

Sven Mothes

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

273
citations

1040056

9
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an optimal contact metal for CNTFETs. <i>Nanoscale</i> , 2016, 8, 10240-10251.	5.6	54
2	Toward Linearity in Schottky Barrier CNTFETs. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 372-378.	2.0	50
3	COOS: a wave-function based Schrödinger-Poisson solver for ballistic nanotube transistors. <i>Journal of Computational Electronics</i> , 2014, 13, 689-700.	2.5	39
4	A Semiphysical Large-Signal Compact Carbon Nanotube FET Model for Analog RF Applications. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 52-60.	3.0	31
5	High-Frequency Ballistic Transport Phenomena in Schottky Barrier CNTFETs. <i>IEEE Transactions on Electron Devices</i> , 2012, 59, 2610-2618.	3.0	18
6	Three-Dimensional Transport Simulations and Modeling of Densely Packed CNTFETs. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 1282-1287.	2.0	17
7	Feasible Device Architectures for Ultrascaled CNTFETs. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 100-107.	2.0	14
8	Impact of incomplete metal coverage on the electrical properties of metal-CNT contacts: A large-scale <i>ab initio</i> study. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	10
9	Performance Projections for a Reconfigurable Tunnel NanoFET. <i>IEEE Journal of the Electron Devices Society</i> , 2017, 5, 473-479.	2.1	10
10	Reconfigurable NanoFETs: Performance Projections for Multiple-Top-Gate Architectures. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 467-474.	2.0	10
11	Performance analysis of parallel array of nanowires and a nanosheet in SG, DG and GAA FETs. <i>Solid-State Electronics</i> , 2019, 162, 107641.	1.4	6
12	Device design and optimization of CNTFETs for high-frequency applications. <i>Journal of Computational Electronics</i> , 2021, 20, 2492-2500.	2.5	5
13	About the charge injection limitation in Schottky barrier CNTFETs. , 2013, , .		3
14	Contact resistance extraction methods for CNTFETs. , 2015, , .		3
15	Carbon nanotube field-effect transistor performance in the scope of the 2026 ITRS requirements. , 2016, , .		3
16	Evaluation of Stacked-CNTFET Structures for High-performance Applications. , 2021, , .		0