

Yifei Luo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,417
citations

377584

21
h-index

721071

23
g-index

23
all docs

23
docs citations

23
times ranked

3858
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanically Interlocking Strategy Based on Conductive Microbridges for Stretchable Electronics. <i>Advanced Materials</i> , 2022, 34, e2101339.	11.1	35
2	Porous evaporators with special wettability for low-grade heat-driven water desalination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 702-726.	5.2	60
3	Artificial Skin Perception. <i>Advanced Materials</i> , 2021, 33, e2003014.	11.1	203
4	Fusing Stretchable Sensing Technology with Machine Learning for Human-Machine Interfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2008807.	7.8	84
5	A Morphable Ionic Electrode Based on Thermogel for Non-Invasive Hairy Plant Electrophysiology. <i>Advanced Materials</i> , 2021, 33, e2007848.	11.1	51
6	Decimal Solvent-Based High-Entropy Electrolyte Enabling the Extended Survival Temperature of Lithium-Ion Batteries to $\sim 130^{\circ}\text{C}$. <i>CCS Chemistry</i> , 2021, 3, 1245-1255.	4.6	65
7	Machine Learning-Reinforced Noninvasive Biosensors for Healthcare. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100734.	3.9	62
8	An on-demand plant-based actuator created using conformable electrodes. <i>Nature Electronics</i> , 2021, 4, 134-142.	13.1	81
9	Artificial Sense Technology: Emulating and Extending Biological Senses. <i>ACS Nano</i> , 2021, 15, 18671-18678.	7.3	64
10	Tough hydrogel module towards an implantable remote and controlled release device. <i>Biomaterials Science</i> , 2020, 8, 960-972.	2.6	19
11	Insights into the epigenetic effects of nanomaterials on cells. <i>Biomaterials Science</i> , 2020, 8, 763-775.	2.6	33
12	Devising Materials Manufacturing Toward Lab-to-Fab Translation of Flexible Electronics. <i>Advanced Materials</i> , 2020, 32, e2001903.	11.1	60
13	An artificial sensory neuron with visual-haptic fusion. <i>Nature Communications</i> , 2020, 11, 4602.	5.8	166
14	Polymeric Membranes with Selective Solution-Diffusion for Intercepting Volatile Organic Compounds during Solar-Driven Water Remediation. <i>Advanced Materials</i> , 2020, 32, e2004401.	11.1	142
15	Mechanically Interlocked Hydrogel-Elastomer Hybrids for On-Skin Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 1909540.	7.8	120
16	Highly Stable and Stretchable Conductive Films through Thermal-Radiation-Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019, 31, e1901360.	11.1	96
17	Mechanocombinatorially Screening Sensitivity of Stretchable Strain Sensors. <i>Advanced Materials</i> , 2019, 31, e1903130.	11.1	82
18	Surface Strain Redistribution on Structured Microfibers to Enhance Sensitivity of Fiber-Shaped Stretchable Strain Sensors. <i>Advanced Materials</i> , 2018, 30, 1704229.	11.1	208

#	ARTICLE	IF	CITATIONS
19	Editable Supercapacitors with Customizable Stretchability Based on Mechanically Strengthened Ultralong MnO ₂ Nanowire Composite. <i>Advanced Materials</i> , 2018, 30, 1704531.	11.1	270
20	Honeycomb-Lantern-Inspired 3D Stretchable Supercapacitors with Enhanced Specific Areal Capacitance. <i>Advanced Materials</i> , 2018, 30, e1805468.	11.1	152
21	Calcinable Polymer Membrane with Revivability for Efficient Oil-Water Remediation. <i>Advanced Materials</i> , 2018, 30, e1801870.	11.1	176
22	Conductive Inks Based on a Lithium Titanate Nanotube Gel for High-Rate Lithium-Ion Batteries with Customized Configuration. <i>Advanced Materials</i> , 2016, 28, 1567-1576.	11.1	178