

Xiaoming Huang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

256
citations

1478505

6
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

354
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical instability of amorphous indium-gallium-zinc oxide thin film transistors under monochromatic light illumination. Applied Physics Letters, 2012, 100, 243505.	3.3	82
2	Enhanced bias stress stability of a-InGaZnO thin film transistors by inserting an ultra-thin interfacial InGaZnO:N layer. Applied Physics Letters, 2013, 102, .	3.3	57
3	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	2.2	36
4	Large-Swing a-IGZO Inverter With a Depletion Load Induced by Laser Annealing. IEEE Electron Device Letters, 2014, 35, 1034-1036.	3.9	30
5	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. Scientific Reports, 2016, 6, 23486.	3.3	21
6	Analytical model for the potential and electric field distributions of AlGaIn/GaN HEMTs with gate-connected FP based on Equivalent Potential Method. Superlattices and Microstructures, 2020, 138, 106327.	3.1	9
7	An Analytical Breakdown Model for the SOI LDMOS With Arbitrary Drift Doping Profile by Using Effective Substrate Voltage Method. IEEE Journal of the Electron Devices Society, 2020, 8, 49-56.	2.1	5
8	Analysis of Nitrogen-Doping Effect on Sub-Gap Density of States in a-IGZO TFTs by TCAD Simulation. Micromachines, 2022, 13, 617.	2.9	5
9	Influence of N ₂ /O ₂ Partial Pressure Ratio during Channel Layer Deposition on the Temperature and Light Stability of a-InGaZnO TFTs. Applied Sciences (Switzerland), 2019, 9, 1880.	2.5	4
10	A Novel Step-Deposited Doped Channel AlGaIn/GaN HEMTs with Improved Breakdown Performance. Micromachines, 2021, 12, 1244.	2.9	4
11	Analysis of Interface Properties in AlGaIn/GaN MIS-HEMTs with HfO ₂ and SiN _x Gate Dielectric. , 2020, , .		2
12	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. , 0, .		1