

Amir Mohammadi Nasab

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

338
citations

8
h-index

16
g-index

16
ext. papers

453
ext. citations

6.2
avg, IF

3.79
L-index

#	Paper	IF	Citations
16	Dynamically Tunable Friction via Subsurface Stiffness Modulation. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 691789	2.8	3
15	Robust Three-Component Elastomer-Particle-Fiber Composites with Tunable Properties for Soft Robotics. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000166	6	6
14	Uniform conductivity in stretchable silicones via multiphase inclusions. <i>Soft Matter</i> , 2020 , 16, 5827-5839	3.6	12
13	Switchable Adhesion via Subsurface Pressure Modulation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27717-27725	9.5	10
12	Scalable sim-to-real transfer of soft robot designs 2020 ,		16
11	Adhesion of flat-ended pillars with non-circular contacts. <i>Soft Matter</i> , 2020 , 16, 9534-9542	3.6	5
10	Highly Dynamic Shape Memory Alloy Actuator for Fast Moving Soft Robots. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800540	6.8	58
9	Dynamically Tunable Dry Adhesion via Subsurface Stiffness Modulation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800321	4.6	41
8	Chasing biomimetic locomotion speeds: Creating untethered soft robots with shape memory alloy actuators. <i>Science Robotics</i> , 2018 , 3,	18.6	58
7	Buckling and post-buckling of an elastic rod embedded in a bilayer matrix. <i>Extreme Mechanics Letters</i> , 2018 , 25, 1-6	3.9	2
6	A Soft Gripper with Rigidity Tunable Elastomer Strips as Ligaments. <i>Soft Robotics</i> , 2017 , 4, 411-420	9.2	64
5	Buckling shape transition of an embedded thin elastic rod after failure of surrounding elastic medium. <i>Extreme Mechanics Letters</i> , 2017 , 15, 51-56	3.9	4
4	Modeling and optimizing a CHP system for natural gas pressure reduction plant. <i>Energy</i> , 2012 , 40, 358-369	3.9	52
3	Robust Bicontinuous Elastomer-Metal Foam Composites with Highly Tunable Stiffness. <i>Advanced Engineering Materials</i> , 2101533	3.5	2
2	Dynamically Tunable Dry Adhesion through a Subsurface Thin Layer with Tunable Stiffness. <i>Advanced Materials Interfaces</i> , 2102080	4.6	1
1	Effect of Filler Aspect Ratio on Stiffness and Conductivity in Phase-Changing Particulate Composites. <i>Advanced Materials Technologies</i> , 2100920	6.8	4