

Amir Mohammadi Nasab

List of Publications by Year in descending order

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690
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Filler Aspect Ratio on Stiffness and Conductivity in Phase-Changing Particulate Composites. Advanced Materials Technologies, 2022, 7, 2100920.	5.8	14
2	Robust Bicontinuous Elastomer-Metal Foam Composites with Highly Tunable Stiffness. Advanced Engineering Materials, 2022, 24, .	3.5	8
3	Dynamically Tunable Dry Adhesion through a Subsurface Thin Layer with Tunable Stiffness. Advanced Materials Interfaces, 2022, 9, .	3.7	5
4	Robust Three-Component Elastomer-Particle-Fiber Composites with Tunable Properties for Soft Robotics. Advanced Intelligent Systems, 2021, 3, 2000166.	6.1	19
5	Dynamically Tunable Friction via Subsurface Stiffness Modulation. Frontiers in Robotics and AI, 2021, 8, 691789.	3.2	7
6	Adhesion of flat-ended pillars with non-circular contacts. Soft Matter, 2020, 16, 9534-9542.	2.7	11
7	Uniform conductivity in stretchable silicones <i>via</i> multiphase inclusions. Soft Matter, 2020, 16, 5827-5839.	2.7	23
8	Switchable Adhesion via Subsurface Pressure Modulation. ACS Applied Materials & Interfaces, 2020, 12, 27717-27725.	8.0	20
9	Scalable sim-to-real transfer of soft robot designs. , 2020, , .		40
10	Highly Dynamic Shape Memory Alloy Actuator for Fast Moving Soft Robots. Advanced Materials Technologies, 2019, 4, 1800540.	5.8	125
11	Chasing biomimetic locomotion speeds: Creating untethered soft robots with shape memory alloy actuators. Science Robotics, 2018, 3, .	17.6	125
12	Buckling and post-buckling of an elastic rod embedded in a bilayer matrix. Extreme Mechanics Letters, 2018, 25, 1-6.	4.1	3
13	Dynamically Tunable Dry Adhesion via Subsurface Stiffness Modulation. Advanced Materials Interfaces, 2018, 5, 1800321.	3.7	58
14	A Soft Gripper with Rigidity Tunable Elastomer Strips as Ligaments. Soft Robotics, 2017, 4, 411-420.	8.0	85
15	Buckling shape transition of an embedded thin elastic rod after failure of surrounding elastic medium. Extreme Mechanics Letters, 2017, 15, 51-56.	4.1	4
16	Modeling and optimizing a CHP system for natural gas pressure reduction plant. Energy, 2012, 40, 358-369.	8.8	63