

# Jong-Jin Park

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,067  
citations

567281

15  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flutter-driven triboelectrification for harvesting wind energy. <i>Nature Communications</i> , 2014, 5, 4929.	12.8	338
2	Paper-Based Bimodal Sensor for Electronic Skin Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26974-26982.	8.0	83
3	Effects of Substrate on Piezoelectricity of Electrospun Poly(vinylidene fluoride)-Nanofiber-Based Energy Generators. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3520-3527.	8.0	82
4	A Sensor Array Using Multi-functional Field-effect Transistors with Ultrahigh Sensitivity and Precision for Bio-monitoring. <i>Scientific Reports</i> , 2015, 5, 12705.	3.3	79
5	Wearable multimode sensors with amplified piezoelectricity due to the multi local strain using 3D textile structure for detecting human body signals. <i>Nano Energy</i> , 2020, 74, 104932.	16.0	64
6	BaTiO <sub>3</sub> @PVDF-TrFE nanocomposites with efficient orientation prepared via phase separation nano-coating method for piezoelectric performance improvement and application to 3D-PENG. <i>Chemical Engineering Journal</i> , 2022, 427, 131030.	12.7	55
7	Highly Bendable and Rotational Textile Structure with Prestrained Conductive Sewing Pattern for Human Joint Monitoring. <i>Advanced Functional Materials</i> , 2019, 29, 1808369.	14.9	47
8	Highly Enhanced Triboelectric Performance from Increased Dielectric Constant Induced by Ionic and Interfacial Polarization for Chitosan Based Multi-Modal Sensing System. <i>Advanced Functional Materials</i> , 2022, 32, 2109139.	14.9	33
9	Wearable Strain Sensors with Aligned Macro Carbon Cracks Using a Two-Dimensional Triaxial-Braided Fabric Structure for Monitoring Human Health. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22926-22934.	8.0	30
10	Dual Cross-Linked, Polymer Thermosets: Modular Design, Reversible Transformation, and Triggered Debonding. <i>Chemistry of Materials</i> , 2020, 32, 6384-6391.	6.7	27
11	Rotating Triboelectric Generator Using Sliding Contact and Noncontact from 1D Fiber Friction. <i>Nano Energy</i> , 2017, 33, 184-194.	16.0	26
12	Physical exfoliation of graphene and molybdenum disulfide sheets using conductive polyaniline: an efficient route for synthesizing unique, random-layered 3D ternary electrode materials. <i>New Journal of Chemistry</i> , 2018, 42, 17379-17388.	2.8	25
13	Fast chemical recycling of carbon fiber reinforced plastic at ambient pressure using an aqueous solvent accelerated by a surfactant. <i>Waste Management</i> , 2020, 118, 190-196.	7.4	25
14	Rotational wind power triboelectric nanogenerator using aerodynamic changes of friction area and the adsorption effect of hematoxylin onto feather based on a diversely evolved hyper-branched structure. <i>Nano Energy</i> , 2019, 61, 370-380.	16.0	24
15	Pattern Formation of Silver Nanoparticles in 1D, 2D, and 3D Microstructures Fabricated by a Photo- and Thermal Reduction Method. <i>Advanced Functional Materials</i> , 2010, 20, 2296-2302.	14.9	21
16	Facile Strategy for Modulating the Nanoporous Structure of Ultrathin $\beta$ -Conjugated Polymer Films for High-Performance Gas Sensors. <i>ACS Sensors</i> , 2022, 7, 175-185.	7.8	15
17	Optical Materials Forming Tightly Polymerized Voxels during Laser Direct Writing. <i>Advanced Engineering Materials</i> , 2018, 20, 1800320.	3.5	13
18	Vertically and Horizontally Drawing Formation of Graphite Pencil Electrodes on Paper by Frictional Sliding for a Disposable and Foldable Electronic Device. <i>ACS Omega</i> , 2021, 6, 1960-1970.	3.5	12

#	ARTICLE	IF	CITATIONS
19	Conductive network formation of carbon nanotubes in elastic polymer microfibers and its effect on the electrical conductance: Experiment and simulation. <i>Journal of Chemical Physics</i> , 2016, 144, 194903.	3.0	11
20	Wearable Strain Sensor Using Conductive Yarn Sewed on Clothing for Human Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2020, 20, 12628-12636.	4.7	11
21	Controllable Triboelectric Series Using Gradient Positive and Negative Charge Confinement Layer with Different Particle Sizes of Mesoporous Carbon Materials. <i>Small Methods</i> , 2022, 6, e2101545.	8.6	11
22	Surface-control enhanced crater-like electrode in a gelatin/polyvinyl alcohol/carbon composite for biodegradable multi-modal sensing systems with human-affinity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9145-9156.	10.3	7
23	Fabrication of Thermally Stable Silver–Organic Complex (TS–SOC) Based Conductible Filament Materials for 3D Printing. <i>Advanced Materials Technologies</i> , 2017, 2, 1700079.	5.8	5
24	Skinlike Disposable Tattoo on Elastic Rubber Adhesive with Silver Particles Penetrated Electrode for Multipurpose Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16932-16938.	8.0	5
25	Polyurea Microcapsules with Different Phase Change Material for Thermochromic Smart Displays. <i>Chemistry Letters</i> , 2019, 48, 1343-1346.	1.3	5
26	Effect of Electron Beam Irradiation on Gas-barrier Property of Biaxially Drawn Nylon/Montmorillonite Nanocomposite Films. <i>Macromolecular Research</i> , 2020, 28, 925-931.	2.4	5
27	Controllable Physical Synergized Triboelectricity, Shape Memory, Self-Healing, and Optical Sensing with Rollable Form Factor by Zn cluster. <i>Advanced Science</i> , 2022, 9, e2200441.	11.2	5
28	Patterned growth of zinc oxide nanorods using poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (alcohol)-N-methyl-4(4-formyl) layer. <i>Current Applied Physics</i> , 2015, 15, 356-362.	2.4	1
29	Fabrication of a Quasicrystal Electrode at a Low Processing Temperature via Electrohydrodynamic and Transfer Printing for use in Multifunctional Electronics. <i>Advanced Electronic Materials</i> , 2017, 3, 1600440.	5.1	1
30	Multifunctional Electronics: Fabrication of a Quasicrystal Electrode at a Low Processing Temperature via Electrohydrodynamic and Transfer Printing for use in Multifunctional Electronics ( <i>Adv. Electron. Mater.</i> 2/2017). <i>Advanced Electronic Materials</i> , 2017, 3, .	5.1	0
31	Controllable Triboelectric Series Using Gradient Positive and Negative Charge Confinement Layer with Different Particle Sizes of Mesoporous Carbon Materials ( <i>Small Methods</i> 5/2022). <i>Small Methods</i> , 2022, 6, .	8.6	0