

Yu-Ching Liao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Materials Requirements of High-Speed and Low-Power Spin-Orbit-Torque Magnetic Random-Access Memory. IEEE Journal of the Electron Devices Society, 2020, 8, 674-680.	2.1	18
2	Benchmarking and Optimization of Spintronic Memory Arrays. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2020, 6, 9-17.	1.5	15
3	Bipolar Electric-Field Switching of Perpendicular Magnetic Tunnel Junctions through Voltage-Controlled Exchange Coupling. Nano Letters, 2022, 22, 622-629.	9.1	15
4	Understanding the Switching Mechanisms of the Antiferromagnet/Ferromagnet Heterojunction. Nano Letters, 2020, 20, 7919-7926.	9.1	11
5	Simulation of the Magnetization Dynamics of a Single-Domain BiFeO ₃ Nanoisland. IEEE Transactions on Magnetics, 2020, 56, 1-9.	2.1	7
6	Spin-Orbit-Torque Material Exploration for Maximum Array-Level Read/Write Performance. , 2020, , .		7
7	Evaluating the Performances of the Ultralow Power Magnetoelectric Random Access Memory With a Physics-Based Compact Model of the Antiferromagnet/Ferromagnet Bilayer. IEEE Transactions on Electron Devices, 2022, 69, 2331-2337.	3.0	7
8	Physics-Based Models for Magneto-Electric Spin-Orbit Logic Circuits. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2022, 8, 10-18.	1.5	4
9	Materials Requirements of High-Speed and Low-Power Spin-Orbit-Torque Magnetic Random-Access Memory. , 2019, , .		2
10	Performance Benchmarking of Spin-Orbit Torque Magnetic RAM (SOT-MRAM) for Deep Neural Network (DNN) Accelerators. , 2022, , .		1