

Jeong Hwan Lee

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

623734

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#	ARTICLE	IF	CITATIONS
1	Micropatterned P(VDF-TrFE) Film-Based Piezoelectric Nanogenerators for Highly Sensitive Self-Powered Pressure Sensors. <i>Advanced Functional Materials</i> , 2015, 25, 3203-3209.	14.9	334
2	Boosting Power-Generating Performance of Triboelectric Nanogenerators via Artificial Control of Ferroelectric Polarization and Dielectric Properties. <i>Advanced Energy Materials</i> , 2017, 7, 1600988.	19.5	282
3	Shape memory polymer-based self-healing triboelectric nanogenerator. <i>Energy and Environmental Science</i> , 2015, 8, 3605-3613.	30.8	210
4	Triboelectrification-Induced Large Electric Power Generation from a Single Moving Droplet on Graphene/Polytetrafluoroethylene. <i>ACS Nano</i> , 2016, 10, 7297-7302.	14.6	183
5	Sustainable direct current powering a triboelectric nanogenerator via a novel asymmetrical design. <i>Energy and Environmental Science</i> , 2018, 11, 2057-2063.	30.8	153
6	High-Performance Piezoelectric, Pyroelectric, and Triboelectric Nanogenerators Based on P(VDF-TrFE) with Controlled Crystallinity and Dipole Alignment. <i>Advanced Functional Materials</i> , 2017, 27, 1700702.	14.9	149
7	High-Performance Triboelectric Nanogenerators Based on Solid Polymer Electrolytes with Asymmetric Pairing of Ions. <i>Advanced Energy Materials</i> , 2017, 7, 1700289.	19.5	129
8	Water droplet-driven triboelectric nanogenerator with superhydrophobic surfaces. <i>Nano Energy</i> , 2019, 58, 579-584.	16.0	118
9	Triboelectrification induced self-powered microbial disinfection using nanowire-enhanced localized electric field. <i>Nature Communications</i> , 2021, 12, 3693.	12.8	87
10	High Permittivity $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Particle-Induced Internal Polarization Amplification for High Performance Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2020, 10, 1903524.	19.5	85
11	Self-Powered Motion-Driven Triboelectric Electroluminescence Textile System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5200-5207.	8.0	72
12	High-performance triboelectric nanogenerators with artificially well-tailored interlocked interfaces. <i>Nano Energy</i> , 2016, 27, 595-601.	16.0	66
13	Self-boosted power generation of triboelectric nanogenerator with glass transition by friction heat. <i>Nano Energy</i> , 2020, 74, 104840.	16.0	24
14	Triboelectric Nanogenerators: High Permittivity $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Particle-Induced Internal Polarization Amplification for High Performance Triboelectric Nanogenerators (<i>Adv. Energy Mater.</i> 9/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070040.	19.5	19
15	Flexible and transparent $\text{TiO}_2/\text{Ag}/\text{ITO}$ multilayer electrodes on PET substrates for organic photonic devices. <i>Journal of Materials Research</i> , 2015, 30, 1593-1598.	2.6	11
16	Energy Harvesting: Micropatterned P(VDF-TrFE) Film-Based Piezoelectric Nanogenerators for Highly Sensitive Self-Powered Pressure Sensors (<i>Adv. Funct. Mater.</i> 21/2015). <i>Advanced Functional Materials</i> , 2015, 25, 3276-3276.	14.9	8
17	Formation of Flexible and Transparent Indium Gallium Zinc Oxide/Ag/Indium Gallium Zinc Oxide Multilayer Film. <i>Journal of Electronic Materials</i> , 2016, 45, 4265-4269.	2.2	8
18	Energy Harvesting: High-Performance Piezoelectric, Pyroelectric, and Triboelectric Nanogenerators Based on P(VDF-TrFE) with Controlled Crystallinity and Dipole Alignment (<i>Adv. Funct. Mater.</i> 22/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	1