

# Seung Hee Jeong

## List of Publications by Citations

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18  
papers

1,010  
citations

13  
h-index

20  
g-index

20  
ext. papers

1,197  
ext. citations

7.6  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
18	PDMS-Based Elastomer Tuned Soft, Stretchable, and Sticky for Epidermal Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 5830-6	24	196
17	Liquid alloy printing of microfluidic stretchable electronics. <i>Lab on A Chip</i> , <b>2012</b> , 12, 4657-64	7.2	170
16	Ultrastretchable Strain Sensors Using Carbon Black-Filled Elastomer Composites and Comparison of Capacitive Versus Resistive Sensors. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700284	6.8	139
15	Tape transfer atomization patterning of liquid alloys for microfluidic stretchable wireless power transfer. <i>Scientific Reports</i> , <b>2015</b> , 5, 8419	4.9	105
14	Mechanically Stretchable and Electrically Insulating Thermal Elastomer Composite by Liquid Alloy Droplet Embedment. <i>Scientific Reports</i> , <b>2015</b> , 5, 18257	4.9	84
13	Tape transfer printing of a liquid metal alloy for stretchable RF electronics. <i>Sensors</i> , <b>2014</b> , 14, 16311-21	3.8	52
12	Stretchable Thermoelectric Generators Metallized with Liquid Alloy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15791-15797	9.5	50
11	Magnetic Continuum Device with Variable Stiffness for Minimally Invasive Surgery. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 1900086	6	46
10	Understanding interfacial charge transfer between metallic PEDOT counter electrodes and a cobalt redox shuttle in dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2074-9	9.5	40
9	Graphene as a Diffusion Barrier in Galinstan-Solid Metal Contacts. <i>IEEE Transactions on Electron Devices</i> , <b>2014</b> , 61, 2996-3000	2.9	29
8	Microfluidic Stretchable Radio-Frequency Devices. <i>Proceedings of the IEEE</i> , <b>2015</b> , 103, 1211-1225	14.3	23
7	Seamless modulus gradient structures for highly resilient, stretchable system integration. <i>Materials Today Physics</i> , <b>2018</b> , 4, 28-35	8	19
6	Phase Changing Materials-Based Variable-Stiffness Tensegrity Structures. <i>Soft Robotics</i> , <b>2020</b> , 7, 362-369	9.2	18
5	High-Resolution Liquid Alloy Patterning for Small Stretchable Strain Sensor Arrays. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700330	6.8	12
4	Bio-inspired untethered fully soft robots in liquid actuated by induced energy gradients. <i>National Science Review</i> , <b>2019</b> , 6, 970-981	10.8	8
3	Investigation of thermal conductivity for liquid metal composites using the micromechanics-based mean-field homogenization theory. <i>Soft Matter</i> , <b>2020</b> , 16, 5840-5847	3.6	6
2	Head-compliant microstrip split ring resonator for non-invasive healing monitoring after craniostynosis-based surgery. <i>Healthcare Technology Letters</i> , <b>2020</b> , 7, 29-34	1.9	2

1 Stretchable wireless power transfer with a liquid alloy coil **2015**,

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