

Siddharth Potbhare

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

328
citations

1684188

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2053705

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g-index

9
all docs

9
docs citations

9
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	A Physical Model of High Temperature 4H-SiC MOSFETs. IEEE Transactions on Electron Devices, 2008, 55, 2029-2040.	3.0	137
2	Numerical and experimental characterization of 4H-silicon carbide lateral metal-oxide-semiconductor field-effect transistor. Journal of Applied Physics, 2006, 100, 044515.	2.5	92
3	Energy- and Time-Dependent Dynamics of Trap Occupation in 4H-SiC MOSFETs. IEEE Transactions on Electron Devices, 2008, 55, 2061-2070.	3.0	34
4	High field density-functional-theory based Monte Carlo: 4H-SiC impact ionization and velocity saturation. Journal of Applied Physics, 2009, 105, .	2.5	31
5	A quasi-two-dimensional depth-dependent mobility model suitable for device simulation for Coulombic scattering due to interface trapped charges. Journal of Applied Physics, 2006, 100, 044516.	2.5	29
6	Effects of quantum confinement on interface trap occupation in 4H-SiC MOSFETs. , 2008, , .		4
7	Effect of random surface charge distribution on transport in 4H-SiC MOSFETs. , 2009, , .		1
8	High temperature high field numerical modeling and experimental characterization of 4H-SiC MOSFETs. , 2007, , .		0
9	Mixed Mode Modeling and Characterization of a 4H-SiC Power DMOSFET Based DC-DC Power Converter. Materials Science Forum, 2010, 645-648, 1163-1166.	0.3	0