

Gaurav Siddharth

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Analytical Study of Performance Parameters of InGaN/GaN Multiple Quantum Well Solar Cell. IEEE Transactions on Electron Devices, 2019, 66, 3399-3404. | 1.6 | 17 |
| 2 | Organo-di-benzoic-acidified ZnO Nanohybrids for Highly Selective Detection of CO at Low Temperature. Journal of Physical Chemistry C, 2020, 124, 7307-7316. | 1.5 | 17 |
| 3 | Analysis of Drain Current in Polycrystalline MgZnO/ZnO and MgZnO/CdZnO HFET. IEEE Transactions on Electron Devices, 2019, 66, 5097-5102. | 1.6 | 16 |
| 4 | Improving the Cu ₂ ZnSn(S,Se) ₄ -Based Photovoltaic Conversion Efficiency by Back-Contact Modification. IEEE Transactions on Electron Devices, 2021, 68, 2748-2752. | 1.6 | 15 |
| 5 | Investigation of DIBS-Deposited CdZnO/ZnO-Based Multiple Quantum Well for Large-Area Photovoltaic Application. IEEE Transactions on Electron Devices, 2020, 67, 5587-5592. | 1.6 | 15 |
| 6 | Impact of Interfacial SiO ₂ on Dual Ion Beam Sputtered Y ₂ O ₃ -Based Memristive System. IEEE Nanotechnology Magazine, 2020, 19, 332-337. | 1.1 | 15 |
| 7 | Investigation of valence plasmon excitations in GMZO thin film and their suitability for plasmon-enhanced buffer-less solar cells. Solar Energy, 2019, 178, 114-124. | 2.9 | 14 |
| 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 | Analytical Study of Sputter-Grown ZnO-Based p-i-n Homojunction UV Photodetector. IEEE Sensors Journal, 2021, 21, 7515-7521. | 2.4 | 11 |
| 10 | Electron scattering analysis in 2DEG in sputtering-grown MgZnO/ZnO heterostructure. Journal Physics D: Applied Physics, 2020, 53, 125108. | 1.3 | 10 |
| 11 | Insights into the sputter-instigated valence plasmon oscillations in CIGSe thin films. Surfaces and Interfaces, 2021, 25, 101146. | 1.5 | 10 |
| 12 | Influence of Substrate Temperature and Sulfurization on Sputtered Cu ₂ SnGe(S,Se) ₃ Thin Films for Solar Cell Application. IEEE Transactions on Electron Devices, 2022, 69, 2488-2493. | 1.6 | 3 |
| 13 | Progress in Thin Film Solar Cell and Advanced Technologies for Performance Improvement. , 2022, , 661-680. | | 2 |
| 14 | Structural and optical study of sputtered grown Sb doped ZnO thin film. , 2021, , . | | 1 |
| 15 | Evaluation of Ga:MgZnO/CIGSe Heterojunction for Realization of All Sputtered Buffer-Less Solar Cell. Springer Proceedings in Physics, 2019, , 383-386. | 0.1 | 0 |
| 16 | Optimization of dual ion beam sputtered MQWs for solar cell. , 2021, , . | | 0 |
| 17 | Modelling and Performance analysis of InGaN/GaN based Multiple Quantum Well solar cells. , 2020, , . | | 0 |