

Jimin Gu

List of Publications by Year in descending order

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16
papers

511
citations

759233

12
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergetic Effect of Porous Elastomer and Percolation of Carbon Nanotube Filler toward High Performance Capacitive Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1698-1706.	8.0	113
2	Wearable Strain Sensors Using Light Transmittance Change of Carbon Nanotube-Embedded Elastomers with Microcracks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10908-10917.	8.0	64
3	Morphology-controllable wrinkled hierarchical structure and its application to superhydrophobic triboelectric nanogenerator. <i>Nano Energy</i> , 2021, 85, 105978.	16.0	54
4	Wearable self-powered pressure sensor by integration of piezo-transmittance microporous elastomer with organic solar cell. <i>Nano Energy</i> , 2020, 74, 104749.	16.0	49
5	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. <i>ACS Sensors</i> , 2020, 5, 1363-1373.	7.8	37
6	Ultra-Wide Range Pressure Sensor Based on a Microstructured Conductive Nanocomposite for Wearable Workout Monitoring. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001461.	7.6	33
7	Self-powered strain sensor based on the piezo-transmittance of a mechanical metamaterial. <i>Nano Energy</i> , 2021, 89, 106447.	16.0	30
8	Microdome-Induced Strain Localization for Biaxial Strain Decoupling toward Stretchable and Wearable Human Motion Detection. <i>Langmuir</i> , 2020, 36, 8939-8946.	3.5	26
9	All-Recyclable Triboelectric Nanogenerator for Sustainable Ocean Monitoring Systems. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	26
10	A Review of Recent Advances in Electrically Driven Polymer-Based Flexible Actuators: Smart Materials, Structures, and Their Applications. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	24
11	Sensitivity-Controllable Liquid-Metal-Based Pressure Sensor for Wearable Applications. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4027-4036.	4.3	23
12	Biopsy needle integrated with multi-modal physical/chemical sensor array. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111822.	10.1	19
13	Biocompatible Nanotransfer Printing Based on Water Bridge Formation in Hyaluronic Acid and Its Application to Smart Contact Lenses. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35069-35078.	8.0	10
14	Strain Sensor Based on Optical Intensity Change Through the Carbon Nanotube Embedded Elastomer. , 2019, , .		2
15	Optical type strain sensor based on variable-transmittance of carbon nanotube embedded elastomer thin film. , 2018, , .		1
16	Stretchable fabric heater based on silver nanowire, carbon nanotube composites. , 2019, , .		0