Oves Badami

List of Publications by Year
in descending order

15 papers	**118** citations	1478505 **6** h-index	1474206 **9** g-index
15 all docs	**15** docs citations	**15** times ranked	**99** citing authors

#	Article	IF	Citations
1	Simulation of the Impact of Ionized Impurity Scattering on the Total Mobility in Si Nanowire Transistors. Materials, 2019, 12, 124.	2.9	21
2	An Improved Surface Roughness Scattering Model for Bulk, Thin-Body, and Quantum-Well MOSFETs. IEEE Transactions on Electron Devices, 2016, 63, 2306-2312.	3.0	20
3	Nano-electronic Simulation Software (NESS): a flexible nano-device simulation platform. Journal of Computational Electronics, 2020, 19, 1031-1046.	2.5	20
4	Mobility of Circular and Elliptical Si Nanowire Transistors Using a Multi-Subband 1D Formalism. IEEE Electron Device Letters, 2019, 40, 1571-1574.	3.9	15
5	Comprehensive Study of Cross-Section Dependent Effective Masses for Silicon Based Gate-All-Around Transistors. Applied Sciences (Switzerland), 2019, 9, 1895.	2.5	15
6	Variability Predictions for the Next Technology Generations of n-type SixGe1−x Nanowire MOSFETs. Micromachines, 2018, 9, 643.	2.9	7
7	A Kinetic Monte Carlo Study of Retention Time in a POM Molecule-Based Flash Memory. IEEE Nanotechnology Magazine, 2020, 19, 704-710.	2.0	5
8	Enhanced Capabilities of the Nano-Electronic Simulation Software (NESS). , 2020, , .		5
9	Surface Roughness Scattering in NEGF using self-energy formulation. , 2019, , .		3
10	Multiscale Modeling of Charge Trapping in Molecule Based Flash Memories. , 2019, , .		2
11	Schrödinger Equation Based Quantum Corrections in Drift-Diffusion: A Multiscale Approach. , 2019, , .		2
12	Physical Insights into the Transport Properties of RRAMs Based on Transition Metal Oxides. , 2019, , .		1
13	KMC-based POM flash cell optimization and time-dependent performance investigation. Semiconductor Science and Technology, 2021, 36, 075021.	2.0	1
14	Study of gate current in advanced MOS architectures. Solid-State Electronics, 2022, 194, 108345.	1.4	1
15	Advanced Simulation of RRAM Memory Cells. , 2019, , .		0