Sushanta Bordoloi

List of Publications by Year
in descending order

11 papers	37 citations	1937685 4 h-index	1872680 6 g-index
13 all docs	13 docs citations	13 times ranked	25 citing authors

#	ARTICLE	IF	CITATIONS
1	A study on modeling and simulation of Multiple- Gate MOSFETs. Journal of Physics: Conference Series, 2016, 759, 012093.	0.4	10
2	Numerical Simulation of Enhanced-Reliability Filleted-Gate AlGaN/GaN HEMT. Journal of Electronic Materials, 2020, 49, 2018-2031.	2.2	8
3	Access Region Stack Engineering for Mitigation of Degradation in AlGaN/GaN HEMTs With Field Plate. IEEE Transactions on Device and Materials Reliability, 2022, 22, 73-84.	2.0	6
4	Estimation of coulombic efficiency of lead acid battery for range determination of electric vehicle. , 2015, , .		5
5	Introspection Into Reliability Aspects in AlGaN/GaN HEMTs With Gate Geometry Modification. IEEE Access, 2021, 9, 99828-99841.	4.2	4
6	Realization of multi-configurable logic gate behaviour on fluorescence switching signalling of naphthalene diimide congeners. RSC Advances, 2021, 11, 35274-35279.	3.6	2
7	FEM Based Device Simulator for High Voltage Devices. Communications in Computer and Information Science, 2017, , 127-135.	0.5	1
8	Numerical analysis of the Impact of Gate Geometry variations on the Reliability of AlGaN/GaN HEMT. , 2021, , .		1
9	Current Collapse Reduction Technique Using N-Doped Buffer Layer into the Bulk Region of a Gate Injection Transistor. , 2019, , .		0
10	Investigation of Electric Field Profile and associated parameters with Embedded Metal Layer in Field Plate AlGaN/GaN HEMTs. Journal of Physics: Conference Series, 2022, 2236, 012005.	0.4	0
11	On-board Health Prognosis of Lithium-Ion Battery Based on the Estimation of Internal Resistance Under Resistive and Inductive Loading Conditions. , 2022, , .		0