

Huang Xin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5559204/publications.pdf>

Version: 2024-02-01

14
papers

664
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Triboelectric Nanogenerators as Self-Powered Electronic Skin for Robotic Tactile Sensing. <i>Advanced Functional Materials</i> , 2020, 30, 1907312.	14.9	198
2	Giant Voltage Enhancement via Triboelectric Charge Supplement Channel for Self-Powered Electroadhesion. <i>ACS Nano</i> , 2018, 12, 10262-10271.	14.6	109
3	Matrix-Independent Highly Conductive Composites for Electrodes and Interconnects in Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8567-8575.	8.0	89
4	Active Power Decoupling for Submodules of a Modular Multilevel Converter. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 125-136.	7.9	66
5	Adhesive and Hydrophobic Bilayer Hydrogel Enabled On-Skin Biosensors for High-Fidelity Classification of Human Emotion. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	58
6	Flexible Mechanical Metamaterials Enabled Electronic Skin for Real-Time Detection of Unstable Grasping in Robotic Manipulation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	48
7	Modular Multilevel Converter With Three-Port Power Channels for Medium-Voltage Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018, 6, 1495-1507.	5.4	28
8	A Flexible Microwave Sensor Based on Complementary Spiral Resonator for Material Dielectric Characterization. <i>IEEE Sensors Journal</i> , 2020, 20, 1893-1903.	4.7	24
9	Structural Engineering for High-Performance Flexible and Stretchable Strain Sensors. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000194.	6.1	22
10	Grab and Heat: Highly Responsive and Shape Adaptive Soft Robotic Heaters for Effective Heating of Objects of Three-Dimensional Curvilinear Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47476-47484.	8.0	10
11	Bioinspired Triboelectric Nanogenerators: Bioinspired Triboelectric Nanogenerators as Self-Powered Electronic Skin for Robotic Tactile Sensing (Adv. Funct. Mater. 6/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070035.	14.9	8
12	An improved ripple suppression method based on flying-capacitor modular multilevel converter for high performance MV drivers. , 2017, , .		2
13	Monte Carlo simulation of polarization switching in ferroelectric thin films by a realistic kinetic Ising model. <i>Ferroelectrics</i> , 1997, 197, 39-42.	0.6	1
14	The applications of the electronic power transformer in Photovoltaic systems. , 2011, , .		1