

# Chunhui Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

576  
citations

687220

13  
h-index

610775

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo- and pH-Responsive Polymer Derived from Methacrylamide and Aspartic Acid. <i>Macromolecules</i> , 2010, 43, 8101-8108.	2.2	78
2	Preparation and properties of self-healable and conductive PVA-agar hydrogel with ultra-high mechanical strength. <i>European Polymer Journal</i> , 2020, 124, 109465.	2.6	70
3	UCST-Type Thermosensitive Hairy Nanogels Synthesized by RAFT Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2017, 6, 127-133.	2.3	63
4	A high strength, low friction, and biocompatible hydrogel from PVA, chitosan and sodium alginate for articular cartilage. <i>Carbohydrate Polymers</i> , 2022, 286, 119268.	5.1	55
5	Super-Strong, Nonswellable, and Biocompatible Hydrogels Inspired by Human Tendons. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2638-2649.	4.0	52
6	Pathway-dependent re-assembly of dual-responsive ABC terpolymer in water. <i>Soft Matter</i> , 2012, 8, 2618.	1.2	36
7	New thermal-responsive polymers based on alanine and (meth)acryl amides. <i>Polymer Chemistry</i> , 2014, 5, 4561.	1.9	32
8	Dual stimuli-responsive polymers derived from $\alpha$ -amino acids: Effects of molecular structure, molecular weight and end-group. <i>Polymer</i> , 2012, 53, 1725-1732.	1.8	29
9	Fabrication of self-healable, conductive, and ultra-strong hydrogel from polyvinyl alcohol and grape seed-extracted polymer. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49118.	1.3	22
10	Developing high strength, antiseptic and swelling-resistant polyvinyl alcohol/chitosan hydrogels for tissue engineering material. <i>Materials Letters</i> , 2020, 280, 128499.	1.3	18
11	Multi-responsive polymethacrylamide homopolymers derived from tertiary amine-modified -alanine. <i>Polymer</i> , 2016, 101, 319-327.	1.8	16
12	Design and performance of an ultra-sensitive and super-stretchable hydrogel for artificial skin. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17042-17049.	2.7	16
13	Fabrication of antiseptic, conductive and robust polyvinyl alcohol/chitosan composite hydrogels. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	15
14	A highly resilient and ultra-sensitive hydrogel for wearable sensors. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51925.	1.3	11
15	From micelle-like aggregates to extremely-stretchable, fatigue-resistant, highly-resilient and self-healable hydrogels. <i>European Polymer Journal</i> , 2022, 167, 111047.	2.6	10
16	A highly elastic and sensitive sensor based on GSP/HPAM composited hydrogel. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50192.	1.3	9
17	An ultra-strong, ultra-stiff and anti-freezing hydrogel based on poly(vinyl alcohol). <i>Materials Letters</i> , 2021, 300, 130172.	1.3	9
18	Morphology Transition of Dual-Responsive ABC Terpolymer in Water: Effect of Hydrophobic Block. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800124.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Facile fabrication of tough and biocompatible hydrogels from polyvinyl alcohol and agarose. Journal of Applied Polymer Science, 2021, 138, 50979.	1.3	7
20	Efficient synthesis and self-assembly of hetero-grafted amphiphilic polypeptide bottlebrushes. Pure and Applied Chemistry, 2012, 84, 2569-2578.	0.9	6
21	Facile fabrication of nonswellable and biocompatible hydrogels with cartilage-comparable performances. Materials Today Communications, 2021, 27, 102375.	0.9	5
22	A novel blend material to improve the crystallization and mechanical properties of poly (ethylene terephthalate). Journal of Applied Polymer Science, 2021, 138, 50979.	1.2	4
23	Effects of crystal planes of ZnO nanocrystal on crystalline, thermal and thermal-oxidation stability of iPP. Journal of Polymer Research, 2021, 28, 1.	1.2	4
24	The effect of sodium citrate and thermoplastic elastomer on the crystallization behavior and impact toughness of poly(ethylene terephthalate). Polymer Crystallization, 2019, 2, e10063.	0.5	1