

# Lei Meng

## List of Publications by Year in descending order

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16  
papers

1,987  
citations

567281

15  
h-index

940533

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docs citations

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times ranked

1847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mussel-Inspired Cellulose Nanocomposite Tough Hydrogels with Synergistic Self-Healing, Adhesive, and Strain-Sensitive Properties. <i>Chemistry of Materials</i> , 2018, 30, 3110-3121.	6.7	627
2	High-Strength, Self-Adhesive, and Strain-Sensitive Chitosan/Poly(acrylic acid) Double-Network Nanocomposite Hydrogels Fabricated by Salt-Soaking Strategy for Flexible Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39228-39237.	8.0	228
3	Mimicking Dynamic Adhesiveness and Strain-Stiffening Behavior of Biological Tissues in Tough and Self-Healable Cellulose Nanocomposite Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5885-5895.	8.0	171
4	Recent Progress in Natural Biopolymers Conductive Hydrogels for Flexible Wearable Sensors and Energy Devices: Materials, Structures, and Performance. <i>ACS Applied Bio Materials</i> , 2021, 4, 85-121.	4.6	169
5	Tannic Acid-Silver Dual Catalysis Induced Rapid Polymerization of Conductive Hydrogel Sensors with Excellent Stretchability, Self-Adhesion, and Strain-Sensitivity Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56509-56521.	8.0	161
6	Engineering Self-Adhesive Polyzwitterionic Hydrogel Electrolytes for Flexible Zinc-Ion Hybrid Capacitors with Superior Low-Temperature Adaptability. <i>ACS Nano</i> , 2021, 15, 18469-18482.	14.6	145
7	Ultrafast Fabrication of Lignin-Encapsulated Silica Nanoparticles Reinforced Conductive Hydrogels with High Elasticity and Self-Adhesion for Strain Sensors. <i>Chemistry of Materials</i> , 2022, 34, 5258-5272.	6.7	85
8	Autonomous Self-Healing Silk Fibroin Injectable Hydrogels Formed via Surfactant-Free Hydrophobic Association. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1628-1639.	8.0	80
9	An integrated self-healable and robust conductive hydrogel for dynamically self-adhesive and highly conformable electronic skin. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15208-15218.	5.5	67
10	Adhesive Ionohydrogels Based on Ionic Liquid/Water Binary Solvents with Freezing Tolerance for Flexible Ionotronic Devices. <i>Chemistry of Materials</i> , 2022, 34, 1065-1077.	6.7	66
11	Low-Temperature tolerance and conformal adhesion zwitterionic hydrogels as electronic skin for strain and temperature responsiveness. <i>Chemical Engineering Journal</i> , 2022, 431, 133782.	12.7	57
12	Emerging cellulose-derived materials: a promising platform for the design of flexible wearable sensors toward health and environment monitoring. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2051-2091.	5.9	54
13	Ionically Cross-Linked Silk Microfibers/Alginate Tough Composite Hydrogels with Hierarchical Structures. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16788-16796.	6.7	26
14	Strain Rate-Dependent Viscoelasticity and Fracture Mechanics of Cellulose Nanofibril Composite Hydrogels. <i>Langmuir</i> , 2019, 35, 10542-10550.	3.5	23
15	Fabrication of Anisotropic Silk Fibroin-Cellulose Nanocrystals Cryogels with Tunable Mechanical Properties, Rapid Swelling, and Structural Recoverability via a Directional-Freezing Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12274-12285.	6.7	16
16	Physically Cross-Linked Silk Hydrogels with High Solid Content and Excellent Mechanical Properties via a Reverse Dialysis Concentrated Procedure. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13324-13332.	6.7	12