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	A bioinspired flexible organic artificial afferent nerve. Science, 2018, 360, 998-1003.	12.6	982
2	Tough and Waterâ€Insensitive Selfâ€Healing Elastomer for Robust Electronic Skin. Advanced Materials, 2018, 30, e1706846.	21.0	798
3	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
4	Stretchable organic optoelectronic sensorimotor synapse. Science Advances, 2018, 4, eaat7387.	10.3	359
5	Flexible Neuromorphic Electronics for Computing, Soft Robotics, and Neuroprosthetics. Advanced Materials, 2020, 32, e1903558.	21.0	289
6	Retinaâ€Inspired Carbon Nitrideâ€Based Photonic Synapses for Selective Detection of UV Light. Advanced Materials, 2020, 32, e1906899.	21.0	222
7	Organic Synapses for Neuromorphic Electronics: From Brain-Inspired Computing to Sensorimotor Nervetronics. Accounts of Chemical Research, 2019, 52, 964-974.	15.6	213
8	Stretchable self-healable semiconducting polymer film for active-matrix strain-sensing array. Science Advances, 2019, 5, eaav3097.	10.3	179
9	Standalone real-time health monitoring patch based on a stretchable organic optoelectronic system. Science Advances, 2021, 7, .	10.3	144
10	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
11	Dimensionality Dependent Plasticity in Halide Perovskite Artificial Synapses for Neuromorphic Computing. Advanced Electronic Materials, 2019, 5, 1900008.	5.1	109
12	Organic Nanowire Fabrication and Device Applications. Small, 2015, 11, 45-62.	10.0	97
13	Deformable Organic Nanowire Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, 1704401.	21.0	82
14	Organic electronic synapses with low energy consumption. Joule, 2021, 5, 794-810.	24.0	79
15	Versatile Metal Nanowiring Platform for Largeâ€Scale Nanoâ€and Optoâ€Electronic Devices. Advanced Materials, 2016, 28, 9109-9116.	21.0	69
16	Rapid Fabrication of Designable Largeâ€Scale Aligned Graphene Nanoribbons by Electroâ€hydrodynamic Nanowire Lithography. Advanced Materials, 2014, 26, 3459-3464.	21.0	59
17	Individually Positionâ€Addressable Metalâ€Nanofiber Electrodes for Largeâ€Area Electronics. Advanced Materials, 2014, 26, 8010-8016.	21.0	53
18	Room-Temperature-Processable Wire-Templated Nanoelectrodes for Flexible and Transparent All-Wire Electronics. ACS Nano, 2017, 11, 3681-3689.	14.6	52

#	Article	IF	Citations
19	Water Passivation of Perovskite Nanocrystals Enables Airâ€Stable Intrinsically Stretchable Colorâ€Conversion Layers for Stretchable Displays. Advanced Materials, 2020, 32, e2001989.	21.0	51
20	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
21	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
22	Flexible transparent electrodes for organic light-emitting diodes. Journal of Information Display, 2015, 16, 71-84.	4.0	43
23	One-dimensional conjugated polymer nanomaterials for flexible and stretchable electronics. Journal of Materials Chemistry C, 2018, 6, 3538-3550.	5.5	42
24	Direct-printed nanoscale metal-oxide-wire electronics. Nano Energy, 2019, 58, 437-446.	16.0	36
25	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
26	Transparent Flexible Nanoline Field-Effect Transistor Array with High Integration in a Large Area. ACS Nano, 2020, 14, 907-918.	14.6	33
27	Stretchable PPG sensor with light polarization for physical activityâ€“permissible monitoring. Science Advances, 2022, 8, eabm3622.	10.3	31
28	Ideal conducting polymer anode for perovskite light-emitting diodes by molecular interaction decoupling. Nano Energy, 2019, 60, 324-331.	16.0	28
29	Largeâ€Scale Highly Aligned Nanowire Printing. Macromolecular Materials and Engineering, 2017, 302, 1600507.	3.6	22
30	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
31	Large-scale metal nanoelectrode arrays based on printed nanowire lithography for nanowire complementary inverters. Nanoscale, 2017, 9, 15766-15772.	5.6	13
32	Neuromorphic Skin Based on Emerging Artificial Synapses. Advanced Materials Technologies, 2022, 7, .	5.8	11
33	Supraâ€Binary Polarization in a Ferroelectric Nanowire. Advanced Materials, 2021, 33, e2101981.	21.0	4
34	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
35	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
36	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

#	Article	IF	Citations
37	3D Printed Ion-Selective Field Effect Transistors. , 2018, , .		0
38	Organic Artificial Nerve Electronics. , 2022, , 413-452.		0