

Yishu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12027939/publications.pdf>

Version: 2024-02-01

13
papers

820
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-selective van der Waals heterostructures for large scale memory array. Nature Communications, 2019, 10, 3161.	12.8	139
2	Synaptic Computation Enabled by Joule Heating of Single-Layered Semiconductors for Sound Localization. Nano Letters, 2018, 18, 3229-3234.	9.1	134
3	Exploring Ferroelectric Switching in In_2Se_3 for Neuromorphic Computing. Advanced Functional Materials, 2020, 30, 2004609.	14.9	119
4	In-Plane Ferroelectric Tin Monosulfide and Its Application in a Ferroelectric Analog Synaptic Device. ACS Nano, 2020, 14, 7628-7638.	14.6	106
5	Highly Compact Artificial Memristive Neuron with Low Energy Consumption. Small, 2018, 14, e1802188.	10.0	89
6	Exploring Low Power and Ultrafast Memristor on p-Type van der Waals SnS. Nano Letters, 2021, 21, 8800-8807.	9.1	57
7	Ultralow switching voltage slope based on two-dimensional materials for integrated memory and neuromorphic applications. Nano Energy, 2020, 69, 104472.	16.0	50
8	Memristive Devices with Highly Repeatable Analog States Boosted by Graphene Quantum Dots. Small, 2017, 13, 1603435.	10.0	44
9	Analog and Digital Mode In_2Se_3 Memristive Devices for Neuromorphic and Memory Applications. Advanced Electronic Materials, 2021, 7, 2100609.	5.1	28
10	Super Nonlinear Electrodepositionâ€“Diffusion-Controlled Thin-Film Selector. ACS Applied Materials & Interfaces, 2018, 10, 10165-10172.	8.0	24
11	Emulating dynamic synaptic plasticity over broad timescales with memristive device. Applied Physics Letters, 2018, 113, .	3.3	21
12	Spikeâ€“Based Spatiotemporal Processing Enabled by Oscillation Neuron for Energyâ€“Efficient Artificial Sensory Systems. Advanced Intelligent Systems, 2022, 4, .	6.1	9
13	Computing: Memristive Devices with Highly Repeatable Analog States Boosted by Graphene Quantum Dots (Small 20/2017). Small, 2017, 13, .	10.0	0