

Xiaoming Huang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

256
citations

1478505

6
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1372567

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12
all docs

12
docs citations

12
times ranked

354
citing authors

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