

# Heun Park

## List of Publications by Citations

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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 Stretchable and Sensitive Strain Sensors Using Fragmentized Graphene Foam. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4228-4236   | 15.6 | 442       |
| 23 | Stretchable Array of Highly Sensitive Pressure Sensors Consisting of Polyaniline Nanofibers and Au-Coated Polydimethylsiloxane Micropillars. <i>ACS Nano</i> , <b>2015</b> , 9, 9974-85                      | 16.7 | 272       |
| 22 | Stretchable Active Matrix Temperature Sensor Array of Polyaniline Nanofibers for Electronic Skin. <i>Advanced Materials</i> , <b>2016</b> , 28, 930-5  | 24   | 264       |
| 21 | Skin-Attachable, Stretchable Electrochemical Sweat Sensor for Glucose and pH Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13729-13740  | 9.5  | 205       |
| 20 | Microporous Polypyrrole-Coated Graphene Foam for High-Performance Multifunctional Sensors and Flexible Supercapacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707013                     | 15.6 | 141       |
| 19 | Stretchable patterned graphene gas sensor driven by integrated micro-supercapacitor array. <i>Nano Energy</i> , <b>2016</b> , 19, 401-414  | 17.1 | 137       |
| 18 | A skin-integrated transparent and stretchable strain sensor with interactive color-changing electrochromic displays. <i>Nanoscale</i> , <b>2017</b> , 9, 7631-7640   | 7.7  | 113       |
| 17 | Fabrication of High-Sensitivity Skin-Attachable Temperature Sensors with Bioinspired Microstructured Adhesive. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7263-7270                   | 9.5  | 111       |
| 16 | Stretchable array of high-performance micro-supercapacitors charged with solar cells for wireless powering of an integrated strain sensor. <i>Nano Energy</i> , <b>2018</b> , 49, 644-654                    | 17.1 | 102       |
| 15 | A Patterned Graphene/ZnO UV Sensor Driven by Integrated Asymmetric Micro-Supercapacitors on a Liquid Metal Patterned Foldable Paper. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700135        | 15.6 | 85        |
| 14 | Dynamically Stretchable Supercapacitor for Powering an Integrated Biosensor in an All-in-One Textile System. <i>ACS Nano</i> , <b>2019</b> , 13, 10469-10480   | 16.7 | 66        |
| 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> , <b>2017</b> , 9, e448-e448 | 10.3 | 62        |
| 12 | Stretchable Loudspeaker using Liquid Metal Microchannel. <i>Scientific Reports</i> , <b>2015</b> , 5, 11695  | 4.9  | 59        |
| 11 | Skin-Like, Dynamically Stretchable, Planar Supercapacitors with Buckled Carbon Nanotube/Mn-Mo Mixed Oxide Electrodes and Air-Stable Organic Electrolyte. <i>ACS Nano</i> , <b>2019</b> , 13, 855-866         | 16.7 | 55        |
| 10 | Stretchable, Skin-Attachable Electronics with Integrated Energy Storage Devices for Biosignal Monitoring. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 91-99                                     | 24.3 | 53        |
| 9  | Paper-Like, Thin, Foldable, and Self-Healable Electronics Based on PVA/CNC Nanocomposite Film. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905968  | 15.6 | 52        |
| 8  | High performance wire-type supercapacitor with Ppy/CNT-ionic liquid/AuNP/carbon fiber electrode and ionic liquid based electrolyte. <i>Carbon</i> , <b>2019</b> , 144, 639-648                               | 10.4 | 40        |

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| 7 | Low power stretchable active-matrix red, green, blue (RGB) electrochromic device array of poly(3-methylthiophene)/Prussian blue. <i>Applied Surface Science</i> , <b>2019</b> , 471, 300-308                            | 6.7  | 28 |
| 6 | A Shape Memory High-Voltage Supercapacitor with Asymmetric Organic Electrolytes for Driving an Integrated NO <sub>2</sub> Gas Sensor. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901996                  | 15.6 | 27 |
| 5 | High-Sensitivity, Skin-Attachable, and Stretchable Array of Thermo-Responsive Suspended Gate Field-Effect Transistors with Thermochromic Display. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807679      | 15.6 | 27 |
| 4 | Wire-Shaped Supercapacitors with Organic Electrolytes Fabricated via Layer-by-Layer Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26248-26257   | 9.5  | 25 |
| 3 | A Flexible Loudspeaker Using the Movement of Liquid Metal Induced by Electrochemically Controlled Interfacial Tension. <i>Small</i> , <b>2019</b> , 15, e1905263  | 11   | 12 |
| 2 | 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> , <b>2021</b> , 423, 130197 | 14.7 | 9  |
| 1 | Fabrication of patterned flexible graphene devices via facile direct transfer of as-grown bi-layer graphene. <i>Applied Surface Science</i> , <b>2015</b> , 328, 235-240  | 6.7  | 8  |