

# Hanchul Cho

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8216799/publications.pdf>

Version: 2024-02-01

18  
papers

340  
citations

840776

11  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

358  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Irregular Microdome Structure-Based Sensitive Pressure Sensor Using Internal Popping of Microspheres. <i>Advanced Functional Materials</i> , 2022, 32, .   | 14.9 | 45        |
| 2  | Three-dimensional skin-type triboelectric nanogenerator for detection of two-axis robotic-arm collision. <i>Nano Energy</i> , 2022, 97, 107225.  | 16.0 | 18        |
| 3  | 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         |
| 4  | Self-Restoring Capacitive Pressure Sensor Based on Three-Dimensional Porous Structure and Shape Memory Polymer. <i>Polymers</i> , 2021, 13, 824.   | 4.5  | 11        |
| 5  | Material Removal Model for Lapping Process Based on Spiral Groove Density. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3950.   | 2.5  | 1         |
| 6  | 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         |
| 7  | 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         |
| 8  | 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         |
| 9  | 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        |
| 10 | Ultrahigh Power Output from Triboelectric Nanogenerator Based on Serrated Electrode via Spark Discharge. <i>Advanced Energy Materials</i> , 2020, 10, 2002312.   | 19.5 | 45        |
| 11 | Tree-Wrapped Triboelectric Generator for Harvesting Wind Energy. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 239-244.   | 0.9  | 6         |
| 12 | 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        |
| 13 | 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        |
| 14 | A SWCNT based aptasensor system for antibiotic oxytetracycline detection in water samples. <i>Analytical Methods</i> , 2019, 11, 2692-2699.  | 2.7  | 29        |
| 15 | 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        |
| 16 | High-Rate Nanoscale Offset Printing Process Using Directed Assembly and Transfer of Nanomaterials. <i>Advanced Materials</i> , 2015, 27, 1759-1766.  | 21.0 | 19        |
| 17 | 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        |
| 18 | Effect of Native Oxide on Polycrystalline Silicon CMP. <i>Journal of the Korean Physical Society</i> , 2009, 54, 1077-1081.  | 0.7  | 4         |