

Huang Xin

List of Publications by Year in descending order

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14
papers

664
citations

1040056
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1199594
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docs citations

14
times ranked

734
citing authors

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