

Jiashen Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,451

citations

23

h-index

36

g-index

66

ext. papers

1,796

ext. citations

6.2

avg, IF

4.61

L-index

#	Paper	IF	Citations
62	Ultrasensitive Label-Free DNA Detection Based on Solution-Gated Graphene Transistors Functionalized with Carbon Quantum Dots.. <i>Analytical Chemistry</i> , 2022 ,	7.8	6
61	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics.. <i>Nano-Micro Letters</i> , 2022 , 14, 61	19.5	9
60	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	8.1	3
59	Hierarchical Porous Recycled PET Nanofibers for High-Efficiency Aerosols and Virus Capturing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49380-49389	9.5	2
58	Fabrication of hierarchical porous poly (L-lactide) (PLLA) fibrous membrane by electrospinning. <i>Polymer</i> , 2021 , 226, 123797	3.9	4
57	Photo-Patternable, High-Speed Electrospun Ultrafine Fibers Fabricated by Intrinsically Negative Photosensitive Polyimide. <i>ACS Omega</i> , 2021 , 6, 18458-18464	3.9	0
56	Hierarchical porous silk fibroin/poly(L-lactic acid) fibrous membranes towards vascular scaffolds. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1111-1120	7.9	10
55	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	7.9	20
54	Cross-linked chitosan coated biodegradable porous electrospun membranes for the removal of synthetic dyes. <i>Reactive and Functional Polymers</i> , 2021 , 166, 104995	4.6	1
53	Ultrafast bone-like apatite formation on highly porous poly(L-lactic acid)-hydroxyapatite fibres. <i>Materials Science and Engineering C</i> , 2020 , 116, 111168	8.3	10
52	Biomimetic Presentation of Cryptic Ligands Single-Chain Nanogels for Synergistic Regulation of Stem Cells. <i>ACS Nano</i> , 2020 , 14, 4027-4035	16.7	11
51	Novel pH-sensitive drug-loaded electrospun nanofibers based on regenerated keratin for local tumor chemotherapy. <i>Textile Reseach Journal</i> , 2020 , 90, 2336-2349	1.7	6
50	Engineering the biological performance of hierarchical nanostructured poly(E-caprolactone) scaffolds for bone tissue engineering. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 217-220	4.9	3
49	Controlled reduction of graphene oxide laminate and its applications for ultra-wideband microwave absorption. <i>Carbon</i> , 2020 , 160, 307-316	10.4	27
48	Design of an Ultrasensitive Flexible Bend Sensor Using a Silver-Doped Oriented Poly(vinylidene fluoride) Nanofiber Web for Respiratory Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1359-1367	9.5	25
47	Electrospun highly porous poly(L-lactic acid)-dopamine-SiO fibrous membrane for bone regeneration. <i>Materials Science and Engineering C</i> , 2020 , 117, 111359	8.3	12
46	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	4.3	3

45	Porous poly(L-lactic acid)/chitosan nanofibres for copper ion adsorption. <i>Carbohydrate Polymers</i> , 2020 , 227, 115343	10.3	54
44	Screen-Printed Graphite Nanoplate Conductive Ink for Machine Learning Enabled Wireless Radiofrequency-Identification Sensors. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6197-6208	5.6	18
43	EcoFlex Sponge with Ultrahigh Oil Absorption Capacity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20037-20044	9.5	8
42	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	4.2	14
41	Hierarchical Porous Poly(l-lactic acid) Nanofibrous Membrane for Ultrafine Particulate Aerosol Filtration. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46261-46268	9.5	38
40	A Review on Chitosan for the Removal of Heavy Metals Ions. <i>Journal of Fiber Bioengineering and Informatics</i> , 2019 , 12, 103-128	2	7
39	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	6.7	14
38	Surface Modification of Carbon Fibres for Interface Improvement in Textile Composites. <i>Applied Composite Materials</i> , 2018 , 25, 853-860	2	9
37	Sustainable production of highly conductive multilayer graphene ink for wireless connectivity and IoT applications. <i>Nature Communications</i> , 2018 , 9, 5197	17.4	121
36	Development of silk fibroin-derived nanofibrous drug delivery system in supercritical CO ₂ . <i>Materials Letters</i> , 2016 , 167, 175-178	3.3	15
35	Recent Progress in Tissue Engineering and Regenerative Medicine. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016 , 6, 755-766	0.3	15
34	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	15.6	37
33	Composite Membranes of Recombinant Silkworm Antimicrobial Peptide and Poly (L-lactic Acid) (PLLA) for biomedical application. <i>Scientific Reports</i> , 2016 , 6, 31149	4.9	15
32	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	2.9	3
31	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	6.7	12
30	Solubility enhancement of curcumin via supercritical CO ₂ based silk fibroin carrier. <i>Journal of Supercritical Fluids</i> , 2015 , 103, 1-9	4.2	27
29	Nano-curcumin prepared via supercritical: Improved anti-bacterial, anti-oxidant and anti-cancer efficacy. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 732-40	6.5	70
28	Nano polypeptide particles reinforced polymer composite fibers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3871-6	9.5	8

27	Generation of biofunctional and biodegradable electrospun nanofibers composed of poly (l-lactic acid) and wool isoelectric precipitate. <i>Textile Reseach Journal</i> , 2014 , 84, 355-367	1.7	4
26	Smart moisture management and thermoregulation properties of stimuli-responsive cotton modified with polymer brushes. <i>RSC Advances</i> , 2014 , 4, 63691-63695	3.7	17
25	Biodegradable weft-knitted intestinal stents: fabrication and physical changes investigation in vitro degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 982-90	5.4	31
24	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	4.3	12
23	Isolation and characterization of biofunctional keratin particles extracted from wool wastes. <i>Powder Technology</i> , 2013 , 246, 356-362	5.2	64
22	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	7.3	42
21	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 3752-3761	3.9	34
20	Toxicity study of isolated polypeptide from wool hydrolysate. <i>Food and Chemical Toxicology</i> , 2013 , 57, 338-45	4.7	4
19	A 5-fluorouracil-loaded polydioxanone weft-knitted stent for the treatment of colorectal cancer. <i>Biomaterials</i> , 2013 , 34, 9451-61	15.6	49
18	Synthesis and characterization of wool keratin/hydroxyapatite nanocomposite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 896-902	3.5	23
17	Fabrication of silk fibroin nanoparticles for controlled drug delivery. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	43
16	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, 2013-9	10.8	54
15	Cytotoxicity and Cell Adhesion of PLLA/keratin Composite Fibrous Membranes. <i>IFMBE Proceedings</i> , 2009 , 1492-1495	0.2	1
14	Antibacterial Properties of Nanosilver PLLA Fibrous Membranes. <i>Journal of Nanomaterials</i> , 2009 , 2009, 1-5	3.2	11
13	Fabrication and degradation of poly(l-lactic acid) scaffolds with wool keratin. <i>Composites Part B: Engineering</i> , 2009 , 40, 664-667	10	29
12	Preparation and biodegradation of electrospun PLLA/keratin nonwoven fibrous membrane. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1800-1807	4.7	60
11	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, 2563-7	4.5	19
10	Hybrid coating of hydroxyapatite and collagen within poly(D,L-lactic-co-glycolic acid) scaffold. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 86, 381-8	3.5	15

9	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 , 80, 226-33	5.4	23
8	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	10	13
7	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 , 77, 315-22	3.5	41
6	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	4.4	92
5	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	4.7	42
4	Formation of apatite on poly(alpha-hydroxy acid) in an accelerated biomimetic process. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005 , 73, 68-76	3.5	54
3	Biomimetic coating of apatite/collagen composite on Poly L-lactic Acid facilitates cell seeding. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 4087-90		1
2	Hydraulic permeability of polyglycolic acid scaffolds as a function of biomaterial degradation. <i>Journal of Biomaterials Applications</i> , 2005 , 19, 253-66	2.9	28
1	Modification of negative auto-photosensitive polyimide. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 943-947	2.9	5