Tong Wu

List of Publications by Year
in descending order

14	107	1478505 6	1372567 10
papers	citations	h-index	g-index

14	14	14	154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunneling current in HfO2 and Hf0.5Zr0.5O2-based ferroelectric tunnel junction. Journal of Applied Physics, 2018, 123, .	2.5	27
2	Speed Up Quantum Transport Device Simulation on Ferroelectric Tunnel Junction With Machine Learning Methods. IEEE Transactions on Electron Devices, 2020, 67, 5229-5235.	3.0	15
3	A Tantalum Disulfide Charge-Density-Wave Stochastic Artificial Neuron for Emulating Neural Statistical Properties. Nano Letters, 2021, 21, 3465-3472.	9.1	15
4	Reconfigurable Stochastic neurons based on tin oxide/MoS2 hetero-memristors for simulated annealing and the Boltzmann machine. Nature Communications, 2021, 12, 5710.	12.8	14
5	Multiobjective Design of 2-D-Material-Based Field-Effect Transistors With Machine Learning Methods. IEEE Transactions on Electron Devices, 2021, 68, 5476-5482.	3.0	6
6	Multiscale modeling of semimetal contact to two-dimensional transition metal dichalcogenide semiconductor. Applied Physics Letters, 2022, 121, .	3.3	6
7	Performance Potential of 2D Kagome Lattice Interconnects. IEEE Electron Device Letters, 2019, 40, 1973-1975.	3.9	5
8	Compact Model of Carrier Transport in Monolayer Transition Metal Dichalcogenide Transistors. IEEE Transactions on Electron Devices, 2019, 66, 177-183.	3.0	4
9	Variability and Fidelity Limits of Silicon Quantum Gates Due to Random Interface Charge Traps. IEEE Electron Device Letters, 2020, , 1-1.	3.9	4
10	Computational Assessment of Silicon Quantum Gate Based on Detuning Mechanism for Quantum Computing. IEEE Transactions on Electron Devices, 2018, 65, 5530-5536.	3.0	3
11	Performance Assessment of Resonantly Driven Silicon Two-Qubit Quantum Gate. IEEE Electron Device Letters, 2018, 39, 1096-1099.	3.9	3
12	A Multiscale Simulation Approach for Germanium-Hole-Based Quantum Processor. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 257-265.	2.7	3
13	A computational study of spin Hall effect device based on 2D materials. Journal of Applied Physics, 2020, 128, 014303.	2.5	1
14	Electroluminescence of atoms in a graphene nanogap. Science Advances, 2022, 8, eabj1742.	10.3	1