

Jaeho Park

List of Publications by Year in descending order

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19
papers

657
citations

623734

14
h-index

888059

17
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all docs

19
docs citations

19
times ranked

891
citing authors

#	ARTICLE	IF	CITATIONS
1	High Accuracy Real-Time Multi-Gas Identification by a Batch-Uniform Gas Sensor Array and Deep Learning Algorithm. ACS Sensors, 2022, 7, 430-440.	7.8	60
2	Stretchable Printed Circuit Board Based on Leak-Free Liquid Metal Interconnection and Local Strain Control. ACS Applied Materials & Interfaces, 2022, 14, 1826-1837.	8.0	19
3	Ultra-Wide Range Pressure Sensor Based on a Microstructured Conductive Nanocomposite for Wearable Workout Monitoring. Advanced Healthcare Materials, 2021, 10, e2001461.	7.6	33
4	Real-Time Internal Steam Pop Detection during Radiofrequency Ablation with a Radiofrequency Ablation Needle Integrated with a Temperature and Pressure Sensor: Preclinical and Clinical Pilot Tests. Advanced Science, 2021, 8, e2100725.	11.2	5
5	Mechanical characteristics of metal nanoparticle thin film on flexible substrate exposed to saline solution. Nanotechnology, 2021, 32, 055701.	2.6	1
6	Biopsy needle integrated with multi-modal physical/chemical sensor array. Biosensors and Bioelectronics, 2020, 148, 111822.	10.1	19
7	Heterogeneous Conductance-Based Locally Shape-Morphable Soft Electrothermal Actuator. Advanced Materials Technologies, 2020, 5, 1900997.	5.8	24
8	Synergetic Effect of Porous Elastomer and Percolation of Carbon Nanotube Filler toward High Performance Capacitive Pressure Sensors. ACS Applied Materials & Interfaces, 2020, 12, 1698-1706.	8.0	113
9	Chemo-Mechanically Operating Palladium-Polymer Nanograting Film for a Self-Powered H ₂ Gas Sensor. ACS Nano, 2020, 14, 16813-16822.	14.6	40
10	Self-Powered Gas Sensor Based on a Photovoltaic Cell and a Colorimetric Film with Hierarchical Micro/Nanostructures. ACS Applied Materials & Interfaces, 2020, 12, 39024-39032.	8.0	24
11	Ultrathin, Biocompatible, and Flexible Pressure Sensor with a Wide Pressure Range and Its Biomedical Application. ACS Sensors, 2020, 5, 481-489.	7.8	72
12	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. ACS Sensors, 2020, 5, 1363-1373.	7.8	37
13	Electrochemical Actuators: Heterogeneous Conductance-Based Locally Shape-Morphable Soft Electrothermal Actuator (Adv. Mater. Technol. 2/2020). Advanced Materials Technologies, 2020, 5, 2070013.	5.8	2
14	Wearable self-powered pressure sensor by integration of piezo-transmittance microporous elastomer with organic solar cell. Nano Energy, 2020, 74, 104749.	16.0	49
15	Low Power Thermo-Catalytic Gas Sensor Based on Suspended Noble-Metal Nanotubes for H ₂ Sensing. , 2019, , .		3
16	Biopsy Needle Integrated with Electrical Impedance Sensing Microelectrode Array towards Real-time Needle Guidance and Tissue Discrimination. Scientific Reports, 2018, 8, 264.	3.3	32
17	Flexible multi-modal micro-biosensor towards accurate cancer tissue targeting during biopsy process. , 2017, , .		2
18	Micropatterning of metal oxide nanofibers by electrohydrodynamic (EHD) printing towards highly integrated and multiplexed gas sensor applications. Sensors and Actuators B: Chemical, 2017, 250, 574-583.	7.8	74

#	ARTICLE	IF	CITATIONS
19	A room temperature hydrogen sulfide gas sensor based on electrospun polyaniline/polyethylene oxide nanofibers directly written on flexible substrates. RSC Advances, 2016, 6, 104131-104138.	3.6	48