

Yu-Ching Liao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4586061/publications.pdf>

Version: 2024-02-01

10
papers

87
citations

1684188

5
h-index

1720034

7
g-index

10
all docs

10
docs citations

10
times ranked

107
citing authors

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