

# Ha Uk Chung

## 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.

23  
papers

3,052  
citations

16  
h-index

23  
g-index

23  
ext. papers

3,827  
ext. citations

18.3  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
23	Materials science. Assembly of micro/nanomaterials into complex, three-dimensional architectures by compressive buckling. <i>Science</i> , <b>2015</b> , 347, 154-9	33.3	587
22	Soft, stretchable, fully implantable miniaturized optoelectronic systems for wireless optogenetics. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 1280-1286	44.5	510
21	Binodal, wireless epidermal electronic systems with in-sensor analytics for neonatal intensive care. <i>Science</i> , <b>2019</b> , 363,	33.3	316
20	Soft network composite materials with deterministic and bio-inspired designs. <i>Nature Communications</i> , <b>2015</b> , 6, 6566	17.4	289
19	Rugged and breathable forms of stretchable electronics with adherent composite substrates for transcutaneous monitoring. <i>Nature Communications</i> , <b>2014</b> , 5, 4779	17.4	245
18	Self-assembled three dimensional network designs for soft electronics. <i>Nature Communications</i> , <b>2017</b> , 8, 15894	17.4	238
17	Battery-free, wireless sensors for full-body pressure and temperature mapping. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	176
16	Skin-interfaced biosensors for advanced wireless physiological monitoring in neonatal and pediatric intensive-care units. <i>Nature Medicine</i> , <b>2020</b> , 26, 418-429	50.5	134
15	Mechano-acoustic sensing of physiological processes and body motions via a soft wireless device placed at the suprasternal notch. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 148-158	19	109
14	Relation between blood pressure and pulse wave velocity for human arteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 11144-11149	11.5	109
13	Water-soluble thin film transistors and circuits based on amorphous indium-gallium-zinc oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8268-74	9.5	98
12	Soft Elastomers with Ionic Liquid-Filled Cavities as Strain Isolating Substrates for Wearable Electronics. <i>Small</i> , <b>2017</b> , 13, 1602954	11	67
11	Wireless sensors for continuous, multimodal measurements at the skin interface with lower limb prostheses. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	39
10	Microwave purification of large-area horizontally aligned arrays of single-walled carbon nanotubes. <i>Nature Communications</i> , <b>2014</b> , 5, 5332	17.4	37
9	Battery-free, wireless soft sensors for continuous multi-site measurements of pressure and temperature from patients at risk for pressure injuries. <i>Nature Communications</i> , <b>2021</b> , 12, 5008	17.4	21
8	Reliable, low-cost, fully integrated hydration sensors for monitoring and diagnosis of inflammatory skin diseases in any environment. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	18
7	Differential cardiopulmonary monitoring system for artifact-canceled physiological tracking of athletes, workers, and COVID-19 patients. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	11

6	A skin-conformable wireless sensor to objectively quantify symptoms of pruritus. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	10
5	Skin-interfaced soft microfluidic systems with modular and reusable electronics for capacitive sensing of sweat loss, rate and conductivity. <i>Lab on A Chip</i> , <b>2020</b> , 20, 4391-4403	7.2	9
4	Fundamental effects in nanoscale thermocapillary flow. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 054315	2.5	8
3	Comprehensive pregnancy monitoring with a network of wireless, soft, and flexible sensors in high- and low-resource health settings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
2	Wireless, Skin-Interfaced Devices for Pediatric Critical Care: Application to Continuous, Noninvasive Blood Pressure Monitoring. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100383	10.1	8
1	Skin-Integrated Devices with Soft, Holey Architectures for Wireless Physiological Monitoring, With Applications in the Neonatal Intensive Care Unit. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103974	24	5