

# Wook Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

873  
citations

516710

16  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliable Output Performance of a Photovoltaic-Piezoelectric Hybridized Energy Harvester with an Automatic Position-Adjustable Bending Instrument. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 1077-1086.	4.9	2
2	Toward Enhanced Humidity Stability of Triboelectric Mechanical Sensors via Atomic Layer Deposition. <i>Nanomaterials</i> , 2021, 11, 1795.	4.1	6
3	Grain Boundary Healing of Organic-Inorganic Halide Perovskites for Moisture Stability. <i>Nano Letters</i> , 2019, 19, 6498-6505.	9.1	24
4	Double impact triboelectric nanogenerators for harvesting broadband vibrations from vehicles. <i>Functional Composites and Structures</i> , 2019, 1, 035003.	3.4	24
5	Triboelectric Nanogenerators: An Ultra-Mechanosensitive Visco-Poroelastic Polymer Ion Pump for Continuous Self-Powering Kinematic Triboelectric Nanogenerators ( <i>Adv. Energy Mater.</i> 17/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970059.	19.5	1
6	An Ultra-Mechanosensitive Visco-Poroelastic Polymer Ion Pump for Continuous Self-Powering Kinematic Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2019, 9, 1803786.	19.5	63
7	Surface modification of triboelectric materials by neutral beams. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25066-25077.	10.3	40
8	Mechanical energy conversion systems for triboelectric nanogenerators: Kinematic and vibrational designs. <i>Nano Energy</i> , 2019, 56, 307-321.	16.0	79
9	Solar Cells: Oriented Grains with Preferred Low-Angle Grain Boundaries in Halide Perovskite Films by Pressure-Induced Crystallization ( <i>Adv. Energy Mater.</i> 10/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870045.	19.5	6
10	Layer-by-layer assembled graphene multilayers on multidimensional surfaces for highly durable, scalable, and wearable triboelectric nanogenerators. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3108-3115.	10.3	51
11	Oriented Grains with Preferred Low-Angle Grain Boundaries in Halide Perovskite Films by Pressure-Induced Crystallization. <i>Advanced Energy Materials</i> , 2018, 8, 1702369.	19.5	74
12	Effects of Embedded TiO <sub>2</sub> Nanoparticles on Triboelectric Nanogenerator Performance. <i>Micromachines</i> , 2018, 9, 407.	2.9	43
13	Ultrasensitive, Low-Power Oxide Transistor-Based Mechanotransducer with Microstructured, Deformable Ionic Dielectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31472-31479.	8.0	34
14	A self-powered triboelectric microfluidic system for liquid sensing. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14069-14076.	10.3	45
15	Halide Perovskite Nanopillar Photodetector. <i>ACS Nano</i> , 2018, 12, 8564-8571.	14.6	70
16	Electron blocking layer-based interfacial design for highly-enhanced triboelectric nanogenerators. <i>Nano Energy</i> , 2018, 50, 9-15.	16.0	105
17	Cam-based sustainable triboelectric nanogenerators with a resolution-free 3D-printed system. <i>Nano Energy</i> , 2017, 38, 326-334.	16.0	50
18	Conformable superoleophobic surfaces with multi-scale structures on polymer substrates. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8272-8282.	10.3	22

#	ARTICLE	IF	CITATIONS
19	Omnidirectionally Stretchable and Transparent Graphene Electrodes. ACS Nano, 2016, 10, 9446-9455.	14.6	94
20	Kinematic design for high performance triboelectric nanogenerators with enhanced working frequency. Nano Energy, 2016, 21, 19-25.	16.0	40