Antonia Georgopoulou

List of Publications by Year
in descending order

15	452	932766 10	1058022 14
papers	citations	h-index	g-index

15	15	15	245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on self-healing polymers for soft robotics. Materials Today, 2021, 47, 187-205.	8.3	150
2	Piezoresistive Elastomer-Based Composite Strain Sensors and Their Applications. ACS Applied Electronic Materials, 2020, 2, 1826-1842.	2.0	69
3	Piezoresistive sensor fiber composites based on silicone elastomers for the monitoring of the position of a robot arm. Sensors and Actuators A: Physical, 2021, 318, 112433.	2.0	43
4	Thermoplastic elastomer composite filaments for strain sensing applications extruded with a fused deposition modelling 3D printer. Flexible and Printed Electronics, 2020, 5, 035002.	1.5	29
5	A Sensorized Soft Pneumatic Actuator Fabricated with Extrusion-Based Additive Manufacturing. Actuators, 2021, 10, 102.	1.2	29
6	Fabrication of a Soft Robotic Gripper With Integrated Strain Sensing Elements Using Multi-Material Additive Manufacturing. Frontiers in Robotics and AI, 2021, 8, 615991.	2.0	26
7	Effect of the Elastomer Matrix on Thermoplastic Elastomer-Based Strain Sensor Fiber Composites. Sensors, 2020, 20, 2399.	2.1	21
8	Using Redundant and Disjoint Time-Variant Soft Robotic Sensors for Accurate Static State Estimation. IEEE Robotics and Automation Letters, 2021, 6, 2099-2105.	3.3	19
9	Sensorized Robotic Skin Based on Piezoresistive Sensor Fiber Composites Produced with Injection Molding of Liquid Silicone. Polymers, 2021, 13, 1226.	2.0	19
10	Pellet-based fused deposition modeling for the development of soft compliant robotic grippers with integrated sensing elements. Flexible and Printed Electronics, 2022, 7, 025010.	1.5	13
11	Supramolecular Self-Healing Sensor Fiber Composites for Damage Detection in Piezoresistive Electronic Skin for Soft Robots. Polymers, 2021, 13, 2983.	2.0	12
12	2D Printing of Piezoresistive Auxetic Silicone Sensor Structures. IEEE Robotics and Automation Letters, 2021, 6, 2541-2546.	3.3	9
13	Adhesion and Stiffness Matching in Epoxy-Vitrimers/Strain Sensor Fiber Laminates. ACS Applied Polymer Materials, 2022, 4, 1264-1275.	2.0	9
14	Case study of a rapid prototyping method for optimizing soft gripper structures with integrated piezoresistive sensors. , 2022, , .		3
15	A Soft Pneumatic Actuator with Integrated Deformation Sensing Elements Produced Exclusively with Extrusion Based Additive Manufacturing. Engineering Proceedings, 2021, 6, .	0.4	1