Liang Pan

List of Publications by Year
in descending order

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28	2,143	394421 19	552781 26
papers	citations	h-index	g-index

28	28	28	2732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gesture recognition using a bioinspired learning architecture that integrates visual data with somatosensory data from stretchable sensors. Nature Electronics, 2020, 3, 563-570.	26.0	298
2	Artificial Skin Perception. Advanced Materials, 2021, 33, e2003014.	21.0	203
3	Organic Biomimicking Memristor for Information Storage and Processing Applications. Advanced Electronic Materials, 2016, 2, 1500298.	5.1	181
4	Thermally Stable Transparent Resistive Random Access Memory based on Allâ€Oxide Heterostructures. Advanced Functional Materials, 2014, 24, 2171-2179.	14.9	150
5	Metalâ€Organic Framework Nanofilm for Mechanically Flexible Information Storage Applications. Advanced Functional Materials, 2015, 25, 2677-2685.	14.9	133
6	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring. , 2020, 2, 478-484.		107
7	A Resistance-Switchable and Ferroelectric Metalâ€“Organic Framework. Journal of the American Chemical Society, 2014, 136, 17477-17483.	13.7	103
8	Simultaneous implementation of resistive switching and rectifying effects in a metal-organic framework with switched hydrogen bond pathway. Science Advances, 2019, 5, eaaw4515.	10.3	90
9	A Compliant Ionic Adhesive Electrode with Ultralow Bioelectronic Impedance. Advanced Materials, 2020, 32, e2003723.	21.0	86
10	Fusing Stretchable Sensing Technology with Machine Learning for Humanâ€“Machine Interfaces. Advanced Functional Materials, 2021, 31, 2008807.	14.9	84
11	A 1D Vanadium Dioxide Nanochannel Constructed via Electricâ€Fieldâ€Induced Ion Transport and its Superior Metalâ€“Insulator Transition. Advanced Materials, 2017, 29, 1702162.	21.0	79
12	An Onâ€Skin Electrode with Antiâ€Epidermalâ€Surfaceâ€Lipid Function Based on a Zwitterionic Polymer Brush. Advanced Materials, 2020, 32, e2001130.	21.0	74
13	A supertough electro-tendon based on spider silk composites. Nature Communications, 2020, 11, 1332.	12.8	73
14	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
15	Synaptic plasticity and learning behaviours in flexible artificial synapse based on polymer/viologen system. Journal of Materials Chemistry C, 2016, 4, 3217-3223.	5.5	61
16	Lab-on-Mask for Remote Respiratory Monitoring. , 2020, 2, 1178-1181.		58
17	Mechano-regulated metalâ€“organic framework nanofilm for ultrasensitive and anti-jamming strain sensing. Nature Communications, 2018, 9, 3813.	12.8	57
18	Role of oxadiazole moiety in different Dâ€“A polyazothines and related resistive switching properties. Journal of Materials Chemistry C, 2013, 1, 4556.	5.5	56

#	Article	IF	Citations
19	An organic terpyridyl-iron polymer based memristor for synaptic plasticity and learning behavior simulation. RSC Advances, 2016, 6, 25179-25184.	3.6	48
20	Locally coupled electromechanical interfaces based on cytoadhesion-inspired hybrids to identify muscular excitation-contraction signatures. Nature Communications, 2020, 11, 2183.	12.8	47
21	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
22	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. Advanced Materials, 2022, 34, e2106212.	21.0	19
23	Assemblies and composites of gold nanostructures for functional devices. Aggregate, 2022, 3, e57.	9.9	10
24	Reversible Luminescence Modulation upon an Electric Field on a Full Solid-State Device Based on Lanthanide Dimers. ACS Applied Materials & Interfaces, 2016, 8, 15551-15556.	8.0	8
25	Resistive Switching Memories: Observation of Conductance Quantization in Oxideâ€Based Resistive Switching Memory (Adv. Mater. 29/2012). Advanced Materials, 2012, 24, 3898-3898.	21.0	2
26	Transparent Electronics: Thermally Stable Transparent Resistive Random Access Memory based on Allâ€Oxide Heterostructures (Adv. Funct. Mater. 15/2014). Advanced Functional Materials, 2014, 24, 2110-2110.	14.9	2
27	Nonvolatile Memory: Metalâ€Organic Framework Nanofilm for Mechanically Flexible Information Storage Applications (Adv. Funct. Mater. 18/2015). Advanced Functional Materials, 2015, 25, 2630-2630.	14.9	1
28	Nanochannels: A 1D Vanadium Dioxide Nanochannel Constructed via Electricâ€Fieldâ€Induced Ion Transport and its Superior Metalâ€“Insulator Transition (Adv. Mater. 39/2017). Advanced Materials, 2017, 29, .	21.0	1