

Seung Hwan Lee

List of Publications by Year in descending order

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17
papers

1,708
citations

932766

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1199166

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docs citations

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times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Memristors Based on (Zr, Hf, Nb, Ta, Mo, W) High-Entropy Oxides. <i>Advanced Electronic Materials</i> , 2021, 7, 2001258.	2.6	22
2	A Fully Integrated Reprogrammable CMOS-RRAM Compute-in-Memory Coprocessor for Neuromorphic Applications. <i>IEEE Journal on Exploratory Solid-State Computational Devices and Circuits</i> , 2020, 6, 36-44.	1.1	20
3	Quantitative, Dynamic TaO _x Memristor/Resistive Random Access Memory Model. <i>ACS Applied Electronic Materials</i> , 2020, 2, 701-709.	2.0	38
4	Nanoscale resistive switching devices for memory and computing applications. <i>Nano Research</i> , 2020, 13, 1228-1243.	5.8	91
5	Deep Neural Network Mapping and Performance Analysis on Tiled RRAM Architecture. , 2020, , .		2
6	A fully integrated reprogrammable memristor-CMOS system for efficient multiply-accumulate operations. <i>Nature Electronics</i> , 2019, 2, 290-299.	13.1	469
7	Temporal data classification and forecasting using a memristor-based reservoir computing system. <i>Nature Electronics</i> , 2019, 2, 480-487.	13.1	309
8	Nanoionic Resistive Switching Devices. <i>Advanced Electronic Materials</i> , 2019, 5, 1900184.	2.6	41
9	A Deep Neural Network Accelerator Based on Tiled RRAM Architecture. , 2019, , .		46
10	Reservoir computing using dynamic memristors for temporal information processing. <i>Nature Communications</i> , 2017, 8, 2204.	5.8	547
11	Growth models of coexisting $(2 \text{ \AA} - 1)$ and $(6 \text{ \AA} - 2)$ phases on an oxygen-terminated Cu(110) surface studied by noncontact atomic force microscopy at 78 K. <i>Nanotechnology</i> , 2016, 27, 205702.	1.3	2
12	Image formation and contrast inversion in noncontact atomic force microscopy imaging of oxidized Cu(110) surfaces. <i>Physical Review B</i> , 2014, 90, .	1.1	8
13	Vertical atomic manipulation with dynamic atomic-force microscopy without tip change via a multi-step mechanism. <i>Nature Communications</i> , 2014, 5, 4476.	5.8	32
14	Integration of 4F2 selector-less crossbar array 2Mb ReRAM based on transition metal oxides for high density memory applications. , 2012, , .		41
15	Chemical tip fingerprinting in scanning probe microscopy of an oxidized Cu(110) surface. <i>Physical Review B</i> , 2012, 86, .	1.1	21
16	The Effect of Tunnel Barrier at Resistive Switching Device for Low Power Memory Applications. , 2011, , .		10
17	Vertical double gate Z-RAM technology with remarkable low voltage operation for DRAM application. , 2010, , .		8