

Zhe Chen

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

826
citations

1163117
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1372567
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g-index

11
all docs

11
docs citations

11
times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of highly stretchable hydrogel with diverse UV curable polymers. Science Advances, 2021, 7, .	10.3	233
2	3D Printing of Multifunctional Hydrogels. Advanced Functional Materials, 2019, 29, 1900971.	14.9	225
3	Mechanically Robust and UVâ€Curable Shapeâ€Memory Polymers for Digital Light Processing Based 4D Printing. Advanced Materials, 2021, 33, e2101298.	21.0	129
4	Miniature Pneumatic Actuators for Soft Robots by Highâ€Resolution Multimaterial 3D Printing. Advanced Materials Technologies, 2019, 4, 1900427.	5.8	91
5	3D Printing Method for Tough Multifunctional Particle-Based Double-Network Hydrogels. ACS Applied Materials & Interfaces, 2021, 13, 13714-13723.	8.0	50
6	3D Printing of Conductive Hydrogelâ€Elastomer Hybrids for Stretchable Electronics. ACS Applied Materials & Interfaces, 2021, 13, 59243-59251.	8.0	37
7	Design and Characterization of a Soft Dielectric Elastomer Peristaltic Pump Driven by Electromechanical Load. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2132-2143.	5.8	28
8	Ultrastretchable and conductive core/sheath hydrogel fibers with multifunctionality. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 272-280.	2.1	26
9	Indentation of elastomeric membranes by sphere-tipped indenters: Snap-through instability, shrinkage, and puncture. Journal of the Mechanics and Physics of Solids, 2022, 167, 104973.	4.8	5
10	Soft Robotics: Miniature Pneumatic Actuators for Soft Robots by Highâ€Resolution Multimaterial 3D Printing (Adv. Mater. Technol. 10/2019). Advanced Materials Technologies, 2019, 4, 1970054.	5.8	2
11	Shapeâ€Memory Polymers: Mechanically Robust and UVâ€Curable Shapeâ€Memory Polymers for Digital Light Processing Based 4D Printing (Adv. Mater. 27/2021). Advanced Materials, 2021, 33, 2170210.	21.0	0