

# Yishu Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

820  
citations

840776

11  
h-index

1199594

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times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spike-Based Spatiotemporal Processing Enabled by Oscillation Neuron for Energy-Efficient Artificial Sensory Systems. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	9
2	Analog and Digital Mode $\text{In}_2\text{Se}_3$ Memristive Devices for Neuromorphic and Memory Applications. <i>Advanced Electronic Materials</i> , 2021, 7, 2100609.	5.1	28
3	Exploring Low Power and Ultrafast Memristor on p-Type van der Waals SnS. <i>Nano Letters</i> , 2021, 21, 8800-8807.	9.1	57
4	Ultralow switching voltage slope based on two-dimensional materials for integrated memory and neuromorphic applications. <i>Nano Energy</i> , 2020, 69, 104472.	16.0	50
5	Exploring Ferroelectric Switching in $\text{In}_2\text{Se}_3$ for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2020, 30, 2004609.	14.9	119
6	In-Plane Ferroelectric Tin Monosulfide and Its Application in a Ferroelectric Analog Synaptic Device. <i>ACS Nano</i> , 2020, 14, 7628-7638.	14.6	106
7	Self-selective van der Waals heterostructures for large scale memory array. <i>Nature Communications</i> , 2019, 10, 3161.	12.8	139
8	Super Nonlinear Electrodeposition—Diffusion-Controlled Thin-Film Selector. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10165-10172.	8.0	24
9	Synaptic Computation Enabled by Joule Heating of Single-Layered Semiconductors for Sound Localization. <i>Nano Letters</i> , 2018, 18, 3229-3234.	9.1	134
10	Emulating dynamic synaptic plasticity over broad timescales with memristive device. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	21
11	Highly Compact Artificial Memristive Neuron with Low Energy Consumption. <i>Small</i> , 2018, 14, e1802188.	10.0	89
12	Computing: Memristive Devices with Highly Repeatable Analog States Boosted by Graphene Quantum Dots ( <i>Small</i> 20/2017). <i>Small</i> , 2017, 13, .	10.0	0
13	Memristive Devices with Highly Repeatable Analog States Boosted by Graphene Quantum Dots. <i>Small</i> , 2017, 13, 1603435.	10.0	44