

# Zhen Li

## List of Publications by Year in descending order

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30  
papers

493  
citations

687363

13  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

538  
citing authors

#	ARTICLE	IF	CITATIONS
1	Citicolineâ€“liposome/polyurethane composite scaffolds regulate the inflammatory response of microglia to promote nerve regeneration. <i>Journal of Materials Science</i> , 2022, 57, 2073-2088.	3.7	3
2	A bioinspired Janus polyurethane membrane for potential periodontal tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2602-2616.	5.8	8
3	Influence of fluorocarbon side chain on microphase separation and chemical stability of silicon-containing polycarbonate urethane. <i>Polymer</i> , 2022, 242, 124538.	3.8	9
4	Shape-Recoverable Hyaluronic Acidâ€“Waterborne Polyurethane Hybrid Cryogel Accelerates Hemostasis and Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17093-17108.	8.0	35
5	Waterâ€“Triggered Stiffening of Shapeâ€“Memory Polyurethanes Composed of Hard Backbone Dangling PEG Soft Segments. <i>Advanced Materials</i> , 2022, 34, e2201914.	21.0	27
6	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.	5.8	25
7	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	11
8	Improved <i>in vivo</i> stability of silicon-containing polyurethane by fluorocarbon side chain modulation of the surface structure. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3210-3223.	5.8	11
9	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. <i>Materials Science and Engineering C</i> , 2021, 121, 111820.	7.3	31
10	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions. <i>ACS Applied Bio Materials</i> , 2021, 4, 5352-5361.	4.6	15
11	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. <i>International Journal of Energy Production and Management</i> , 2020, 7, 19-27.	3.7	18
12	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	9
13	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.	7.5	32
14	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. <i>Biomacromolecules</i> , 2020, 21, 1460-1470.	5.4	15
15	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.	5.8	34
16	Stable, Bioresponsive, and Macrophage-Evading Polyurethane Micelles Containing an Anionic Tripeptide Chain Extender. <i>ACS Omega</i> , 2019, 4, 16551-16563.	3.5	4
17	Biodegradable, antiâ€“adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2205-2221.	4.0	14
18	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16421-16429.	8.0	24

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19	Biomimetic phosphorylcholine strategy to improve the hemocompatibility of pH-responsive micelles containing tertiary amino groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110545.	5.0	12
20	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist <i>Staphylococcus aureus</i> . <i>Biomaterials Science</i> , 2019, 7, 5369-5382.	5.4	49
21	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.	5.4	14
22	A fuel-based approach for emission factor development for highway paving construction equipment in China. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 1214-1223.	1.9	9
23	Effect of nanoparticles on fibril formation and mechanical performance of olefinic block copolymer (OBC)/polypropylene (PP) microfibrillar composites. <i>RSC Advances</i> , 2016, 6, 86520-86530.	3.6	8
24	Biomimetic surface modification of polyurethane with phospholipids grafted carbon nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2711-2719.	4.0	6
25	In situ formation of polypropylene (PP) fibrils in the olefinic block copolymer (OBC): effect of viscosity ratio and OBC block architecture. <i>RSC Advances</i> , 2015, 5, 85442-85445.	3.6	7
26	The influence of fluorocarbon chain and phosphorylcholine on the improvement of hemocompatibility: a comparative study in polyurethanes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1344-1353.	5.8	23
27	Effect of melting temperature on interfacial interaction and mechanical properties of polypropylene (PP) fiber reinforced olefin block copolymers (OBCs). <i>RSC Advances</i> , 2014, 4, 45234-45243.	3.6	16
28	Synthesis and properties of UV-curable polysiloxane methacrylate obtained by one-step method. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 363-370.	3.8	12
29	Shear-induced fibrillation and resultant mechanical properties of injection-molded polyamide 1010/isotactic polypropylene blends. <i>Polymer International</i> , 2011, 60, 1655-1662.	3.1	12
30	Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , 0, , 1-13.	3.5	0