

Hongsheng Xu

List of Publications by Year in descending order

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16
papers

501
citations

840776

11
h-index

940533

16
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16
docs citations

16
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance triboelectric nanogenerator based on electrospun PVDF-graphene nanosheet composite nanofibers for energy harvesting. <i>Nano Energy</i> , 2021, 80, 105599.	16.0	142
2	Carbon electrodes enable flat surface PDMS and PA6 triboelectric nanogenerators to achieve significantly enhanced triboelectric performance. <i>Nano Energy</i> , 2019, 55, 548-557.	16.0	85
3	Enhanced performance triboelectric nanogenerators based on solid polymer electrolytes with different concentrations of cations. <i>Nano Energy</i> , 2019, 64, 103960.	16.0	59
4	Flexible surface acoustic wave strain sensor based on single crystalline LiNbO ₃ thin film. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	49
5	Stretchable Optical Sensing Patch System Integrated Heart Rate, Pulse Oxygen Saturation, and Sweat pH Detection. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1000-1005.	4.2	28
6	A Flexible Capacitive 3D Tactile Sensor With Cross-Shaped Capacitor Plate Pair and Composite Structure Dielectric. <i>IEEE Sensors Journal</i> , 2021, 21, 1378-1385.	4.7	24
7	Controlling Performance of Organic-Inorganic Hybrid Perovskite Triboelectric Nanogenerators via Chemical Composition Modulation and Electric Field-Induced Ion Migration. <i>Advanced Energy Materials</i> , 2020, 10, 2002470.	19.5	19
8	Surface Acoustic Wave-Based Lab-on-a-Chip for Rapid Transport of Cryoprotectants across Cell Membrane for Cryopreservation with Significantly Improved Cell Viability. <i>Small</i> , 2019, 15, e1805361.	10.0	17
9	Flexible dual-mode surface acoustic wave strain sensor based on crystalline LiNbO ₃ thin film. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 025003.	2.6	17
10	A Flexible Film Bulk Acoustic Resonator Based on $\hat{1}^2$ -Phase Polyvinylidene Fluoride Polymer. <i>Sensors</i> , 2020, 20, 1346.	3.8	14
11	Flexible and fully biodegradable resistance random access memory based on a gelatin dielectric. <i>Nanotechnology</i> , 2020, 31, 255204.	2.6	12
12	A langasite surface acoustic wave wide-range temperature sensor with excellent linearity and high sensitivity. <i>AIP Advances</i> , 2021, 11, .	1.3	12
13	Comparison of sputtering and atomic layer deposition based ultra-thin alumina protective layers for high temperature surface acoustic wave devices. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4714-4724.	5.8	9
14	Ultra-thin atom layer deposited alumina film enables the precise lifetime control of fully biodegradable electronic devices. <i>Nanoscale</i> , 2019, 11, 22369-22377.	5.6	7
15	Mode Analysis of Pt/LGS Surface Acoustic Wave Devices. <i>Sensors</i> , 2020, 20, 7111.	3.8	5
16	New composite electrode for high temperature surface acoustic wave device. <i>Materials Letters</i> , 2021, 294, 129768.	2.6	2