

# Kyuyoung Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1442531/publications.pdf>

Version: 2024-02-01

26  
papers

1,104  
citations

567281

15  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Handheld Laser Scanning Microscope Catheter for Real-Time and In vivo Confocal Microscopy using High Definition High Frame Rate Lissajous MEMS Mirror. Biomedical Optics Express, 2022, 13, 1497-1505.	2.9	6
2	Ultra-Wide Range Pressure Sensor Based on a Microstructured Conductive Nanocomposite for Wearable Workout Monitoring. Advanced Healthcare Materials, 2021, 10, e2001461.	7.6	33
3	Fast Flexible Bottom-Gated Hydrogen Sensor Based on Silicon Nanomembrane. Advanced Materials Technologies, 2021, 6, 2000847.	5.8	2
4	Sensitivity-Controllable Liquid-Metal-Based Pressure Sensor for Wearable Applications. ACS Applied Electronic Materials, 2021, 3, 4027-4036.	4.3	23
5	Battery-free, wireless soft sensors for continuous multi-site measurements of pressure and temperature from patients at risk for pressure injuries. Nature Communications, 2021, 12, 5008.	12.8	83
6	All-soft multiaxial force sensor based on liquid metal for electronic skin. Micro and Nano Systems Letters, 2021, 9, .	3.7	16
7	Customizable, conformal, and stretchable 3D electronics via predistorted pattern generation and thermoforming. Science Advances, 2021, 7, eabj0694.	10.3	27
8	Heterogeneous Conductance-Based Locally Shape-Morphable Soft Electrothermal Actuator. Advanced Materials Technologies, 2020, 5, 1900997.	5.8	24
9	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
10	Microdome-Induced Strain Localization for Biaxial Strain Decoupling toward Stretchable and Wearable Human Motion Detection. Langmuir, 2020, 36, 8939-8946.	3.5	26
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	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
13	Microporous Elastomer Filter Coated with Metal Organic Frameworks for Improved Selectivity and Stability of Metal Oxide Gas Sensors. ACS Applied Materials & Interfaces, 2020, 12, 13338-13347.	8.0	39
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	Stretchable fabric heater based on silver nanowire, carbon nanotube composites. , 2019, , .		0
16	Wearable Soft Microfluidic Pressure Sensor Using 3D-Printed Mold for Health Monitoring. , 2019, , .		1
17	Flexible Pressure Sensor Based on Porous Dielectric Elastomer Containing Conductive Filler. , 2019, , .		0
18	Highly Sensitive and Wearable Liquid Metal-Based Pressure Sensor for Health Monitoring Applications: Integration of a 3D-Printed Microbump Array with the Microchannel. Advanced Healthcare Materials, 2019, 8, e1900978.	7.6	116

#	ARTICLE	IF	CITATIONS
19	Strain-Insensitive Soft Pressure Sensor for Health Monitoring Application Using 3D-Printed Microchannel Mold and Liquid Metal. , 2019, , .		3
20	Wide Range-Sensitive, Bending-Insensitive Pressure Detection and Application to Wearable Healthcare Device. , 2019, , .		2
21	Wearable, Ultrawide-Range, and Bending-Insensitive Pressure Sensor Based on Carbon Nanotube Network-Coated Porous Elastomer Sponges for Human Interface and Healthcare Devices. ACS Applied Materials & Interfaces, 2019, 11, 23639-23648.	8.0	155
22	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
23	Development of thin film based flexible pressure sensor and biomedical application to real-time pressure monitoring during radiofrequency ablation. , 2018, , .		0
24	High-Sensitivity and Low-Power Flexible Schottky Hydrogen Sensor Based on Silicon Nanomembrane. ACS Applied Materials & Interfaces, 2018, 10, 12870-12877.	8.0	38
25	Surface micro-structured, stretchable strain sensor towards biaxial sensitivity and performance enhancement. , 2017, , .		1
26	3D printing of multiaxial force sensors using carbon nanotube (CNT)/thermoplastic polyurethane (TPU) filaments. Sensors and Actuators A: Physical, 2017, 263, 493-500.	4.1	232