

Ramendra Singh

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

123
citations

1684188

5
h-index

1872680

6
g-index

10
all docs

10
docs citations

10
times ranked

141
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of 10-nm Bulk FinFET RF Performanceâ€™ Conventional Versus NC-FinFET. IEEE Electron Device Letters, 2018, 39, 1246-1249.	3.9	49
2	3-D LER and RDF Matching Performance of Nanowire FETs in Inversion, Accumulation, and Junctionless Modes. IEEE Transactions on Electron Devices, 2018, 65, 1246-1252.	3.0	33
3	Experimental Evaluation of Self-Heating and Analog/RF FOM in GAA-Nanowire FETs. IEEE Transactions on Electron Devices, 2019, 66, 3279-3285.	3.0	14
4	Analytical Modeling of Parasitic Capacitance in Inserted-Oxide FinFETs. IEEE Transactions on Electron Devices, 2017, 64, 5274-5278.	3.0	8
5	Impact of Gamma-Ray Radiation on DC and RF Performance of 10-nm Bulk N-Channel FinFETs. IEEE Transactions on Device and Materials Reliability, 2020, 20, 760-766.	2.0	7
6	7-nm Nanowire FET process variation modeling using industry standard BSIM-CMG model. , 2016, , .		6
7	Characterization and modeling of N-channel bulk FinFETs from DC to high frequency. , 2017, , .		3
8	Impact of SOI thickness scaling on alpha-particle irradiation performance of MOSFETs. , 2017, , .		1
9	An investigation of reliability and variability issues in nanoscale SOI and multi-gate MOSFETs: modelling, simulation and characterization. CSI Transactions on ICT, 2019, 7, 209-214.	1.0	1
10	Superior Transient Response to Heavy-Ion Irradiation by N-Channel SOI-iFinFETs. IETE Journal of Research, 2022, 68, 2231-2237.	2.6	1