

Ashu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

132
citations

1937685

4
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

245
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and Accurate Method to Estimate Channel Temperature and Thermal Resistance in AlGaIn/GaN HEMTs. IEEE Transactions on Electron Devices, 2013, 60, 4105-4111.	3.0	55
2	Impact of Intrinsic Stress in Diamond Capping Layers on the Electrical Behavior of AlGaIn/GaN HEMTs. IEEE Transactions on Electron Devices, 2013, 60, 3149-3156.	3.0	37
3	Observation of the unexpected morphology of graphene wrinkle on copper substrate. Scientific Reports, 2017, 7, 8244.	3.3	23
4	Three-dimensional steady and transient fully coupled electro-thermal simulation of AlGaIn/GaN high electron mobility transistors: Effects of lateral heat dissipation and thermal crosstalk between gate fingers. AIP Advances, 2017, 7, 095304.	1.3	5
5	Modification of strain and 2DEG density induced by wafer bending of AlGaIn/GaN heterostructure: Influence of edges caused by processing. AIP Advances, 2018, 8, 035318.	1.3	3
6	Static and dynamic simulation studies on the AlGaIn/GaN pressure sensor. Semiconductor Science and Technology, 2019, 34, 115022.	2.0	3
7	Surface donor states-dependent bare surface barrier height and 2DEG density of AlGaIn/GaN heterostructure exerted uniaxial stress. Materials Research Express, 2018, 5, 025903.	1.6	2
8	Study on the GaN/AlGaIn Piezotronic Effect Applied in Pressure Sensors. ECS Journal of Solid State Science and Technology, 2021, 10, 037007.	1.8	2
9	Temperature effects on the nano-friction across exposed atomic step edges. AIP Advances, 2020, 10, .	1.3	1
10	Temperature dependence of nanoscale friction on topological insulator Bi ₂ Se ₃ surfaces. Nanotechnology, 0, , .	2.6	1