

Liang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

278
citations

759055

12
h-index

940416

16
g-index

23
all docs

23
docs citations

23
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of loading voltage, domain ratio, and additional load on the actuation of dielectric elastomer. <i>Nanotechnology Reviews</i> , 2022, 11, 1068-1075.	2.6	4
2	Surface profile topography of ionic polymer metal composite based on fractal theory. <i>Surfaces and Interfaces</i> , 2021, 22, 100834.	1.5	17
3	Performance analysis of IPMC electrode based on the densest packing principle. <i>Journal of Materials Research</i> , 2021, 36, 1295-1305.	1.2	8
4	Electroless copper deposition and interface characteristics of ionic electroactive polymer. <i>Journal of Materials Research and Technology</i> , 2021, 11, 849-856.	2.6	18
5	Preparation and performance analysis of Pt-IPMC for driving bionic tulip. <i>Journal of Advanced Dielectrics</i> , 2021, 11, 2150017.	1.5	5
6	Recent progress in preparation process of ionic polymer-metal composites. <i>Results in Physics</i> , 2021, 29, 104800.	2.0	20
7	Permittivity, loss factor and Cole-Cole model of acrylic materials for dielectric elastomers. <i>Results in Physics</i> , 2021, 29, 104781.	2.0	16
8	Effect of different prestretching index and preloading on actuation behaviors of dielectric elastomer actuator. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4064-4073.	2.6	10
9	Fabrication of Cu/Nafion-Based Ionic Polymer Metal Composites by Electroless Plating Method. <i>Integrated Ferroelectrics</i> , 2020, 209, 48-57.	0.3	12
10	Actuation Modeling of Ionic Polymer Metal Composite Actuators Using Micromechanics Approach. <i>Advanced Engineering Materials</i> , 2020, 22, 2000537.	1.6	22
11	Surface roughening of Nafion membranes using different route planning for IPMCs. <i>International Journal of Smart and Nano Materials</i> , 2020, 11, 117-128.	2.0	14
12	Research on Process Optimization of Ag-IPMC. <i>Integrated Ferroelectrics</i> , 2020, 210, 106-115.	0.3	8
13	Property of Nafion-ionic polymer-metal composites based on Mori-Tanaka methodology and gradient mechanics. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	5
14	Property of ionic polymer metal composite with different thicknesses based on solution casting technique. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050263.	1.0	11
15	Fabrication and Actuation of Cu-Ionic Polymer Metal Composite. <i>Polymers</i> , 2020, 12, 460.	2.0	13
16	Orthogonal optimum design of parameters of flux used for low carbon bainitic steel. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	1
17	Prediction of the Actuation Property of Cu Ionic Polymer Metal Composites Based on Backpropagation Neural Networks. <i>ACS Omega</i> , 2020, 5, 4067-4074.	1.6	23
18	Models of displacement and blocking force of ionic-polymer metal composites based on actuation mechanism. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	16

#	ARTICLE	IF	CITATIONS
19	Effect of different welding energy on microstructure and toughness of HAZ of low carbon bainitic steel. International Journal of Modern Physics B, 2020, 34, 2050319.	1.0	2
20	Submerged Arc Welding—X100 Pipeline Steels. Materials and Manufacturing Processes, 2014, 29, 64-68.	2.7	14
21	Fabrication of SiC _p /Cu-Al electronic packaging material by pressureless infiltration method. Materials Science and Technology, 2013, 29, 326-331.	0.8	4
22	Microstructure and Mechanical Properties of Joints of X100 Line Pipe by Submerged Arc Welding. Applied Mechanics and Materials, 0, 310, 139-144.	0.2	1