fibrous membrane for bone regeneration. Materials Science and Engineering C, 2020, 117, 111359.	7.3	29
15	Hierarchical porous poly(l-lactic acid)/SiO2 nanoparticles fibrous membranes for oil/water separation. Journal of Materials Science, 2020, 55, 16096-16110.	3.7	13
16	Ultrafast bone-like apatite formation on highly porous poly(l-lactic acid)-hydroxyapatite fibres. Materials Science and Engineering C, 2020, 116, 111168.	7.3	23
17	Biomimetic Presentation of Cryptic Ligands <i>via</i> Single-Chain Nanogels for Synergistic Regulation of Stem Cells. ACS Nano, 2020, 14, 4027-4035.	14.6	22
18	Novel pH-sensitive drug-loaded electrospun nanofibers based on regenerated keratin for local tumor chemotherapy. Textile Reseach Journal, 2020, 90, 2336-2349.	2.2	9

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19	Engineering the biological performance of hierarchical nanostructured poly(Îµ-carpolactone) scaffolds for bone tissue engineering. CIRP Annals - Manufacturing Technology, 2020, 69, 217-220.	3.6	6
20	Hierarchical Porous Poly(<scp>l</scp>-lactic acid) Nanofibrous Membrane for Ultrafine Particulate Aerosol Filtration. ACS Applied Materials & Interfaces, 2019, 11, 46261-46268.	8.0	77
21	Screen-Printed Graphite Nanoplate Conductive Ink for Machine Learning Enabled Wireless Radiofrequency-Identification Sensors. ACS Applied Nano Materials, 2019, 2, 6197-6208.	5.0	29
22	EcoFlex Sponge with Ultrahigh Oil Absorption Capacity. ACS Applied Materials & Interfaces, 2019, 11, 20037-20044.	8.0	26
23	Fabrication, characterization, and in vitro evaluation of biomimetic silk fibroin porous scaffolds via supercritical CO2 technology. Journal of Supercritical Fluids, 2019, 150, 86-93.	3.2	21
24	Heterogeneous carbon/N-doped reduced graphene oxide wrapping LiMn0.8Fe0.2PO4 composite for higher performance of lithium ion batteries. Applied Surface Science, 2019, 476, 513-520.	6.1	22
25	A Review on Chitosan for the Removal of Heavy Metals Ions. Journal of Fiber Bioengineering and Informatics, 2019, 12, 103-128.	0.2	17
26	Sustainable production of highly conductive multilayer graphene ink for wireless connectivity and IoT applications. Nature Communications, 2018, 9, 5197.	12.8	206
27	Surface Modification of Carbon Fibres for Interface Improvement in Textile Composites. Applied Composite Materials, 2018, 25, 853-860.	2.5	16
28	Preparation and Characterization of the Silk Fibroin 3D Scaffolds with Porous and Interconnected Structure. Journal of Fiber Bioengineering and Informatics, 2018, 11, 183-195.	0.2	1
29	An implantable and controlled drug-release silk fibroin nanofibrous matrix to advance the treatment of solid tumour cancers. Biomaterials, 2016, 103, 33-43.	11.4	54
30	Composite Membranes of Recombinant Silkworm Antimicrobial Peptide and Poly (L-lactic Acid) (PLLA) for biomedical application. Scientific Reports, 2016, 6, 31149.	3.3	22
31	Temperature induced modulation of lipid oxidation and lipid accumulation in palmitate-mediated 3T3-L1 adipocytes and 3T3-L1 adipocytes. Journal of Thermal Biology, 2016, 58, 1-7.	2.5	3
32	Iron-assisted carbon coating strategy for improved electrochemical LiMn0.8Fe0.2PO4 cathodes. Electrochimica Acta, 2016, 212, 800-807.	5.2	15
33	Development of silk fibroin-derived nanofibrous drug delivery system in supercritical CO2. Materials Letters, 2016, 167, 175-178.	2.6	19
34	Recent Progress in Tissue Engineering and Regenerative Medicine. Journal of Biomaterials and Tissue Engineering, 2016, 6, 755-766.	0.1	26
35	Nano Polypeptide Particles Reinforced Polymer Composite Fibers. ACS Applied Materials & Interfaces, 2015, 7, 3871-3876.	8.0	9
36	Solubility enhancement of curcumin via supercritical CO2 based silk fibroin carrier. Journal of Supercritical Fluids, 2015, 103, 1-9.	3.2	30

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37	Nano-curcumin prepared via supercritical: Improved anti-bacterial, anti-oxidant and anti-cancer efficacy. International Journal of Pharmaceutics, 2015, 496, 732-740.	5.2	86
38	Smart moisture management and thermoregulation properties of stimuli-responsive cotton modified with polymer brushes. RSC Advances, 2014, 4, 63691-63695.	3.6	23
39	Biodegradable weftâ€knitted intestinal stents: Fabrication and physical changes investigation <i>in vitro</i> degradation. Journal of Biomedical Materials Research - Part A, 2014, 102, 982-990.	4.0	43
40	Generation of biofunctional and biodegradable electrospun nanofibers composed of poly (<scp>l</scp>-lactic acid) and wool isoelectric precipitate. Textile Reseach Journal, 2014, 84, 355-367.	2.2	5
41	5-Fluorouracil-loaded poly-l-lactide fibrous membrane for the prevention of intestinal stent restenosis. Journal of Materials Science, 2013, 48, 6186-6193.	3.7	13
42	Isolation and characterization of biofunctional keratin particles extracted from wool wastes. Powder Technology, 2013, 246, 356-362.	4.2	80
43	Strategy to introduce an hydroxyapatiteâ€"keratin nanocomposite into a fibrous membrane for bone tissue engineering. Journal of Materials Chemistry B, 2013, 1, 432-437.	5.8	48
44	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO₂. Industrial & Engineering Chemistry Research, 2013, 52, 3752-3761.	3.7	36
45	Toxicity study of isolated polypeptide from wool hydrolysate. Food and Chemical Toxicology, 2013, 57, 338-345.	3.6	7
46	A 5-fluorouracil-loaded polydioxanone weft-knitted stent for the treatment of colorectal cancer. Biomaterials, 2013, 34, 9451-9461.	11.4	59
47	Synthesis and characterization of wool keratin/hydroxyapatite nanocomposite. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 896-902.	3.4	27
48	Fabrication of silk fibroin nanoparticles for controlled drug delivery. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	54
49	A one-step method to fabricate PLLA scaffolds with deposition of bioactive hydroxyapatite and collagen using ice-based microporogens. Acta Biomaterialia, 2010, 6, 2013-2019.	8.3	67
50	Cytotoxicity and Cell Adhesion of PLLA/keratin Composite Fibrous Membranes. IFMBE Proceedings, 2009, , 1492-1495.	0.3	1
51	Antibacterial Properties of Nanosilver PLLA Fibrous Membranes. Journal of Nanomaterials, 2009, 2009, 1-5.	2.7	19
52	Fabrication and degradation of poly(l-lactic acid) scaffolds with wool keratin. Composites Part B: Engineering, 2009, 40, 664-667.	12.0	32
53	Preparation and biodegradation of electrospun PLLA/keratin nonwoven fibrous membrane. Polymer Degradation and Stability, 2009, 94, 1800-1807.	5.8	72
54	A One-Step Method to Fabricate PLLA Scaffolds With Deposition of Bioactive Hydroxyapatite and Collagen Using Ice-Based Microporogens. , 2009, , .		0

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55	Morphology and adhesion of mesenchymal stem cells on PLLA, apatite and apatite/collagen surfaces. Journal of Materials Science: Materials in Medicine, 2008, 19, 2563-2567.	3.6	20
56	Hybrid coating of hydroxyapatite and collagen within poly(<scp>D,L</scp>â€lacticâ€<i>co</i>â€glycolic) Tj ETQq0 0 0 rgBT /Overlock 1 381-388.	3.4	17
57	Transfer of apatite coating from porogens to scaffolds: Uniform apatite coating within porous poly(DL-lactic-co-glycolic acid) scaffoldin vitro. Journal of Biomedical Materials Research - Part A, 2007, 80A, 226-233.	4.0	23
58	Transfer of collagen coating from porogen to scaffold: Collagen coating within poly(dl-lactic-co-glycolic acid) scaffold. Composites Part B: Engineering, 2007, 38, 317-323.	12.0	14
59	PLLA scaffolds with biomimetic apatite coating and biomimetic apatite/collagen composite coating to enhance osteoblast-like cells attachment and activity. Surface and Coatings Technology, 2006, 201, 575-580.	4.8	110
60	Composite coating of bonelike apatite particles and collagen fibers on poly L-lactic acid formed through an accelerated biomimetic coprecipitation process. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 77B, 315-322.	3.4	41
61	Fabrication and structural characterization of porous biodegradable poly(dl-lactic-co-glycolic acid) scaffolds with controlled range of pore sizes. Polymer Degradation and Stability, 2005, 87, 487-493.	5.8	46
62	Formation of apatite on poly(?-hydroxy acid) in an accelerated biomimetic process. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 73B, 68-76.	3.4	57
63	Biomimetic coating of apatite/collagen composite on Poly L-lactic Acid facilitates cell seeding. , 2005, 2005, 4087-90.		3
64	Hydraulic Permeability of Polyglycolic Acid Scaffolds as a Function of Biomaterial Degradation. Journal of Biomaterials Applications, 2005, 19, 253-266.	2.4	30
65	Modification of negative auto-photosensitive polyimide. Journal of Applied Polymer Science, 2000, 77, 943-947.	2.6	7