

# Hanchul Cho

## List of Publications by Year in descending order

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18  
papers

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citations

840776

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888059

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times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Sensitive and Flexible Capacitive Pressure Sensor Based on a Porous Three-Dimensional PDMS/Microsphere Composite. <i>Polymers</i> , 2020, 12, 1412.	4.5	59
2	Ultrahigh Power Output from Triboelectric Nanogenerator Based on Serrated Electrode via Spark Discharge. <i>Advanced Energy Materials</i> , 2020, 10, 2002312.	19.5	45
3	Irregular Microdome Structure-Based Sensitive Pressure Sensor Using Internal Popping of Microspheres. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	45
4	A SWCNT based aptasensor system for antibiotic oxytetracycline detection in water samples. <i>Analytical Methods</i> , 2019, 11, 2692-2699.	2.7	29
5	Wearable piezoresistive strain sensor based on graphene-coated three-dimensional micro-porous PDMS sponge. <i>Micro and Nano Systems Letters</i> , 2019, 7, .	3.7	28
6	Linearly Sensitive Pressure Sensor Based on a Porous Multistacked Composite Structure with Controlled Mechanical and Electrical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28975-28984.	8.0	27
7	Solution and Evaporation Hybrid Approach to Enhance the Stability and Pattern Resolution Characteristics of Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45064-45072.	8.0	22
8	High-Rate Nanoscale Offset Printing Process Using Directed Assembly and Transfer of Nanomaterials. <i>Advanced Materials</i> , 2015, 27, 1759-1766.	21.0	19
9	Three-dimensional skin-type triboelectric nanogenerator for detection of two-axis robotic-arm collision. <i>Nano Energy</i> , 2022, 97, 107225.	16.0	18
10	Effect of additives for higher removal rate in lithium niobate chemical mechanical planarization. <i>Applied Surface Science</i> , 2010, 256, 1683-1688.	6.1	11
11	Self-Restoring Capacitive Pressure Sensor Based on Three-Dimensional Porous Structure and Shape Memory Polymer. <i>Polymers</i> , 2021, 13, 824.	4.5	11
12	Tree-Wrapped Triboelectric Generator for Harvesting Wind Energy. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 239-244.	0.9	6
13	Enhancing the Triboelectric Nanogenerator Output by Micro Plasma Generation in a Micro-Cracked Surface Structure. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4262.	2.5	6
14	Flexible Pressure Sensors Based on Three-dimensional Structure for High Sensitivity. <i>Journal of Sensor Science and Technology</i> , 2022, 31, 145-150.	0.2	5
15	Effect of Native Oxide on Polycrystalline Silicon CMP. <i>Journal of the Korean Physical Society</i> , 2009, 54, 1077-1081.	0.7	4
16	Kinematic Prediction and Experimental Demonstration of Conditioning Process for Controlling the Profile Shape of a Chemical Mechanical Polishing Pad. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4358.	2.5	3
17	Material Removal Model for Lapping Process Based on Spiral Groove Density. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3950.	2.5	1
18	Development and Characterization of Double-Contact Triboelectric Nanogenerator with Improved Energy Harvesting Performance. <i>Journal of the Korean Society for Precision Engineering</i> , 2021, 38, 287-294.	0.2	1