

Xin Liu

List of Publications by Year in descending order

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14
papers

1,269
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1256
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-stretchable wearable strain sensors based on skin-inspired adhesive, tough and conductive hydrogels. <i>Chemical Engineering Journal</i> , 2019, 365, 10-19.	12.7	223
2	Bioinspired Adhesive Hydrogel Driven by Adenine and Thymine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17645-17652.	8.0	171
3	Bioinspired Adhesive Hydrogels Tackified by Nucleobases. <i>Advanced Functional Materials</i> , 2017, 27, 1703132.	14.9	154
4	Solvent-Resistant and Nonswellable Hydrogel Conductor toward Mechanical Perception in Diverse Liquid Media. <i>ACS Nano</i> , 2020, 14, 13709-13717.	14.6	128
5	Bioinspired Nucleobase-Driven Nonswellable Adhesive and Tough Gel with Excellent Underwater Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6644-6651.	8.0	112
6	Wearable strain sensors based on casein-driven tough, adhesive and anti-freezing hydrogels for monitoring human-motion. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5230-5236.	5.8	107
7	DNA-inspired anti-freezing wet-adhesion and tough hydrogel for sweaty skin sensor. <i>Chemical Engineering Journal</i> , 2020, 394, 124898.	12.7	90
8	Tough Adhesion of Nucleobase-Tackified Gels in Diverse Solvents. <i>Advanced Functional Materials</i> , 2019, 29, 1900450.	14.9	81
9	Nucleotide-driven skin-attachable hydrogels toward visual human-machine interfaces. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4515-4523.	10.3	68
10	Flexible and wearable strain sensors based on conductive hydrogels. <i>Journal of Polymer Science</i> , 2022, 60, 2663-2678.	3.8	45
11	Adenine-mediated adhesive and tough hydrogel based on hybrid crosslinking. <i>European Polymer Journal</i> , 2018, 106, 139-147.	5.4	26
12	Underwater flexible mechanoreceptors constructed by anti-swelling self-healable hydrogel. <i>Science China Materials</i> , 2021, 64, 3069-3078.	6.3	26
13	Anti-fatigue adhesive and tough hydrogels regulated by adenine and uracil. <i>Polymer Chemistry</i> , 2018, 9, 4535-4542.	3.9	25
14	Multipurpose and Durable Adhesive Hydrogel Assisted by Adenine and Uracil from Ribonucleic Acid. <i>Chemistry - A European Journal</i> , 2018, 24, 15119-15125.	3.3	13