

Jeong Sook Ha

List of Publications by Year in descending order

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62
papers

7,575
citations

57758

44
h-index

118850

62
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all docs

62
docs citations

62
times ranked

9779
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft, stretchable, fully implantable miniaturized optoelectronic systems for wireless optogenetics. <i>Nature Biotechnology</i> , 2015, 33, 1280-1286.	17.5	658
2	Highly Stretchable and Sensitive Strain Sensors Using Fragmentized Graphene Foam. <i>Advanced Functional Materials</i> , 2015, 25, 4228-4236.	14.9	560
3	Stretchable Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. <i>Advanced Materials</i> , 2016, 28, 930-935.	21.0	364
4	Stretchable Array of Highly Sensitive Pressure Sensors Consisting of Polyaniline Nanofibers and Au-Coated Polydimethylsiloxane Micropillars. <i>ACS Nano</i> , 2015, 9, 9974-9985.	14.6	361
5	Flexible Near-Field Wireless Optoelectronics as Subdermal Implants for Broad Applications in Optogenetics. <i>Neuron</i> , 2017, 93, 509-521.e3.	8.1	323
6	Skin-Attachable, Stretchable Electrochemical Sweat Sensor for Glucose and pH Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13729-13740.	8.0	314
7	Fabrication of a Stretchable Solid-State Micro-Supercapacitor Array. <i>ACS Nano</i> , 2013, 7, 7975-7982.	14.6	244
8	Flexible/Stretchable Supercapacitors with Novel Functionality for Wearable Electronics. <i>Advanced Materials</i> , 2020, 32, e2002180.	21.0	236
9	Curvilinear Electronics Formed Using Silicon Membrane Circuits and Elastomeric Transfer Elements. <i>Small</i> , 2009, 5, 2703-2709.	10.0	233
10	A skin-attachable, stretchable integrated system based on liquid GalSn for wireless human motion monitoring with multi-site sensing capabilities. <i>NPG Asia Materials</i> , 2017, 9, e443-e443.	7.9	223
11	Fully Biodegradable Microsupercapacitor for Power Storage in Transient Electronics. <i>Advanced Energy Materials</i> , 2017, 7, 1700157.	19.5	196
12	Microporous Polypyrrole-Coated Graphene Foam for High-Performance Multifunctional Sensors and Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707013.	14.9	195
13	Stretchable patterned graphene gas sensor driven by integrated micro-supercapacitor array. <i>Nano Energy</i> , 2016, 19, 401-414.	16.0	179
14	Origin of the slow photoresponse in an individual sol-gel synthesized ZnO nanowire. <i>Applied Physics Letters</i> , 2007, 90, 153106.	3.3	166
15	Fabrication of High-Sensitivity Skin-Attachable Temperature Sensors with Bioinspired Microstructured Adhesive. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7263-7270.	8.0	165
16	A skin-integrated transparent and stretchable strain sensor with interactive color-changing electrochromic displays. <i>Nanoscale</i> , 2017, 9, 7631-7640.	5.6	160
17	All-solid-state flexible micro-supercapacitor arrays with patterned graphene/MWNT electrodes. <i>Carbon</i> , 2014, 79, 156-164.	10.3	151
18	Stretchable array of high-performance micro-supercapacitors charged with solar cells for wireless powering of an integrated strain sensor. <i>Nano Energy</i> , 2018, 49, 644-654.	16.0	146

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19	Biaxially Stretchable, Integrated Array of High Performance Microsupercapacitors. ACS Nano, 2014, 8, 11639-11650.	14.6	143
20	Fabrication of a stretchable and patchable array of high performance micro-supercapacitors using a non-aqueous solvent based gel electrolyte. Energy and Environmental Science, 2015, 8, 1764-1774.	30.8	138
21	Body-Attachable and Stretchable Multisensors Integrated with Wirelessly Rechargeable Energy Storage Devices. Advanced Materials, 2016, 28, 748-756.	21.0	129
22	Dynamically Stretchable Supercapacitor for Powering an Integrated Biosensor in an All-in-One Textile System. ACS Nano, 2019, 13, 10469-10480.	14.6	116
23	A Patterned Graphene/ZnO UV Sensor Driven by Integrated Asymmetric Micro-Supercapacitors on a Liquid Metal Patterned Foldable Paper. Advanced Functional Materials, 2017, 27, 1700135.	14.9	114
24	Encapsulated, High-Performance, Stretchable Array of Stacked Planar Micro-Supercapacitors as Waterproof Wearable Energy Storage Devices. ACS Applied Materials & Interfaces, 2016, 8, 16016-16025.	8.0	112
25	Paper-Like, Thin, Foldable, and Self-Healable Electronics Based on PVA/CNC Nanocomposite Film. Advanced Functional Materials, 2019, 29, 1905968.	14.9	102
26	High-Density, Stretchable, All-Solid-State Microsupercapacitor Arrays. ACS Nano, 2014, 8, 8844-8855.	14.6	96
27	Micromechanics and Advanced Designs for Curved Photodetector Arrays in Hemispherical Electronic-Eye Cameras. Small, 2010, 6, 851-856.	10.0	94
28	Fully implantable, battery-free wireless optoelectronic devices for spinal optogenetics. Pain, 2017, 158, 2108-2116.	4.2	93
29	Polyurethane foam coated with a multi-walled carbon nanotube/polyaniline nanocomposite for a skin-like stretchable array of multi-functional sensors. NPG Asia Materials, 2017, 9, e448-e448.	7.9	90
30	Fabrication of high performance flexible micro-supercapacitor arrays with hybrid electrodes of MWNT/V ₂ O ₅ nanowires integrated with a SnO ₂ nanowire UV sensor. Nanoscale, 2014, 6, 12034-12041.	5.6	89
31	Design and Fabrication of Novel Stretchable Device Arrays on a Deformable Polymer Substrate with Embedded Liquid-Metal Interconnections. Advanced Materials, 2014, 26, 6580-6586.	21.0	88
32	Facile fabrication of a fully biodegradable and stretchable serpentine-shaped wire supercapacitor. Chemical Engineering Journal, 2019, 366, 62-71.	12.7	84
33	Air-Stable, High-Performance, Flexible Microsupercapacitor with Patterned Ionogel Electrolyte. ACS Applied Materials & Interfaces, 2015, 7, 4608-4615.	8.0	83
34	Stretchable Loudspeaker using Liquid Metal Microchannel. Scientific Reports, 2015, 5, 11695.	3.3	81
35	Skin-Like, Dynamically Stretchable, Planar Supercapacitors with Buckled Carbon Nanotube/Mn-Mo Mixed Oxide Electrodes and Air-Stable Organic Electrolyte. ACS Nano, 2019, 13, 855-866.	14.6	81
36	Fabrication of flexible micro-supercapacitor array with patterned graphene foam/MWNT-COOH/MnO electrodes and its application. Carbon, 2015, 81, 29-37.	10.3	79

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37	Stretchable, Skin-Attachable Electronics with Integrated Energy Storage Devices for Biosignal Monitoring. <i>Accounts of Chemical Research</i> , 2019, 52, 91-99.	15.6	78
38	Controlled Ordering of Block Copolymer Thin Films by the Addition of Hydrophilic Nanoparticles. <i>Macromolecules</i> , 2007, 40, 8119-8124.	4.8	73
39	Stretchable Field-Effect Transistor Array of Suspended SnO ₂ Nanowires. <i>Small</i> , 2011, 7, 1181-1185.	10.0	71
40	High-performance all-solid-state flexible micro-supercapacitor arrays with layer-by-layer assembled MWNT/MnO _x nanocomposite electrodes. <i>Nanoscale</i> , 2014, 6, 9655-9664.	5.6	71
41	High performance wire-type supercapacitor with Ppy/CNT-ionic liquid/AuNP/carbon fiber electrode and ionic liquid based electrolyte. <i>Carbon</i> , 2019, 144, 639-648.	10.3	57
42	Paraboloid electronic eye cameras using deformable arrays of photodetectors in hexagonal mesh layouts. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	52
43	Flexible, water-proof, wire-type supercapacitors integrated with wire-type UV/NO ₂ sensors on textiles. <i>Nano Energy</i> , 2017, 35, 199-206.	16.0	52
44	High performance flexible micro-supercapacitor for powering a vertically integrated skin-attachable strain sensor on a bio-inspired adhesive. <i>Nano Energy</i> , 2021, 83, 105837.	16.0	48
45	High Sensitivity, Skin-Attachable, and Stretchable Array of Thermo-Responsive Suspended Gate Field-Effect Transistors with Thermo-chromic Display. <i>Advanced Functional Materials</i> , 2019, 29, 1807679.	14.9	47
46	High performance flexible double-sided micro-supercapacitors with an organic gel electrolyte containing a redox-active additive. <i>Nanoscale</i> , 2016, 8, 15611-15620.	5.6	44
47	Low power stretchable active-matrix red, green, blue (RGB) electrochromic device array of poly(3-methylthiophene)/Prussian blue. <i>Applied Surface Science</i> , 2019, 471, 300-308.	6.1	44
48	SnO ₂ Nanowire Logic Devices on Deformable Nonplanar Substrates. <i>ACS Nano</i> , 2011, 5, 10009-10016.	14.6	31
49	A highly conductive and electromechanically self-healable gold nanosheet electrode for stretchable electronics. <i>Chemical Engineering Journal</i> , 2020, 384, 123336.	12.7	28
50	Stretchable, self-healable, and photodegradable supercapacitor based on a polyelectrolyte crosslinked via dynamic host-guest interaction. <i>Chemical Engineering Journal</i> , 2021, 422, 130121.	12.7	28
51	Stretchable array of CdSe/ZnS quantum-dot light emitting diodes for visual display of bio-signals. <i>Chemical Engineering Journal</i> , 2022, 427, 130858.	12.7	27
52	Highly sensitive pressure and temperature sensors fabricated with poly(3-hexylthiophene-2,5-diyl)-coated elastic carbon foam for bio-signal monitoring. <i>Chemical Engineering Journal</i> , 2021, 423, 130197.	12.7	24
53	A Flexible Loudspeaker Using the Movement of Liquid Metal Induced by Electrochemically Controlled Interfacial Tension. <i>Small</i> , 2019, 15, e1905263.	10.0	23
54	A stretchable array of high-performance electrochromic devices for displaying skin-attached multi-sensor signals. <i>Chemical Engineering Journal</i> , 2022, 429, 132289.	12.7	20

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55	Highly ordered nanoporous thin films by blending of PSt- <i>b</i> -PMMA block copolymers and PEO additives as structure directing agents. <i>Journal of Polymer Science Part A</i> , 2008, 46, 8041-8048.	2.3	13
56	Fabrication of patterned flexible graphene devices via facile direct transfer of as-grown bi-layer graphene. <i>Applied Surface Science</i> , 2015, 328, 235-240.	6.1	10
57	Experimental and modeling studies of imaging with curvilinear electronic eye cameras. <i>Optics Express</i> , 2010, 18, 27346.	3.4	9
58	Fabrication of Stretchable Single-Walled Carbon Nanotube Logic Devices. <i>Small</i> , 2014, 10, 2910-2917.	10.0	9
59	All vanadium-based Li-ion hybrid supercapacitor with enhanced electrochemical performance via prelithiation. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165288.	5.5	9
60	Degradation pattern of SnO ₂ nanowire field effect transistors. <i>Nanotechnology</i> , 2010, 21, 485201.	2.6	8
61	The effects of magnetic field on pulsed laser deposition of Mg-doped ZnO thin films. <i>Applied Surface Science</i> , 2012, 258, 8542-8547.	6.1	8
62	Current generation of vertically aligned ZnO nanowires by photo-induced deformation of a matrix polymer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7191.	5.5	5