

# 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

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all docs

20  
docs citations

20  
times ranked

1444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron blocking layer-based interfacial design for highly-enhanced triboelectric nanogenerators. Nano Energy, 2018, 50, 9-15.	16.0	105
2	Omnidirectionally Stretchable and Transparent Graphene Electrodes. ACS Nano, 2016, 10, 9446-9455.	14.6	94
3	Mechanical energy conversion systems for triboelectric nanogenerators: Kinematic and vibrational designs. Nano Energy, 2019, 56, 307-321.	16.0	79
4	Oriented Grains with Preferred Low-Angle Grain Boundaries in Halide Perovskite Films by Pressure-Induced Crystallization. Advanced Energy Materials, 2018, 8, 1702369.	19.5	74
5	Halide Perovskite Nanopillar Photodetector. ACS Nano, 2018, 12, 8564-8571.	14.6	70
6	An Ultra-Mechanosensitive Visco-Elasto-Poroelastic Polymer Ion Pump for Continuous Self-Powering Kinematic Triboelectric Nanogenerators. Advanced Energy Materials, 2019, 9, 1803786.	19.5	63
7	Layer-by-layer assembled graphene multilayers on multidimensional surfaces for highly durable, scalable, and wearable triboelectric nanogenerators. Journal of Materials Chemistry A, 2018, 6, 3108-3115.	10.3	51
8	Cam-based sustainable triboelectric nanogenerators with a resolution-free 3D-printed system. Nano Energy, 2017, 38, 326-334.	16.0	50
9	A self-powered triboelectric microfluidic system for liquid sensing. Journal of Materials Chemistry A, 2018, 6, 14069-14076.	10.3	45
10	Effects of Embedded TiO <sub>2</sub> Nanoparticles on Triboelectric Nanogenerator Performance. Micromachines, 2018, 9, 407.	2.9	43
11	Kinematic design for high performance triboelectric nanogenerators with enhanced working frequency. Nano Energy, 2016, 21, 19-25.	16.0	40
12	Surface modification of triboelectric materials by neutral beams. Journal of Materials Chemistry A, 2019, 7, 25066-25077.	10.3	40
13	Ultrasensitive, Low-Power Oxide Transistor-Based Mechanotransducer with Microstructured, Deformable Ionic Dielectrics. ACS Applied Materials & Interfaces, 2018, 10, 31472-31479.	8.0	34
14	Grain Boundary Healing of Organic-Inorganic Halide Perovskites for Moisture Stability. Nano Letters, 2019, 19, 6498-6505.	9.1	24
15	Double impact triboelectric nanogenerators for harvesting broadband vibrations from vehicles. Functional Composites and Structures, 2019, 1, 035003.	3.4	24
16	Conformable superoleophobic surfaces with multi-scale structures on polymer substrates. Journal of Materials Chemistry A, 2016, 4, 8272-8282.	10.3	22
17	Solar Cells: Oriented Grains with Preferred Low-Angle Grain Boundaries in Halide Perovskite Films by Pressure-Induced Crystallization (Adv. Energy Mater. 10/2018). Advanced Energy Materials, 2018, 8, 1870045.	19.5	6
18	Toward Enhanced Humidity Stability of Triboelectric Mechanical Sensors via Atomic Layer Deposition. Nanomaterials, 2021, 11, 1795.	4.1	6

#	ARTICLE	IF	CITATIONS
19	Reliable Output Performance of a Photovoltaic-Piezoelectric Hybridized Energy Harvester with an Automatic Position-Adjustable Bending Instrument. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 1077-1086.	4.9	2
20	Triboelectric Nanogenerators: An Ultra-Mechanosensitive Visco-Poroelastic Polymer Ion Pump for Continuous Self-Powering Kinematic Triboelectric Nanogenerators (Adv. Energy Mater. 17/2019). Advanced Energy Materials, 2019, 9, 1970059.	19.5	1