

Mahdi BaniAsadi

List of Publications by Year in descending order

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11
papers

306
citations

1040056

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1281871

11
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11
all docs

11
docs citations

11
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Magneto-electro-responsive polymers toward manufacturing, characterization, and biomedical/ soft robotic applications. <i>Applied Materials Today</i> , 2022, 26, 101306.	4.3	70
2	An experimental investigation on structural design of shape memory polymers. <i>Smart Materials and Structures</i> , 2019, 28, 095017.	3.5	38
3	Force and multiple-shape-recovery in shape-memory-polymers under finite deformation torsion-extension. <i>Smart Materials and Structures</i> , 2020, 29, 055011.	3.5	31
4	Constitutive Modeling of multi-stimuli-responsive shape memory polymers with multi-functional capabilities. <i>International Journal of Mechanical Sciences</i> , 2021, 192, 106082.	6.7	30
5	Multiple Shape Memory Effect for Smart Helical Springs with Variable Stiffness over Time and Temperature. <i>International Journal of Mechanical Sciences</i> , 2020, 182, 105742.	6.7	30
6	Crack self-healing of thermo-responsive shape memory polymers with application to control valves, filtration, and drug delivery capsule. <i>European Journal of Mechanics, A/Solids</i> , 2021, 85, 104093.	3.7	25
7	Shape-memory polymer metamaterials based on triply periodic minimal surfaces. <i>European Journal of Mechanics, A/Solids</i> , 2022, 96, 104676.	3.7	23
8	Enhancing shape memory properties of multi-layered and multi-material polymer composites in 4D printing. <i>Smart Materials and Structures</i> , 2021, 30, 105006.	3.5	21
9	Development of a large strain formulation for multiple shape-memory-effect of polymers under bending. <i>International Journal of Mechanical Sciences</i> , 2021, 204, 106560.	6.7	20
10	Finite strain relaxation and creep in coupled axial and torsional deformation. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2795-2811.	4.7	9
11	Mechanical properties improvement of shape memory polymers by designing the microstructure of multi-phase heterogeneous materials. <i>Computational Materials Science</i> , 2021, 196, 110523.	3.0	9