Yeongjun Lee

List of Publications by Year in descending order

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38 papers	5,101 citations	201674 27 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	5930 citing authors

#	Article	IF	Citations
1	Stretchable PPG sensor with light polarization for physical activityâ€“permissible monitoring. Science Advances, 2022, 8, eabm3622.	10.3	31
2	Organic Artificial Nerve Electronics. , 2022, , 413-452.		0
3	Neuromorphic Skin Based on Emerging Artificial Synapses. Advanced Materials Technologies, 2022, 7, .	5.8	11
4	Organic electronic synapses with low energy consumption. Joule, 2021, 5, 794-810.	24.0	79
5	Supraâ€Binary Polarization in a Ferroelectric Nanowire. Advanced Materials, 2021, 33, e2101981.	21.0	4
6	Standalone real-time health monitoring patch based on a stretchable organic optoelectronic system. Science Advances, 2021, 7, .	10.3	144
7	Flexible Neuromorphic Electronics for Computing, Soft Robotics, and Neuroprosthetics. Advanced Materials, 2020, 32, e1903558.	21.0	289
8	Transparent Flexible Nanoline Field-Effect Transistor Array with High Integration in a Large Area. ACS Nano, 2020, 14, 907-918.	14.6	33
9	Water Passivation of Perovskite Nanocrystals Enables Airâ€Stable Intrinsically Stretchable Colorâ€Conversion Layers for Stretchable Displays. Advanced Materials, 2020, 32, e2001989.	21.0	51
10	Achieving Microstructureâ€Controlled Synaptic Plasticity and Longâ€Term Retention in Ionâ€Gelâ€Gated Organic Synaptic Transistors. Advanced Intelligent Systems, 2020, 2, 2000012.	6.1	51
11	Photonic Synapses: Retinaâ€Inspired Carbon Nitrideâ€Based Photonic Synapses for Selective Detection of UV Light (Adv. Mater. 11/2020). Advanced Materials, 2020, 32, 2070080.	21.0	16
12	Retinaâ€Inspired Carbon Nitrideâ€Based Photonic Synapses for Selective Detection of UV Light. Advanced Materials, 2020, 32, e1906899.	21.0	222
13	Stretchable self-healable semiconducting polymer film for active-matrix strain-sensing array. Science Advances, 2019, 5, eaav3097.	10.3	179
14	Versatile neuromorphic electronics by modulating synaptic decay of single organic synaptic transistor: From artificial neural networks to neuro-prosthetics. Nano Energy, 2019, 65, 104035.	16.0	115
15	Organic Synapses for Neuromorphic Electronics: From Brain-Inspired Computing to Sensorimotor Nervetronics. Accounts of Chemical Research, 2019, 52, 964-974.	15.6	213
16	Dimensionality Dependent Plasticity in Halide Perovskite Artificial Synapses for Neuromorphic Computing. Advanced Electronic Materials, 2019, 5, 1900008.	5.1	109
17	Ideal conducting polymer anode for perovskite light-emitting diodes by molecular interaction decoupling. Nano Energy, 2019, 60, 324-331.	16.0	28
18	Direct-printed nanoscale metal-oxide-wire electronics. Nano Energy, 2019, 58, 437-446.	16.0	36

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19	Tough and Waterâ€Insensitive Selfâ€Healing Elastomer for Robust Electronic Skin. Advanced Materials, 2018, 30, e1706846.	21.0	798
20	Deformable Organic Nanowire Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, 1704401.	21.0	82
21	One-dimensional conjugated polymer nanomaterials for flexible and stretchable electronics. Journal of Materials Chemistry C, 2018, 6, 3538-3550.	5.5	42
22	3D Printed Ion-Selective Field Effect Transistors. , 2018, , .		0
23	Stretchable organic optoelectronic sensorimotor synapse. Science Advances, 2018, 4, eaat7387.	10.3	359
24	A bioinspired flexible organic artificial afferent nerve. Science, 2018, 360, 998-1003.	12.6	982
25	An integrated self-healable electronic skin system fabricated via dynamic reconstruction of a nanostructured conducting network. Nature Nanotechnology, 2018, 13, 1057-1065.	31.5	736
26	Largeâ€Scale Highly Aligned Nanowire Printing. Macromolecular Materials and Engineering, 2017, 302, 1600507.	3.6	22
27	Room-Temperature-Processable Wire-Templated Nanoelectrodes for Flexible and Transparent All-Wire Electronics. ACS Nano, 2017, 11, 3681-3689.	14.6	52
28	Large-scale metal nanoelectrode arrays based on printed nanowire lithography for nanowire complementary inverters. Nanoscale, 2017, 9, 15766-15772.	5.6	13
29	Simple, Inexpensive, and Rapid Approach to Fabricate Crossâ€Shaped Memristors Using an Inorganicâ€Nanowireâ€Digitalâ€Alignment Technique and a Oneâ€Step Reduction Process. Advanced Materials, 2016, 28, 527-532.	21.0	35
30	Nanowires: Simple, Inexpensive, and Rapid Approach to Fabricate Crossâ€Shaped Memristors Using an Inorganicâ€Nanowireâ€Digitalâ€Alignment Technique and a Oneâ€Step Reduction Process (Adv. Mater. 3/2016). Advanced Materials, 2016, 28, 591-591.	21.0	0
31	Versatile Metal Nanowiring Platform for Largeâ€Scale Nanoâ€and Optoâ€Electronic Devices. Advanced Materials, 2016, 28, 9109-9116.	21.0	69
32	Optoâ€Electronic Devices: Versatile Metal Nanowiring Platform for Largeâ€Scale Nanoâ€and Optoâ€Electronic Devices (Adv. Mater. 41/2016). Advanced Materials, 2016, 28, 9232-9232.	21.0	2
33	Onâ€Fabrication Solidâ€State Nâ€Doping of Graphene by an Electronâ€Transporting Metal Oxide Layer for Efficient Inverted Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600172.	19.5	46
34	Flexible transparent electrodes for organic light-emitting diodes. Journal of Information Display, 2015, 16, 71-84.	4.0	43
35	Organic Nanowire Fabrication and Device Applications. Small, 2015, 11, 45-62.	10.0	97
36	Copper Nanowires: Individually Position-Addressable Metal-Nanofiber Electrodes for Large-Area Electronics (Adv. Mater. 47/2014). Advanced Materials, 2014, 26, 8067-8067.	21.0	0

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37	Individually Positionâ€Addressable Metalâ€Nanofiber Electrodes for Largeâ€Area Electronics. Advanced Materials, 2014, 26, 8010-8016.	21.0	53
38	Rapid Fabrication of Designable Largeâ€Scale Aligned Graphene Nanoribbons by Electroâ€hydrodynamic Nanowire Lithography. Advanced Materials, 2014, 26, 3459-3464.	21.0	59