

# Amir Mohammadi Nasab

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9274581/publications.pdf>

Version: 2024-02-01

16  
papers

610  
citations

1039406

9  
h-index

996533

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chasing biomimetic locomotion speeds: Creating untethered soft robots with shape memory alloy actuators. <i>Science Robotics</i> , 2018, 3, .	9.9	125
2	Highly Dynamic Shape Memory Alloy Actuator for Fast Moving Soft Robots. <i>Advanced Materials Technologies</i> , 2019, 4, 1800540.	3.0	125
3	A Soft Gripper with Rigidity Tunable Elastomer Strips as Ligaments. <i>Soft Robotics</i> , 2017, 4, 411-420.	4.6	85
4	Modeling and optimizing a CHP system for natural gas pressure reduction plant. <i>Energy</i> , 2012, 40, 358-369.	4.5	63
5	Dynamically Tunable Dry Adhesion via Subsurface Stiffness Modulation. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800321.	1.9	58
6	Scalable sim-to-real transfer of soft robot designs. , 2020, , .		40
7	Uniform conductivity in stretchable silicones <i>via</i> multiphase inclusions. <i>Soft Matter</i> , 2020, 16, 5827-5839.	1.2	23
8	Switchable Adhesion via Subsurface Pressure Modulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27717-27725.	4.0	20
9	Robust Three-Component Elastomer-Particle-Fiber Composites with Tunable Properties for Soft Robotics. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000166.	3.3	19
10	Effect of Filler Aspect Ratio on Stiffness and Conductivity in Phase-Changing Particulate Composites. <i>Advanced Materials Technologies</i> , 2022, 7, 2100920.	3.0	14
11	Adhesion of flat-ended pillars with non-circular contacts. <i>Soft Matter</i> , 2020, 16, 9534-9542.	1.2	11
12	Robust Bicontinuous Elastomer-Metal Foam Composites with Highly Tunable Stiffness. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	8
13	Dynamically Tunable Friction via Subsurface Stiffness Modulation. <i>Frontiers in Robotics and AI</i> , 2021, 8, 691789.	2.0	7
14	Dynamically Tunable Dry Adhesion through a Subsurface Thin Layer with Tunable Stiffness. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
15	Buckling shape transition of an embedded thin elastic rod after failure of surrounding elastic medium. <i>Extreme Mechanics Letters</i> , 2017, 15, 51-56.	2.0	4
16	Buckling and post-buckling of an elastic rod embedded in a bilayer matrix. <i>Extreme Mechanics Letters</i> , 2018, 25, 1-6.	2.0	3