

Md Arif Khan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

216
citations

932766

10
h-index

1199166

12
g-index

16
all docs

16
docs citations

16
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of barrier inhomogeneities and interface state density in Au/MgZnO: Ga Schottky contact. Journal Physics D: Applied Physics, 2016, 49, 445303.	1.3	36
2	Buffer Layer Engineering for High ($\geq 10^{13} \text{ cm}^{-2}$) 2-DEG Density in ZnO-Based Heterostructures. IEEE Transactions on Electron Devices, 2017, 64, 1015-1019.	1.6	26
3	Analytical Model for 2DEG Density in Graded MgZnO/ZnO Heterostructures With Cap Layer. IEEE Transactions on Electron Devices, 2017, 64, 3661-3667.	1.6	26
4	Two-dimensional electron gases in MgZnO/ZnO and ZnO/MgZnO/ZnO heterostructures grown by dual ion beam sputtering. Journal Physics D: Applied Physics, 2018, 51, 13LT02.	1.3	26
5	Effect of Surface Variations on the Performance of Yttria Based Memristive System. IEEE Electron Device Letters, 2018, 39, 1852-1855.	2.2	25
6	Analysis of Drain Current in Polycrystalline MgZnO/ZnO and MgZnO/CdZnO HFET. IEEE Transactions on Electron Devices, 2019, 66, 5097-5102.	1.6	16
7	Drain Current Optimization in DIBS-Grown MgZnO/CdZnO HFET. IEEE Transactions on Electron Devices, 2020, 67, 2276-2281.	1.6	11
8	Analytical Performance Analysis of CdZnO/ZnO-Based Multiple Quantum Well Solar Cell. IEEE Transactions on Electron Devices, 2020, 67, 1047-1051.	1.6	11
9	Enhanced Sheet Charge Density in DIBS Grown CdO Alloyed ZnO Buffer Based Heterostructure. IEEE Electron Device Letters, 2018, 39, 827-830.	2.2	10
10	Electron scattering analysis in 2DEG in sputtering-grown MgZnO/ZnO heterostructure. Journal Physics D: Applied Physics, 2020, 53, 125108.	1.3	10
11	Role of Surface States and Interface Charges in 2DEG in Sputtered ZnO Heterostructures. IEEE Transactions on Electron Devices, 2018, 65, 2850-2854.	1.6	9
12	Performance Analysis of p-LPZO/n-GZO and p-SZO/n-GZO Homojunction UV Photodetectors. Superlattices and Microstructures, 2020, 140, 106451.	1.4	6
13	Two-dimensional electron gas in MgZnO/ZnO heterostructures grown by dual-ion beam sputtering. , 2016, , .		4
14	Spectral Photoresponse Tunability of MgZnO Based UV Photodetectors. , 2018, , .		0
15	Enhanced Sheet Carrier Density in ZnO Based Heterostructure by Alloying Cadmium in Buffer Layer ZnO. Springer Proceedings in Physics, 2019, , 1273-1275.	0.1	0
16	MgZnO Based UV Heterojunction Photodetector Fabricated Using Dual Ion Beam Sputtering. Springer Proceedings in Physics, 2019, , 981-984.	0.1	0