

Tianqi Liu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,187
citations

687363

13
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1728
citing authors

#	ARTICLE	IF	CITATIONS
1	Dramatically enhancing mechanical properties of hydrogels by drying reactive polymers at elevated temperatures to introduce strong physical and chemical crosslinks. <i>Polymer</i> , 2022, 249, 124842.	3.8	9
2	Strong adhesion of poly(vinyl alcohol)–glycerol hydrogels onto metal substrates for marine antifouling applications. <i>Soft Matter</i> , 2020, 16, 709-717.	2.7	25
3	Strong adhesion of hydrogels by polyelectrolyte adhesives. <i>Polymer</i> , 2020, 206, 122845.	3.8	19
4	Mechanically Strong, Tough, and Shape Deformable Poly(acrylamide-co-vinylimidazole) Hydrogels Based on Cu ²⁺ Complexation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44205-44214.	8.0	44
5	Solid-phase esterification between poly(vinyl alcohol) and malonic acid and its function in toughening hydrogels. <i>Polymer Chemistry</i> , 2020, 11, 4787-4797.	3.9	20
6	Biomimetic anisotropic poly(vinyl alcohol) hydrogels with significantly enhanced mechanical properties by freezing–thawing under drawing. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3243-3249.	5.8	52
7	Hydrogen-Bonded Polymer–Small Molecule Complexes with Tunable Mechanical Properties. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800050.	3.9	53
8	Thermoresponsive Deformable Actuators Prepared by Local Electrochemical Reduction of Poly(N-isopropylacrylamide)/Graphene Oxide Hydrogels. <i>ACS Applied Nano Materials</i> , 2018, 1, 1522-1530.	5.0	39
9	Super-strong and tough poly(vinyl alcohol)/poly(acrylic acid) hydrogels reinforced by hydrogen bonding. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8105-8114.	5.8	162
10	Tough, Stimuli-Responsive, and Biocompatible Hydrogels with Very High Water Content. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800474.	3.9	10
11	Rigid and Strong Thermoresponsive Shape Memory Hydrogels Transformed from Poly(vinylpyrrolidone-co-acryloxy acetophenone) Organogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32707-32716.	8.0	54
12	Facile preparation of hydrogen-bonded supramolecular polyvinyl alcohol-glycerol gels with excellent thermoplasticity and mechanical properties. <i>Polymer</i> , 2017, 111, 168-176.	3.8	153
13	Nanostructured biogel templated synthesis of Fe ₃ O ₄ nanoparticles and its application for catalytic degradation of xylene orange. <i>RSC Advances</i> , 2017, 7, 758-763.	3.6	5
14	Complex shape deformations of homogeneous poly(N-isopropylacrylamide)/graphene oxide hydrogels programmed by local NIR irradiation. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7997-8003.	5.8	59
15	Surface Patterning of Hydrogels for Programmable and Complex Shape Deformations by Ion Inkjet Printing. <i>Advanced Functional Materials</i> , 2017, 27, 1701962.	14.9	122
16	Poly(vinyl alcohol)–Tannic Acid Hydrogels with Excellent Mechanical Properties and Shape Memory Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27199-27206.	8.0	361