

Heun 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.

24
papers

2,395
citations

21
h-index

24
g-index

24
ext. papers

2,927
ext. citations

13.4
avg, IF

5.01
L-index

#	Paper	IF	Citations
24	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	14.7	9
23	Dynamically Stretchable Supercapacitor for Powering an Integrated Biosensor in an All-in-One Textile System. <i>ACS Nano</i> , 2019 , 13, 10469-10480	16.7	66
22	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	15.6	27
21	Paper-Like, Thin, Foldable, and Self-Healable Electronics Based on PVA/CNC Nanocomposite Film. <i>Advanced Functional Materials</i> , 2019 , 29, 1905968	15.6	52
20	A Flexible Loudspeaker Using the Movement of Liquid Metal Induced by Electrochemically Controlled Interfacial Tension. <i>Small</i> , 2019 , 15, e1905263	11	12
19	Stretchable, Skin-Attachable Electronics with Integrated Energy Storage Devices for Biosignal Monitoring. <i>Accounts of Chemical Research</i> , 2019 , 52, 91-99	24.3	53
18	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	16.7	55
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	10.4	40
16	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	15.6	27
15	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	6.7	28
14	Skin-Attachable, Stretchable Electrochemical Sweat Sensor for Glucose and pH Detection. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13729-13740	9.5	205
13	Fabrication of High-Sensitivity Skin-Attachable Temperature Sensors with Bioinspired Microstructured Adhesive. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7263-7270	9.5	111
12	Microporous Polypyrrole-Coated Graphene Foam for High-Performance Multifunctional Sensors and Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1707013	15.6	141
11	Wire-Shaped Supercapacitors with Organic Electrolytes Fabricated via Layer-by-Layer Assembly. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26248-26257	9.5	25
10	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	17.1	102
9	A skin-integrated transparent and stretchable strain sensor with interactive color-changing electrochromic displays. <i>Nanoscale</i> , 2017 , 9, 7631-7640	7.7	113
8	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	15.6	85

7	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	10.3	62
6	Stretchable Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. <i>Advanced Materials</i> , 2016 , 28, 930-5	24	264
5	Stretchable patterned graphene gas sensor driven by integrated micro-supercapacitor array. <i>Nano Energy</i> , 2016 , 19, 401-414	17.1	137
4	Stretchable Loudspeaker using Liquid Metal Microchannel. <i>Scientific Reports</i> , 2015 , 5, 11695	4.9	59
3	Stretchable Array of Highly Sensitive Pressure Sensors Consisting of Polyaniline Nanofibers and Au-Coated Polydimethylsiloxane Micropillars. <i>ACS Nano</i> , 2015 , 9, 9974-85	16.7	272
2	Highly Stretchable and Sensitive Strain Sensors Using Fragmentized Graphene Foam. <i>Advanced Functional Materials</i> , 2015 , 25, 4228-4236	15.6	442
1	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	6.7	8