

Mingqiang Huang

List of Publications by Year in descending order

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16
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840119

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1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Optimization of Atomic Layer Deposited HfO _x Memristor by Annealing With Back-End-of-Line Compatibility. IEEE Electron Device Letters, 2022, 43, 1141-1144.	2.2	9
2	A High Performance Multi-Bit-Width Booth Vector Systolic Accelerator for NAS Optimized Deep Learning Neural Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3619-3631.	3.5	8
3	Global-Gate Controlled One-Transistor One-Digital-Memristor Structure for Low-Bit Neural Network. IEEE Electron Device Letters, 2021, 42, 106-109.	2.2	9
4	Hardware-Friendly Stochastic and Adaptive Learning in Memristor Convolutional Neural Networks. Advanced Intelligent Systems, 2021, 3, 2100041.	3.3	16
5	Flexible electronic synapse enabled by ferroelectric field effect transistor for robust neuromorphic computing. Applied Physics Letters, 2020, 117, .	1.5	57
6	A transverse tunnelling field-effect transistor made from a van der Waals heterostructure. Nature Electronics, 2020, 3, 106-112.	13.1	69
7	Design and Implementation of Ternary Logic Integrated Circuits by Using Novel Two-Dimensional Materials. Applied Sciences (Switzerland), 2019, 9, 4212.	1.3	33
8	High Performance Black Phosphorus Electronic and Photonic Devices with HfLaO Dielectric. IEEE Electron Device Letters, 2018, 39, 127-130.	2.2	31
9	Optimized Transport Properties in Lithium Doped Black Phosphorus Transistors. IEEE Electron Device Letters, 2018, 39, 769-772.	2.2	25
10	High-performance two-dimensional transistors and circuits. , 2018, , .		2
11	Black Phosphorus Radio Frequency Electronics at Cryogenic Temperatures. Advanced Electronic Materials, 2018, 4, 1800138.	2.6	15
12	High field transport of high performance black phosphorus transistors. Applied Physics Letters, 2017, 110, .	1.5	27
13	Multifunctional high-performance van der Waals heterostructures. Nature Nanotechnology, 2017, 12, 1148-1154.	15.6	278
14	High performance transistors based on two dimensional materials. , 2017, , .		0
15	Broadband Black-Phosphorus Photodetectors with High Responsivity. Advanced Materials, 2016, 28, 3481-3485.	11.1	364
16	Performance Potential and Limit of MoS ₂ Transistors. Advanced Materials, 2015, 27, 1547-1552.	11.1	92