Ramakrishna Madaka

List of Publications by Year
in descending order

13	80	1684188 5	1474206 9
papers	citations	h-index	g-index

13	13	13	40
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunnel recombination junction influence on the a-Si:H/SHJ tandem solar cell. Materials Today: Proceedings, 2021, 39, 1970-1973.	1.8	2
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	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
4	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
5	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
6	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
7	Exploring the photo paper as flexible substrate for fabrication of a-Si:H based thin film solar cells at low temperature (110â€Â°C): Influence of radio frequency power on opto-electronic properties. Thin Solid Films, 2018, 662, 155-164.	1.8	6
8	Enhanced performance of amorphous silicon solar cells (110 Â°C) on flexible substrates with a-SiC:H(p) window layer and H₂ plasma treatment at n/i and i/p interface. Semiconductor Science and Technology, 2018, 33, 085009.	2.0	4
9	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
10	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
11	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
12	Effect of Substrate Temperature on the Structural and Optical Properties of CdTe Films Prepared by Thermal Evaporation. Environmental Science and Engineering, 2014, , 363-365.	0.2	0
13	Structural, Optical and Electrical Characterization of CdSe Nanorods Synthesized by Solvothermal Process. Conference Papers in Energy, 2013, 2013, 1-4.	0.6	0