

# Jongkil Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3018893/publications.pdf>

Version: 2024-02-01

18  
papers

433  
citations

1040056

9  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Address Event Routing for Reconfigurable Large-Scale Neuromorphic Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2408-2422.	11.3	88
2	A 65k-neuron 73-Mevents/s 22-pJ/event asynchronous micro-pipelined integrate-and-fire array transceiver. , 2014, , .		63
3	Exploring dopant effects in stannic oxide nanoparticles for CO2 electro-reduction to formate. Nature Communications, 2022, 13, 2205.	12.8	61
4	Energy Recycling Telemetry IC With Simultaneous 11.5 mW Power and 6.78 Mb/s Backward Data Delivery Over a Single 13.56 MHz Inductive Link. IEEE Journal of Solid-State Circuits, 2016, 51, 2664-2678.	5.4	52
5	A 128-Channel FPGA-Based Real-Time Spike-Sorting Bidirectional Closed-Loop Neural Interface System. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2227-2238.	4.9	38
6	A 2D material-based floating gate device with linear synaptic weight update. Nanoscale, 2020, 12, 24503-24509.	5.6	34
7	Presynaptic Spike-Driven Spike Timing-Dependent Plasticity With Address Event Representation for Large-Scale Neuromorphic Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1936-1947.	5.4	18
8	Reconfigurable Spike Routing Architectures for On-Chip Local Learning in Neuromorphic Systems. Advanced Materials Technologies, 2019, 4, 1800345.	5.8	16
9	Enhanced analog synaptic behavior of SiNx/a-Si bilayer memristors through Ge implantation. NPG Asia Materials, 2020, 12, .	7.9	16
10	Design of mid-infrared filter array based on plasmonic metal nanodiscs array and its application to on-chip spectrometer. Scientific Reports, 2021, 11, 12218.	3.3	12
11	Three-Terminal Ovonic Threshold Switch (3T-OTS) with Tunable Threshold Voltage for Versatile Artificial Sensory Neurons. Nano Letters, 2022, 22, 733-739.	9.1	10
12	Fluoropolymer-Based Flexible Neural Prosthetic Electrodes for Reliable Neural Interfacing. ACS Applied Materials & Interfaces, 2017, 9, 43420-43428.	8.0	8
13	Emulating the short-term plasticity of a biological synapse with a ruthenium complex-based organic mixed ionic-electronic conductor. Materials Advances, 2022, 3, 2827-2837.	5.4	6
14	A Comparison Study on Multilayered Barrier Oxide Structure in Charge Trap Flash for Synaptic Operation. Crystals, 2021, 11, 70.	2.2	5
15	Bottom-Up Evolution of Diamond-Graphite Hybrid Two-Dimensional Nanostructure: Underlying Picture and Electrochemical Activity. Small, 2022, 18, 2105087.	10.0	4
16	Novel nano-plasmonic sensing platform based on vertical conductive bridge. Scientific Reports, 2021, 11, 3184.	3.3	1
17	SPICE Study of STDP Characteristics in a Drift and Diffusive Memristor-Based Synapse for Neuromorphic Computing. IEEE Access, 2022, 10, 6381-6392.	4.2	1
18	Event-based delay-controlled stimulator controller with priority queue for real-time closed-loop neural interface system. , 2017, , .		0