Jiehua Li

List of Publications by Citations

63	1,596	24	38
papers	citations	h-index	g-index

68	1,832	5.8	4.41
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
63	Synthesis and Characterization of pH-Sensitive Biodegradable Polyurethane for Potential Drug Delivery Applications. *Macromolecules*, **2011**, 44, 857-864	5.5	135
62	Self-assembly of biodegradable polyurethanes for controlled delivery applications. *Soft Matter*, **2012**, 8, 5414	3.6	116
61	Molecular engineered super-nanodevices: smart and safe delivery of potent drugs into tumors. *Advanced Materials*, **2012**, 24, 3639-45	24	100
60	The effect of fluorinated side chain attached on hard segment on the phase separation and surface topography of polyurethanes. *Polymer*, **2004**, 45, 1647-1657	3.9	96
59	Preparation and rapid degradation of nontoxic biodegradable polyurethanes based on poly(lactic acid)-poly(ethylene glycol)-poly(lactic acid) and L-lysine diisocyanate. *Polymer Chemistry*, **2011**, 2, 601-607	4.9	88
58	Antibacterial and Biocompatible Cross-Linked Waterborne Polyurethanes Containing Gemini Quaternary Ammonium Salts. *Biomacromolecules*, **2018**, 19, 279-287	6.9	60
57	A Novel Surface Structure Consisting of Contact-active Antibacterial Upper-layer and Antifouling Sub-layer Derived from Gemini Quaternary Ammonium Salt Polyurethanes. *Scientific Reports*, **2016**, 6, 32140	4.9	60
56	Phase behavior and hydrogen bonding in biomembrane mimicing polyurethanes with long side chain fluorinated alkyl phosphatidylcholine polar head groups attached to hard block. *Polymer*, **2005**, 46, 7230-7239	3.9	48
55	Biodegradable gemini multiblock poly(ε-caprolactone urethane)s toward controllable micellization. *Soft Matter*, **2010**, 6, 2087	3.6	46
54	Clickable and imageable multiblock polymer micelles with magnetically guided and PEG-switched targeting and release property for precise tumor theranosis. *Biomaterials*, **2017**, 145, 138-153	15.6	44
53	Effect of PEG content on the properties of biodegradable amphiphilic multiblock poly(ε-caprolactone urethane)s. *Polymer Chemistry*, **2011**, 2, 885	4.9	37
52	A novel flame retardant containing phosphorus, nitrogen, and sulfur. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 1639-1649	4.1	36
51	Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. *Biomaterials Science*, **2016**, 4, 1682-1690	7.4	36
50	Synthesis and antibacterial characterization of gemini surfactant monomers and copolymers. *Polymer Chemistry*, **2012**, 3, 907	4.9	35
49	Synthesis and micellization of new biodegradable phosphorylcholine-capped polyurethane. *Journal of Polymer Science Part A*, **2011**, 49, 2033-2042	2.5	34
48	An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles.. *ACS Macro Letters*, **2013**, 2, 146-151	6.6	32
47	Synthesis and hemocompatibility of biomembrane mimicing poly(carbonate urethane)s containing fluorinated alkyl phosphatidylcholine side groups. *Biomacromolecules*, **2006**, 7, 2591-9	6.9	32

46	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. *Materials Chemistry Frontiers*, **2017**, 1, 361-368	7.8	30
45	Synthesis and characterization of biodegradable polyurethanes with folate side chains conjugated to hard segments. *Polymer Chemistry*, **2014**, 5, 2901-2910	4.9	29
44	Mechanical and surface properties of polyurethane/fluorinated multi-walled carbon nanotubes composites. *Journal of Applied Polymer Science*, **2008**, 108, 2023-2028	2.9	29
43	Biodegradable multiblock polyurethane micelles with tunable reduction-sensitivity for on-demand intracellular drug delivery. *RSC Advances*, **2014**, 4, 24736-24746	3.7	27
42	Preparation and characterization of nonfouling polymer brushes on poly(ethylene terephthalate) film surfaces. *Colloids and Surfaces B: Biointerfaces*, **2010**, 78, 343-50	6	27
41	The preliminary study of immune superparamagnetic iron oxide nanoparticles for the detection of lung cancer in magnetic resonance imaging. *Carbohydrate Research*, **2016**, 419, 33-40	2.9	26
40	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphyloccocus aureus. *Biomaterials Science*, **2019**, 7, 5369-5382	7.4	26
39	Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. *RSC Advances*, **2013**, 3, 8291	3.7	24
38	Nanofibrous scaffold from electrospinning biodegradable waterborne polyurethane/poly(vinyl alcohol) for tissue engineering application. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 648-663	3.5	21
37	Surface Distribution and Biophysicochemical Properties of Polymeric Micelles Bearing Gemini Cationic and Hydrophilic Groups. *ACS Applied Materials & Interfaces*, **2017**, 9, 2138-2149	9.5	20
36	A novel non-releasing antibacterial poly(styrene-acrylate)/waterborne polyurethane composite containing gemini quaternary ammonium salt. *RSC Advances*, **2015**, 5, 89763-89770	3.7	20
35	Inspired by nonenveloped viruses escaping from endo-lysosomes: a pH-sensitive polyurethane micelle for effective intracellular trafficking. *Nanoscale*, **2016**, 8, 7711-22	7.7	20
34	A waterborne polyurethane 3D scaffold containing PLGA with a controllable degradation rate and an anti-inflammatory effect for potential applications in neural tissue repair. *Journal of Materials Chemistry B*, **2020**, 8, 4434-4446	7.3	18
33	Multifunctional Mixed Micelles Cross-Assembled from Various Polyurethanes for Tumor Therapy. *Biomacromolecules*, **2016**, 17, 2148-59	6.9	17
32	Post-Crosslinked Polyurethanes with Excellent Shape Memory Property. *Macromolecular Rapid Communications*, **2017**, 38, 1700450	4.8	16
31	Novel Biomembrane-Mimicking Polymer Surface with Environmental Responsiveness. *Macromolecular Rapid Communications*, **2005**, 26, 1418-1422	4.8	16
30	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. *ACS Applied Materials & Interfaces*, **2019**, 11, 16421-16429	9.5	13
29	An injectable hydrogel with pH-sensitive and self-healing properties based on 4armPEGDA and N-carboxyethyl chitosan for local treatment of hepatocellular carcinoma. *International Journal of Biological Macromolecules*, **2020**, 163, 1208-1222	7.9	13

28	Synthesis and surface properties of polyurethane end-capped with hybrid hydrocarbon/fluorocarbon double-chain phospholipid. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 1362-72	5.4	13
27	Synthesis and hemocompatibity evaluation of segmented polyurethane end-capped with both a fluorine tail and phosphatidylcholine polar headgroups. *Biofouling*, **2011**, 27, 919-30	3.3	13
26	Surface and bulk properties of poly(ether urethane)s/fluorinated phosphatidylcholine polyurethanes blends. *Journal of Applied Polymer Science*, **2008**, 108, 548-553	2.9	13
25	Simulation of self-assembly behaviour of fluorinated phospholipid molecules in aqueous solution by dissipative particle dynamics method. *Molecular Simulation*, **2009**, 35, 638-647	2	11
24	Preparation of hydrocarbon/fluorocarbon double-chain phospholipid polymer brusheson polyurethane films by ATRP. *Colloids and Surfaces B: Biointerfaces*, **2015**, 128, 36-43	6	10
23	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. *International Journal of Energy Production and Management*, **2020**, 7, 19-27	5.3	9
22	Bioactive 3D porous cobalt-doped alginate/waterborne polyurethane scaffolds with a coral reef-like rough surface for nerve tissue engineering application. *Journal of Materials Chemistry B*, **2021**, 9, 322-335	7.3	9
21	Biodegradable, anti-adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 2205-2221	5.4	8
20	Shape Memory Properties and Enzymatic Degradability of Poly(ε-caprolactone)-Based Polyurethane Urea Containing Phenylalanine-Derived Chain Extender. *Macromolecular Bioscience*, **2018**, 18, e1800054	5.5	8
19	Dual-encapsulated biodegradable 3D scaffold from liposome and waterborne polyurethane for local drug control release in breast cancer therapy. *Journal of Biomaterials Science, Polymer Edition*, **2020**, 31, 2220-2237	3.5	8
18	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. *Biomacromolecules*, **2018**, 19, 2137-2145	6.9	7
17	Synthesis of biodegradable waterborne phosphatidylcholine polyurethanes for soft tissue engineering applications. *International Journal of Energy Production and Management*, **2017**, 4, 69-79	5.3	7
16	Structure and properties of tough polyampholyte hydrogels: effects of a methyl group in the cationic monomer. *RSC Advances*, **2016**, 6, 114532-114540	3.7	7
15	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. *Materials Science and Engineering C*, **2021**, 121, 111820	8.3	7
14	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. *Biomacromolecules*, **2020**, 21, 1460-1470	6.9	6
13	A novel phosphatidylcholine-modified polyisoprene: synthesis and characterization. *Colloid and Polymer Science*, **2016**, 294, 433-439	2.4	6
12	Synthesis and self-assembly of an amino-functionalized hybrid hydrocarbon/fluorocarbon double-chain phospholipid. *Langmuir*, **2011**, 27, 10859-66	4	6
11	Enhanced hydrogen bonding and its dramatic impact on deformation behaviors in a biomedical poly(carbonate urethane) with fluorinated chain extender. *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 2198-2205	2.6	3

List of Publications

10	Water-triggered stiffening of shape memory polyurethanes composed of hard backbone dangling PEG soft segments.. *Advanced Materials*, **2022**, e2201914	24	3
9	Stable, Bioresponsive, and Macrophage-Evading Polyurethane Micelles Containing an Anionic Tripeptide Chain Extender. *ACS Omega*, **2019**, 4, 16551-16563	3.9	2
8	Effect of the disulfide bond and polyethylene glycol on the degradation and biophysicochemical properties of polyurethane micelles.. *Biomaterials Science*, **2022**,	7.4	2
7	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions.. *ACS Applied Bio Materials*, **2021**, 4, 5352-5361	4.1	2
6	Synthesis and characterization of PLGA-PEG-PLGA based thermosensitive polyurethane micelles for potential drug delivery. *Journal of Biomaterials Science, Polymer Edition*, **2021**, 32, 613-634	3.5	2
5	Biodegradable polyurethane nerve guide conduits with different moduli influence axon regeneration in transected peripheral nerve injury. *Journal of Materials Chemistry B*, **2021**, 9, 7979-7990	7.3	2
4	Thermoresponsive Three-Stage Optical Modulation of a Self-Healing Composite Hydrogel. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800329	2.6	2
3	Poly(ε-Caprolactone)-Methoxypolyethylene Glycol (PCL-MPEG)-Based Micelles for Drug-Delivery: The Effect of PCL Chain Length on Blood Components, Phagocytosis, and Biodistribution.. *International Journal of Nanomedicine*, **2022**, 17, 1613-1632	7.3	0
2	Citicoline-liposome/polyurethane composite scaffolds regulate the inflammatory response of microglia to promote nerve regeneration. *Journal of Materials Science*, **2022**, 57, 2073	4.3	
1	Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. *Journal of Biomaterials Science, Polymer Edition*,1-13	3.5	