

# Wei Cui

## List of Publications by Citations

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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.

24  
papers

429  
citations

10  
h-index

20  
g-index

25  
ext. papers

585  
ext. citations

9.3  
avg, IF

3.76  
L-index

#	Paper	IF	Citations
24	Robust, anti-fatigue, and self-healing graphene oxide/hydrophobically associated composite hydrogels and their use as recyclable adsorbents for dye wastewater treatment. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17445-17458	13	112
23	Controlled Synthesis and Novel Solution Rheology of Hyperbranched Poly(urea-urethane)-Functionalized Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , <b>2007</b> , 40, 5858-5867	5.5	52
22	Hydrogel/Elastomer Laminates Bonded via Fabric Interphases for Stimuli-Responsive Actuators. <i>Matter</i> , <b>2019</b> , 1, 674-689	12.7	45
21	Robust dual physically cross-linked hydrogels with unique self-reinforcing behavior and improved dye adsorption capacity. <i>RSC Advances</i> , <b>2015</b> , 5, 52966-52977	3.7	41
20	Fiber-Reinforced Viscoelastomers Show Extraordinary Crack Resistance That Exceeds Metals. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907180	24	35
19	Superior fracture resistance of fiber reinforced polyampholyte hydrogels achieved by extraordinarily large energy-dissipative process zones. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13431-13440	13.4	26
18	Transforming non-adhesive hydrogels to reversible tough adhesives via mixed-solvent-induced phase separation. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9706-9718	13	19
17	Nanophase Separation in Immiscible Double Network Elastomers Induces Synergetic Strengthening, Toughening, and Fatigue Resistance. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3321-3334	9.6	13
16	Robust and ultrasensitive hydrogel sensors enhanced by MXene/cellulose nanocrystals. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 8871-8886	4.3	11
15	Covalent modification of graphene as a 2D nanofiller for enhanced mechanical performance of poly(glutamate) hybrid gels. <i>RSC Advances</i> , <b>2015</b> , 5, 86407-86413	3.7	10
14	Multimechanism Physical Cross-Linking Results in Tough and Self-Healing Hydrogels for Various Applications. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 3378-3389	4.3	10
13	Mechanical enhancement of hydrophobically associating hydrogels by solvent-regulated phase separation. <i>Polymer</i> , <b>2020</b> , 210, 123042	3.9	10
12	A free radical assisted strategy for preparing functionalized carbon nanotubes as a highly efficient nucleating agent for poly(L-lactide). <i>RSC Advances</i> , <b>2015</b> , 5, 16604-16610	3.7	9
11	Mechanical behavior of unidirectional fiber reinforced soft composites. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 35, 100642	3.9	7
10	Recent Progress in Double Network Elastomers: One Plus One is Greater Than Two. <i>Advanced Functional Materials</i> , 2110244	15.6	5
9	Facile preparation of cellulose hydrogel with Achilles tendon-like super strength through aligning hierarchical fibrous structure. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 132040	14.7	5
8	How chain dynamics affects crack initiation in double-network gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4

7	Solution properties of a novel ampholytic polyphenylene sulfide. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4052-4060	2.9	3
6	Strong anisotropic hydrogels with ion transport capability via reswelling contrast of two oriented polymer networks. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 20362-20370	13	3
5	High strength hydrogels enable dendrite-free Zn metal anodes and high-capacity Zn/MnO <sub>2</sub> batteries via a modified mechanical suppression effect. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 3122-3133	13.3	2
4	Tiny yet tough: Maximizing the toughness of fiber-reinforced soft composites in the absence of a fiber-fracture mechanism. <i>Matter</i> , <b>2021</b> ,	12.7	2
3	Synthesis of pH-responsive amphiphilic branched macro-RAFT agent and the application in surfactant-free emulsion polymerization. <i>RSC Advances</i> , <b>2016</b> , 6, 45172-45183	3.7	1
2	Tough, Instant, and Repeatable Adhesion of Self-Healable Elastomers to Diverse Soft and Hard Surfaces.. <i>Advanced Science</i> , <b>2022</b> , e2105742	13.6	1
1	A Review on Tough Soft Composites at Different Length Scales. <i>Textiles</i> , <b>2021</b> , 1, 513-533		