

Ebrahim Yarali

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

325
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

198
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	Magnetorheological elastomer composites: Modeling and dynamic finite element analysis. <i>Composite Structures</i> , 2020, 254, 112881.	5.8	49
3	Energy Absorption and Mechanical Performance of Functionally Graded Soft-Hard Lattice Structures. <i>Materials</i> , 2021, 14, 1366.	2.9	38
4	Numerical homogenization of coiled carbon nanotube reinforced shape memory polymer nanocomposites. <i>Smart Materials and Structures</i> , 2019, 28, 035026.	3.5	35
5	A comprehensive review on thermomechanical constitutive models for shape memory polymers. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 1243-1283.	2.5	31
6	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
7	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
8	Mathematical modeling and experimental evaluation of a prototype double-tube Magnetorheological damper. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	17
9	Multi-Trigger Thermo-Electro-Mechanical Soft Actuators under Large Deformations. <i>Polymers</i> , 2020, 12, 489.	4.5	16
10	Developing an analytical solution for a thermally tunable soft actuator under finite bending. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1793-1807.	4.7	14