

A Review of Ionic Polymeric Soft Actuators and Sensors

Soft Robotics

1, 38-52

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Self-Healing Recovering Tough Gel Electrolyte with Adjustable Supercapacitor Performance. <i>Advanced Materials</i> , 2014, 26, 4370-4375.	11.1	172
2	Lifetime measurements of ionic electroactive polymer actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 2267-2275.	1.4	12
3	Development, analysis, and comparison of electromechanical properties of Bucky paper IPMC actuator. , 2014, , .		0
4	Electro-mechanical actuator with muscle memory. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8029-8034.	2.7	43
5	A tentacle-like double section curvature tunable actuator with light guiding/drug delivery ability for biomedical applications. , 2015, , .		1
6	Ionic Polymer-Metal Composites (IPMCs) as Impact Sensors. , 2015, , .		1
7	Double-section curvature tunable functional actuator with micromachined buckle and grid wire for electricity delivery. <i>Smart Materials and Structures</i> , 2015, 24, 095010.	1.8	9
8	Polyoxometalate-ionic conductive polymer composites for energy conversion, energy storage and nanostructured sensors. <i>Dalton Transactions</i> , 2015, 44, 7092-7104.	1.6	202
9	Aided manufacturing techniques and applications in optics and manipulation for ionic polymer-metal composites as soft sensors and actuators. <i>Journal of Polymer Engineering</i> , 2015, 35, 611-626.	0.6	12
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11	Micromanipulation tool replaceable soft actuator with gripping force enhancing and output motion converting mechanisms. , 2015, , .		6
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16	Programmable Superfast Multistep Folding of Hydrogel Bilayers. <i>Advanced Functional Materials</i> , 2016, 26, 7733-7739.	7.8	77
17	Arch-Shaped Ionic Polymer-Metal Composite Actuator Integratable With Micromachined Functional Tools for Micromanipulation. <i>IEEE Sensors Journal</i> , 2016, 16, 7109-7115.	2.4	6
18	Electroactive polymers for sensing. <i>Interface Focus</i> , 2016, 6, 20160026.	1.5	158

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22	Stimuli-Responsive Polymers for Actuation. ChemPhysChem, 2017, 18, 1451-1465.	1.0	55
23	Electronic Muscles and Skins: A Review of Soft Sensors and Actuators. Chemical Reviews, 2017, 117, 11239-11268.	23.0	418
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