

Liang Pan

List of Publications by Year in descending order

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28
papers

2,143
citations

448610

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620720

26
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all docs

28
docs citations

28
times ranked

3126
citing authors

#	ARTICLE	IF	CITATIONS
1	Assemblies and composites of gold nanostructures for functional devices. <i>Aggregate</i> , 2022, 3, e57.	5.2	10
2	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. <i>Advanced Materials</i> , 2022, 34, e2106212.	11.1	19
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 Compliant Ionic Adhesive Electrode with Ultralow Bioelectronic Impedance. <i>Advanced Materials</i> , 2020, 32, e2003723.	11.1	86
6	Lab-on-Mask for Remote Respiratory Monitoring. , 2020, 2, 1178-1181.		58
7	An On-Skin Electrode with Anti-Epidermal-Surface-Lipid Function Based on a Zwitterionic Polymer Brush. <i>Advanced Materials</i> , 2020, 32, e2001130.	11.1	74
8	Locally coupled electromechanical interfaces based on cytoadhesion-inspired hybrids to identify muscular excitation-contraction signatures. <i>Nature Communications</i> , 2020, 11, 2183.	5.8	47
9	Gesture recognition using a bioinspired learning architecture that integrates visual data with somatosensory data from stretchable sensors. <i>Nature Electronics</i> , 2020, 3, 563-570.	13.1	298
10	A supertough electro-tendon based on spider silk composites. <i>Nature Communications</i> , 2020, 11, 1332.	5.8	73
11	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring. , 2020, 2, 478-484.		107
12	Simultaneous implementation of resistive switching and rectifying effects in a metal-organic framework with switched hydrogen bond pathway. <i>Science Advances</i> , 2019, 5, eaaw4515.	4.7	90
13	Mechano-regulated metal-organic framework nanofilm for ultrasensitive and anti-jamming strain sensing. <i>Nature Communications</i> , 2018, 9, 3813.	5.8	57
14	Nanochannels: A 1D Vanadium Dioxide Nanochannel Constructed via Electric-Field-Induced Ion Transport and its Superior Metal-Insulator Transition (<i>Adv. Mater.</i> 39/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
15	A 1D Vanadium Dioxide Nanochannel Constructed via Electric-Field-Induced Ion Transport and its Superior Metal-Insulator Transition. <i>Advanced Materials</i> , 2017, 29, 1702162.	11.1	79
16	Organic Biomimicking Memristor for Information Storage and Processing Applications. <i>Advanced Electronic Materials</i> , 2016, 2, 1500298.	2.6	181
17	Synaptic plasticity and learning behaviours in flexible artificial synapse based on polymer/viologen system. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3217-3223.	2.7	61
18	Reversible Luminescence Modulation upon an Electric Field on a Full Solid-State Device Based on Lanthanide Dimers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15551-15556.	4.0	8

#	ARTICLE	IF	CITATIONS
19	An organic terpyridyl-iron polymer based memristor for synaptic plasticity and learning behavior simulation. RSC Advances, 2016, 6, 25179-25184.	1.7	48
20	Nonvolatile Memory: Metal-Organic Framework Nanofilm for Mechanically Flexible Information Storage Applications (Adv. Funct. Mater. 18/2015). Advanced Functional Materials, 2015, 25, 2630-2630.	7.8	1
21	Metal-Organic Framework Nanofilm for Mechanically Flexible Information Storage Applications. Advanced Functional Materials, 2015, 25, 2677-2685.	7.8	133
22	Transparent Electronics: Thermally Stable Transparent Resistive Random Access Memory based on All-Oxide Heterostructures (Adv. Funct. Mater. 15/2014). Advanced Functional Materials, 2014, 24, 2110-2110.	7.8	2
23	A Resistance-Switchable and Ferroelectric Metal-Organic Framework. Journal of the American Chemical Society, 2014, 136, 17477-17483.	6.6	103
24	Thermally Stable Transparent Resistive Random Access Memory based on All-Oxide Heterostructures. Advanced Functional Materials, 2014, 24, 2171-2179.	7.8	150
25	Role of oxadiazole moiety in different π -A polyazothines and related resistive switching properties. Journal of Materials Chemistry C, 2013, 1, 4556.	2.7	56
26	Nonvolatile bistable resistive switching in a new polyimide bearing 9-phenyl-9H-carbazole pendant. Journal of Materials Chemistry, 2012, 22, 520-526.	6.7	70
27	Electrically controlled electron transfer and resistance switching in reduced graphene oxide noncovalently functionalized with thionine. Journal of Materials Chemistry, 2012, 22, 16422.	6.7	42
28	Resistive Switching Memories: Observation of Conductance Quantization in Oxide-Based Resistive Switching Memory (Adv. Mater. 29/2012). Advanced Materials, 2012, 24, 3898-3898.	11.1	2