

Cem Alper

List of Publications by Year in descending order

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8
papers

173
citations

1307594

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1588992

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g-index

8
all docs

8
docs citations

8
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of selected topics in physics based modeling for tunnel field-effect transistors. Semiconductor Science and Technology, 2017, 32, 083005.	2.0	69
2	Quantum Mechanical Study of the Germanium Electron-Hole Bilayer Tunnel FET. IEEE Transactions on Electron Devices, 2013, 60, 2754-2760.	3.0	40
3	The Electron-Hole Bilayer TFET: Dimensionality Effects and Optimization. IEEE Transactions on Electron Devices, 2016, 63, 2603-2609.	3.0	20
4	Benchmarking of Homojunction Strained-Si NW Tunnel FETs for Basic Analog Functions. IEEE Transactions on Electron Devices, 2017, 64, 1441-1448.	3.0	13
5	A Novel Reconfigurable Sub-0.25-V Digital Logic Family Using the Electron-Hole Bilayer TFET. IEEE Journal of the Electron Devices Society, 2018, 6, 2-7.	2.1	11
6	Implementation of Band-to-Band Tunneling Phenomena in a Multisubband Ensemble Monte Carlo Simulator: Application to Silicon TFETs. IEEE Transactions on Electron Devices, 2017, 64, 3084-3091.	3.0	9
7	Switching Behavior Constraint in the Heterogate Electron-Hole Bilayer Tunnel FET: The Combined Interplay Between Quantum Confinement Effects and Asymmetric Configurations. IEEE Transactions on Electron Devices, 2016, 63, 2570-2576.	3.0	7
8	Analysis of the Heterogate Electron-Hole Bilayer Tunneling Field-Effect Transistor With Partially Doped Channels: Effects on Tunneling Distance Modulation and Occupancy Probabilities. IEEE Transactions on Electron Devices, 2018, 65, 339-346.	3.0	4