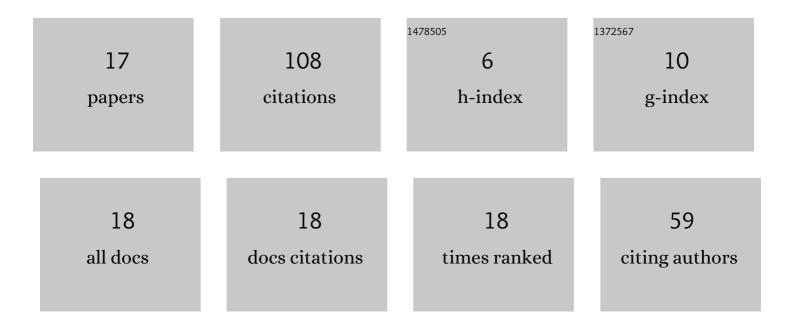
Venkanna Kanneboina

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The simulated performance of c-Si/a-Si:H heterojunction solar cells with nc-Si:H, µc-Si:H, a-SiC:H, and a-SiGe:H emitter layers. Journal of Computational Electronics, 2021, 20, 344-352. | 2.5 | 8 |
| 2 | Stepwise tuning of the doping and thickness of a-Si:H(p) emitter layer to improve the performance of c-Si(n)/a-Si:H(p) heterojunction solar cells. Journal of Materials Science: Materials in Electronics, 2021, 32, 4457-4465. | 2.2 | 5 |
| 3 | Spectroscopic ellipsometry investigation to study the microstructure evolution in boron-doped amorphous silicon films as a result of hydrogen dilution. SN Applied Sciences, 2021, 3, 1. | 2.9 | 2 |
| 4 | Influence of Ag nano particles on spectroscopic and luminescence properties of Dy3+ doped borate glasses. Journal of Non-Crystalline Solids, 2021, 559, 120702. | 3.1 | 9 |
| 5 | Effective utilization of light by transparent conducting oxide layer to enhance the performance of the silicon heterojunction solar cells. Bulletin of Materials Science, 2021, 44, 1. | 1.7 | 0 |
| 6 | Role of Hydrogen Flow Rate on Microstructure of a-Si:H(n) Films: Spectroscopic Ellipsometry Studies. Journal of Electronic Materials, 2019, 48, 2404-2410. | 2.2 | 5 |
| 7 | Role of chamber pressure on crystallinity and composition of silicon films using silane and methane as precursors in hot-wire chemical vapour deposition technique. Thin Solid Films, 2019, 682, 126-130. | 1.8 | 3 |
| 8 | Influence of deposition temperature on indium tin oxide thin films for solar cell applications. AIP Conference Proceedings, 2019, , . | 0.4 | 5 |
| 9 | Spectroscopic ellipsometry studies on microstructure evolution of a-Si:H to nc-Si:H films by H2 plasma exposure. Materials Today Communications, 2018, 15, 18-29. | 1.9 | 18 |
| 10 | High open circuit voltage c-Si/a-Si:H heterojunction solar cells: Influence of hydrogen plasma treatment studied by spectroscopic ellipsometry. Solar Energy, 2018, 166, 255-266. | 6.1 | 18 |
| 11 | Low-Temperature Growth of Amorphous Silicon Films and Direct Fabrication of Solar Cells on Flexible Polyimide and Photo-Paper Substrates. Journal of Electronic Materials, 2018, 47, 4710-4720. | 2.2 | 14 |
| 12 | Exploring the photo paper as flexible substrate for fabrication of a-Si:H based thin film solar cells at low temperature (110â€ ⁻ °C): Influence of radio frequency power on opto-electronic properties. Thin Solid Films, 2018, 662, 155-164. | 1.8 | 6 |
| 13 | Hydrogenated amorphous silicon solar cells fabricated at low substrate temperature 110°C on flexible PET substrate. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 14 | Enhanced performance of amorphous silicon solar cells (110 °C) on flexible substrates with a-SiC:H(p) window layer and H ₂ plasma treatment at n/i and i/p interface. Semiconductor Science and Technology, 2018, 33, 085009. | 2.0 | 4 |
| 15 | Evolution of nanostructure in hydrogenated amorphous silicon thin films with substrate temperature studied by Raman mapping, Raman scattering and spectroscopic ellipsometry. Journal of Materials Science: Materials in Electronics, 2017, 28, 8885-8894. | 2.2 | 9 |
| 16 | Raman and spectroscopic ellipsometry studies of a-Si:H thin films on low-cost photo paper substrate. Materials Today: Proceedings, 2017, 4, 12666-12670. | 1.8 | 1 |
| 17 | Influence of hydrogen plasma treatment of intrinsic a-Si:H layer on the performance of the c-Si/a-Si:Hheterojunction solar cells. Materials Today: Proceedings, 2017, 4, 12726-12729. | 1.8 | 0 |