

# Jonghwa Park

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	3,136 citations	21 h-index	33 g-index
33 ext. papers	3,914 ext. citations	13.1 avg, IF	5.42 L-index

#	Paper	IF	Citations
33	Flexible Pyroresistive Graphene Composites for Artificial Thermosensation Differentiating Materials and Solvent Types.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
32	Ultrasensitive Multimodal Tactile Sensors with Skin-Inspired Microstructures through Localized Ferroelectric Polarization.. <i>Advanced Science</i> , <b>2022</b> , e2105423	13.6	8
31	Frequency-selective acoustic and haptic smart skin for dual-mode dynamic/static human-machine interface.. <i>Science Advances</i> , <b>2022</b> , 8, eabj9220	14.3	5
30	Ultra-Stretchable yet Tough, Healable, and Biodegradable Triboelectric Devices with Microstructured and Ionically Crosslinked Biogel. <i>Nano Energy</i> , <b>2022</b> , 107438	17.1	2
29	Bioinspired Gradient Conductivity and Stiffness for Ultrasensitive Electronic Skins. <i>ACS Nano</i> , <b>2021</b> , 15, 1795-1804	16.7	38
28	Interfacial polarization-induced high-k polymer dielectric film for high-performance triboelectric devices. <i>Nano Energy</i> , <b>2021</b> , 82, 105697	17.1	10
27	A Fully Biodegradable Ferroelectric Skin Sensor from Edible Porcine Skin Gelatine. <i>Advanced Science</i> , <b>2021</b> , 8, 2005010	13.6	15
26	Users' Cognitive and Affective Response to the Risk to Privacy from a Smart Speaker. <i>International Journal of Human-Computer Interaction</i> , <b>2021</b> , 37, 759-771	3.6	1
25	MXene-enhanced $\beta$ -phase crystallization in ferroelectric porous composites for highly-sensitive dynamic force sensors. <i>Nano Energy</i> , <b>2021</b> , 89, 106409	17.1	13
24	Ferroelectric Multilayer Nanocomposites with Polarization and Stress Concentration Structures for Enhanced Triboelectric Performances. <i>ACS Nano</i> , <b>2020</b> , 14, 7101-7110	16.7	32
23	Transfer Printing of Electronic Functions on Arbitrary Complex Surfaces. <i>ACS Nano</i> , <b>2020</b> , 14, 12-20	16.7	19
22	Binary Spiky/Spherical Nanoparticle Films with Hierarchical Micro/Nanostructures for High-Performance Flexible Pressure Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 58403-58411	8.5	8
21	Mimicking Human and Biological Skins for Multifunctional Skin Electronics. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1904523	15.6	126
20	A Hierarchical Nanoparticle-in-Micropore Architecture for Enhanced Mechanosensitivity and Stretchability in Mechanochromic Electronic Skins. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808148	24	75
19	Tailoring force sensitivity and selectivity by microstructure engineering of multidirectional electronic skins. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 163-176	10.3	95
18	Flexible Ferroelectric Sensors with Ultrahigh Pressure Sensitivity and Linear Response over Exceptionally Broad Pressure Range. <i>ACS Nano</i> , <b>2018</b> , 12, 4045-4054	16.7	212
17	Transparent and conductive nanomembranes with orthogonal silver nanowire arrays for skin-attachable loudspeakers and microphones. <i>Science Advances</i> , <b>2018</b> , 4, eaas8772	14.3	98

16	Molecular structure engineering of dielectric fluorinated polymers for enhanced performances of triboelectric nanogenerators. <i>Nano Energy</i> , <b>2018</b> , 53, 37-45	17.1	29
15	Large-Area Cross-Aligned Silver Nanowire Electrodes for Flexible, Transparent, and Force-Sensitive Mechanochromic Touch Screens. <i>ACS Nano</i> , <b>2017</b> , 11, 4346-4357	16.7	213
14	A Triple-Mode Flexible E-Skin Sensor Interface for Multi-Purpose Wearable Applications. <i>Sensors</i> , <b>2017</b> , 18,	3.8	24
13	InGaAs Nanomembrane/Si van der Waals Heterojunction Photodiodes with Broadband and High Photoresponsivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26105-26111	9.5	23
12	Micro/nanostructured surfaces for self-powered and multifunctional electronic skins. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2999-3018	7.3	90
11	Directed self-assembly of rhombic carbon nanotube nanomesh films for transparent and stretchable electrodes. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2319-2325	7.1	33
10	Triboelectric generators and sensors for self-powered wearable electronics. <i>ACS Nano</i> , <b>2015</b> , 9, 3421-7	16.7	187
9	Bioinspired Interlocked and Hierarchical Design of ZnO Nanowire Arrays for Static and Dynamic Pressure-Sensitive Electronic Skins. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2841-2849	15.6	244
8	Fingertip skin-inspired microstructured ferroelectric skins discriminate static/dynamic pressure and temperature stimuli. <i>Science Advances</i> , <b>2015</b> , 1, e1500661	14.3	485
7	Particle-on-Film Gap Plasmons on Antireflective ZnO Nanocone Arrays for Molecular-Level Surface-Enhanced Raman Scattering Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26421-9	9.5	27
6	Electronic Skin: Bioinspired Interlocked and Hierarchical Design of ZnO Nanowire Arrays for Static and Dynamic Pressure-Sensitive Electronic Skins (Adv. Funct. Mater. 19/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2840-2840	15.6	4
5	Piezoresistive Tactile Sensor Discriminating Multidirectional Forces. <i>Sensors</i> , <b>2015</b> , 15, 25463-73	3.8	37
4	Tactile-direction-sensitive and stretchable electronic skins based on human-skin-inspired interlocked microstructures. <i>ACS Nano</i> , <b>2014</b> , 8, 12020-9	16.7	398
3	Giant tunneling piezoresistance of composite elastomers with interlocked microdome arrays for ultrasensitive and multimodal electronic skins. <i>ACS Nano</i> , <b>2014</b> , 8, 4689-97	16.7	561
2	Ultrasensitive Piezoresistive Pressure Sensors Based on Interlocked Micropillar Arrays. <i>BioNanoScience</i> , <b>2014</b> , 4, 349-355	3.4	21
1	Nanostructured Conductors for Flexible Electronics		395-412 1