

Yixuan

List of Publications by Year in descending order

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16
papers

1,066
citations

840776

11
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1125743

13
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docs citations

16
times ranked

1371
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt-Mediated Polyampholyte Hydrogels with High Mechanical Strength, Excellent Self-Healing Property, and Satisfactory Electrical Conductivity. <i>Advanced Functional Materials</i> , 2018, 28, 1804416.	14.9	201
2	Self-Healing Proton-Exchange Membranes Composed of Nafion-Poly(vinyl alcohol) Complexes for Durable Direct Methanol Fuel Cells. <i>Advanced Materials</i> , 2018, 30, e1707146.	21.0	116
3	Mechanically Robust Atomic Oxygen-Resistant Coatings Capable of Autonomously Healing Damage in Low Earth Orbit Space Environment. <i>Advanced Materials</i> , 2018, 30, e1803854.	21.0	109
4	Healable and Mechanically Superstrong Polymeric Composites Derived from Hydrogen-Bonded Polymeric Complexes. <i>Advanced Materials</i> , 2019, 31, e1904882.	21.0	109
5	Highly Transparent and Water-Enabled Healable Antifogging and Frost-Resisting Films Based on Poly(vinyl alcohol)-Nafion Complexes. <i>Chemistry of Materials</i> , 2016, 28, 6975-6984.	6.7	96
6	Degradable Poly(vinyl alcohol)-Based Supramolecular Plastics with High Mechanical Strength in a Watery Environment. <i>Advanced Materials</i> , 2021, 33, e2007371.	21.0	77
7	Reduced Graphene Oxide-Reinforced Polymeric Films with Excellent Mechanical Robustness and Rapid and Highly Efficient Healing Properties. <i>ACS Nano</i> , 2017, 11, 7134-7141.	14.6	73
8	Dynamic Hydrophobic Domains Enable the Fabrication of Mechanically Robust and Highly Elastic Poly(vinyl alcohol)-Based Hydrogels with Excellent Self-Healing Ability. , 2020, 2, 764-770.		59
9	Healable Antifouling Films Composed of Partially Hydrolyzed Poly(2-ethyl-2-oxazoline) and Poly(acrylic acid). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14429-14436.	8.0	51
10	Healable and Recyclable Polymeric Materials with High Mechanical Robustness. , 2022, 4, 554-571.		49
11	Healability Demonstrates Enhanced Shape-Recovery of Graphene-Oxide-Reinforced Shape-Memory Polymeric Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2897-2906.	8.0	36
12	Highly Stretchable, Elastic, Healable, and Ultra-Durable Polyvinyl Alcohol-Based Ionic Conductors Capable of Safe Disposal. <i>CCS Chemistry</i> , 2022, 4, 3170-3180.	7.8	27
13	Degradable, Recyclable, Water-Resistant, and Eco-Friendly Poly(vinyl alcohol)-Based Supramolecular Plastics. , 2022, 4, 1132-1138.		26
14	Polymeric Complex Nanoparticles Enable the Fabrication of Mechanically Superstrong and Recyclable Poly(aryl ether sulfone)-based Polymer Composites. <i>CCS Chemistry</i> , 2020, 2, 524-532.	7.8	19
15	Polymeric Complex Nanoparticles Enable the Fabrication of Mechanically Superstrong and Recyclable Poly(aryl ether sulfone)-based Polymer Composites. <i>CCS Chemistry</i> , 2020, 2, 524-532.	7.8	11
16	Self-healing and highly elastic fluorine-free proton exchange membranes comprised of poly(vinyl) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 1	6.3	7