

Heun Park

List of Publications by Year in descending order

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24
papers

3,389
citations

304701

22
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610883

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stretchable and Sensitive Strain Sensors Using Fragmentized Graphene Foam. <i>Advanced Functional Materials</i> , 2015, 25, 4228-4236.	14.9	560
2	Stretchable Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. <i>Advanced Materials</i> , 2016, 28, 930-935.	21.0	364
3	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
4	Skin-Attachable, Stretchable Electrochemical Sweat Sensor for Glucose and pH Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13729-13740.	8.0	314
5	Microporous Polypyrrole-Coated Graphene Foam for High-Performance Multifunctional Sensors and Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707013.	14.9	195
6	Stretchable patterned graphene gas sensor driven by integrated micro-supercapacitor array. <i>Nano Energy</i> , 2016, 19, 401-414.	16.0	179
7	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
8	A skin-integrated transparent and stretchable strain sensor with interactive color-changing electrochromic displays. <i>Nanoscale</i> , 2017, 9, 7631-7640.	5.6	160
9	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
10	Dynamically Stretchable Supercapacitor for Powering an Integrated Biosensor in an All-in-One Textile System. <i>ACS Nano</i> , 2019, 13, 10469-10480.	14.6	116
11	A Patterned Graphene/ZnO UV Sensor Driven by Integrated Asymmetric Micro-Supercapacitors on a Liquid Metal Patterned Foldable Paper. <i>Advanced Functional Materials</i> , 2017, 27, 1700135.	14.9	114
12	Paper-Like, Thin, Foldable, and Self-Healable Electronics Based on PVA/CNC Nanocomposite Film. <i>Advanced Functional Materials</i> , 2019, 29, 1905968.	14.9	102
13	Polyurethane foam coated with a multi-walled carbon nanotube/polyaniline nanocomposite for a skin-like stretchable array of multi-functional sensors. <i>NPG Asia Materials</i> , 2017, 9, e448-e448.	7.9	90
14	Stretchable Loudspeaker using Liquid Metal Microchannel. <i>Scientific Reports</i> , 2015, 5, 11695.	3.3	81
15	Skin-Like, Dynamically Stretchable, Planar Supercapacitors with Buckled Carbon Nanotube/Mn-Mo Mixed Oxide Electrodes and Air-Stable Organic Electrolyte. <i>ACS Nano</i> , 2019, 13, 855-866.	14.6	81
16	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
17	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
18	High-Sensitivity, Skin-Attachable, and Stretchable Array of Thermo-Responsive Suspended Gate Field-Effect Transistors with Thermochromic Display. <i>Advanced Functional Materials</i> , 2019, 29, 1807679.	14.9	47

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19	A Shape Memory High-Voltage Supercapacitor with Asymmetric Organic Electrolytes for Driving an Integrated NO ₂ Gas Sensor. <i>Advanced Functional Materials</i> , 2019, 29, 1901996.	14.9	44
20	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
21	Wire-Shaped Supercapacitors with Organic Electrolytes Fabricated via Layer-by-Layer Assembly. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26248-26257.	8.0	34
22	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
23	A Flexible Loudspeaker Using the Movement of Liquid Metal Induced by Electrochemically Controlled Interfacial Tension. <i>Small</i> , 2019, 15, e1905263.	10.0	23
24	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