

Jiehua 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.

63

papers

1,596

citations

24

h-index

38

g-index

68

ext. papers

1,832

ext. citations

5.8

avg, IF

4.41

L-index

#	Paper	IF	Citations
63	Effect of the disulfide bond and polyethylene glycol on the degradation and biophysicochemical properties of polyurethane micelles.. <i>Biomaterials Science</i> , 2022 ,	7.4	2
62	Citicoline liposome/polyurethane composite scaffolds regulate the inflammatory response of microglia to promote nerve regeneration. <i>Journal of Materials Science</i> , 2022 , 57, 2073	4.3	
61	Poly(ϵ -Caprolactone)-Methoxypolyethylene Glycol (PCL-MPEG)-Based Micelles for Drug-Delivery: The Effect of PCL Chain Length on Blood Components, Phagocytosis, and Biodistribution.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1613-1632	7.3	0
60	Water-triggered stiffening of shape memory polyurethanes composed of hard backbone dangling PEG soft segments.. <i>Advanced Materials</i> , 2022 , e2201914	24	3
59	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5352-5361	4.1	2
58	Bioactive 3D porous cobalt-doped alginate/waterborne polyurethane scaffolds with a coral reef-like rough surface for nerve tissue engineering application. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 322-335	7.3	9
57	Synthesis and characterization of PLGA-PEG-PLGA based thermosensitive polyurethane micelles for potential drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 613-634	3.5	2
56	Biodegradable polyurethane nerve guide conduits with different moduli influence axon regeneration in transected peripheral nerve injury. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7979-7990	7.3	2
55	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. <i>Materials Science and Engineering C</i> , 2021 , 121, 111820	8.3	7
54	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. <i>International Journal of Energy Production and Management</i> , 2020 , 7, 19-27	5.3	9
53	An injectable hydrogel with pH-sensitive and self-healing properties based on 4armPEGDA and N-carboxyethyl chitosan for local treatment of hepatocellular carcinoma. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1208-1222	7.9	13
52	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. <i>Biomacromolecules</i> , 2020 , 21, 1460-1470	6.9	6
51	A waterborne polyurethane 3D scaffold containing PLGA with a controllable degradation rate and an anti-inflammatory effect for potential applications in neural tissue repair. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4434-4446	7.3	18
50	Dual-encapsulated biodegradable 3D scaffold from liposome and waterborne polyurethane for local drug control release in breast cancer therapy. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 2220-2237	3.5	8
49	Stable, Bioresponsive, and Macrophage-Evading Polyurethane Micelles Containing an Anionic Tripeptide Chain Extender. <i>ACS Omega</i> , 2019 , 4, 16551-16563	3.9	2
48	Biodegradable, anti-adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2205-2221	5.4	8
47	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16421-16429	9.5	13

46	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphylococcus aureus. <i>Biomaterials Science</i> , 2019 , 7, 5369-5382	7.4	26
45	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. <i>Biomacromolecules</i> , 2018 , 19, 2137-2145	6.9	7
44	Shape Memory Properties and Enzymatic Degradability of Poly(ϵ -caprolactone)-Based Polyurethane Urea Containing Phenylalanine-Derived Chain Extender. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800054	5.5	8
43	Antibacterial and Biocompatible Cross-Linked Waterborne Polyurethanes Containing Gemini Quaternary Ammonium Salts. <i>Biomacromolecules</i> , 2018 , 19, 279-287	6.9	60
42	Thermoresponsive Three-Stage Optical Modulation of a Self-Healing Composite Hydrogel. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800329	2.6	2
41	Nanofibrous scaffold from electrospinning biodegradable waterborne polyurethane/poly(vinyl alcohol) for tissue engineering application. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 648-663	3.5	21
40	Surface Distribution and Biophysicochemical Properties of Polymeric Micelles Bearing Gemini Cationic and Hydrophilic Groups. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2138-2149	9.5	20
39	Post-Crosslinked Polyurethanes with Excellent Shape Memory Property. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700450	4.8	16
38	Clickable and imageable multiblock polymer micelles with magnetically guided and PEG-switched targeting and release property for precise tumor theranosis. <i>Biomaterials</i> , 2017 , 145, 138-153	15.6	44
37	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 361-368	7.8	30
36	Synthesis of biodegradable waterborne phosphatidylcholine polyurethanes for soft tissue engineering applications. <i>International Journal of Energy Production and Management</i> , 2017 , 4, 69-79	5.3	7
35	A Novel Surface Structure Consisting of Contact-active Antibacterial Upper-layer and Antifouling Sub-layer Derived from Gemini Quaternary Ammonium Salt Polyurethanes. <i>Scientific Reports</i> , 2016 , 6, 32140	4.9	60
34	Inspired by nonenveloped viruses escaping from endo-lysosomes: a pH-sensitive polyurethane micelle for effective intracellular trafficking. <i>Nanoscale</i> , 2016 , 8, 7711-22	7.7	20
33	The preliminary study of immune superparamagnetic iron oxide nanoparticles for the detection of lung cancer in magnetic resonance imaging. <i>Carbohydrate Research</i> , 2016 , 419, 33-40	2.9	26
32	A novel phosphatidylcholine-modified polyisoprene: synthesis and characterization. <i>Colloid and Polymer Science</i> , 2016 , 294, 433-439	2.4	6
31	Structure and properties of tough polyampholyte hydrogels: effects of a methyl group in the cationic monomer. <i>RSC Advances</i> , 2016 , 6, 114532-114540	3.7	7
30	Multifunctional Mixed Micelles Cross-Assembled from Various Polyurethanes for Tumor Therapy. <i>Biomacromolecules</i> , 2016 , 17, 2148-59	6.9	17
29	Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. <i>Biomaterials Science</i> , 2016 , 4, 1682-1690	7.4	36

28	Preparation of hydrocarbon/fluorocarbon double-chain phospholipid polymer brushes on polyurethane films by ATRP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 36-43	6	10
27	A novel non-releasing antibacterial poly(styrene-acrylate)/waterborne polyurethane composite containing gemini quaternary ammonium salt. <i>RSC Advances</i> , 2015 , 5, 89763-89770	3.7	20
26	Synthesis and characterization of biodegradable polyurethanes with folate side chains conjugated to hard segments. <i>Polymer Chemistry</i> , 2014 , 5, 2901-2910	4.9	29
25	Biodegradable multiblock polyurethane micelles with tunable reduction-sensitivity for on-demand intracellular drug delivery. <i>RSC Advances</i> , 2014 , 4, 24736-24746	3.7	27
24	A novel flame retardant containing phosphorus, nitrogen, and sulfur. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 1639-1649	4.1	36
23	An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles.. <i>ACS Macro Letters</i> , 2013 , 2, 146-151	6.6	32
22	Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. <i>RSC Advances</i> , 2013 , 3, 8291	3.7	24
21	Synthesis and surface properties of polyurethane end-capped with hybrid hydrocarbon/fluorocarbon double-chain phospholipid. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1362-72	5.4	13
20	Self-assembly of biodegradable polyurethanes for controlled delivery applications. <i>Soft Matter</i> , 2012 , 8, 5414	3.6	116
19	Synthesis and antibacterial characterization of gemini surfactant monomers and copolymers. <i>Polymer Chemistry</i> , 2012 , 3, 907	4.9	35
18	Molecular engineered super-nanodevices: smart and safe delivery of potent drugs into tumors. <i>Advanced Materials</i> , 2012 , 24, 3639-45	24	100
17	Preparation and rapid degradation of nontoxic biodegradable polyurethanes based on poly(lactic acid)-poly(ethylene glycol)-poly(lactic acid) and L-lysine diisocyanate. <i>Polymer Chemistry</i> , 2011 , 2, 601-607	4.9	88
16	Effect of PEG content on the properties of biodegradable amphiphilic multiblock poly(ϵ -caprolactone urethane)s. <i>Polymer Chemistry</i> , 2011 , 2, 885	4.9	37
15	Synthesis and Characterization of pH-Sensitive Biodegradable Polyurethane for Potential Drug Delivery Applications. <i>Macromolecules</i> , 2011 , 44, 857-864	5.5	135
14	Synthesis and micellization of new biodegradable phosphorylcholine-capped polyurethane. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2033-2042	2.5	34
13	Synthesis and hemocompatibility evaluation of segmented polyurethane end-capped with both a fluorine tail and phosphatidylcholine polar headgroups. <i>Biofouling</i> , 2011 , 27, 919-30	3.3	13
12	Synthesis and self-assembly of an amino-functionalized hybrid hydrocarbon/fluorocarbon double-chain phospholipid. <i>Langmuir</i> , 2011 , 27, 10859-66	4	6
11	Biodegradable gemini multiblock poly(ϵ -caprolactone urethane)s toward controllable micellization. <i>Soft Matter</i> , 2010 , 6, 2087	3.6	46

10	Preparation and characterization of nonfouling polymer brushes on poly(ethylene terephthalate) film surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 78, 343-50	6	27
9	Simulation of self-assembly behaviour of fluorinated phospholipid molecules in aqueous solution by dissipative particle dynamics method. <i>Molecular Simulation</i> , 2009 , 35, 638-647	2	11
8	Enhanced hydrogen bonding and its dramatic impact on deformation behaviors in a biomedical poly(carbonate urethane) with fluorinated chain extender. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 2198-2205	2.6	3
7	Mechanical and surface properties of polyurethane/fluorinated multi-walled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2023-2028	2.9	29
6	Surface and bulk properties of poly(ether urethane)s/fluorinated phosphatidylcholine polyurethanes blends. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 548-553	2.9	13
5	Synthesis and hemocompatibility of biomembrane mimicing poly(carbonate urethane)s containing fluorinated alkyl phosphatidylcholine side groups. <i>Biomacromolecules</i> , 2006 , 7, 2591-9	6.9	32
4	Novel Biomembrane-Mimicking Polymer Surface with Environmental Responsiveness. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1418-1422	4.8	16
3	Phase behavior and hydrogen bonding in biomembrane mimicing polyurethanes with long side chain fluorinated alkyl phosphatidylcholine polar head groups attached to hard block. <i>Polymer</i> , 2005 , 46, 7230-7239	3.9	48
2	The effect of fluorinated side chain attached on hard segment on the phase separation and surface topography of polyurethanes. <i>Polymer</i> , 2004 , 45, 1647-1657	3.9	96
1	Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1-13	3.5	