

Ramakrishna Madaka

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

80
citations

1684188

5
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

40
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic ellipsometry studies on microstructure evolution of a-Si:H to nc-Si:H films by H ₂ plasma exposure. <i>Materials Today Communications</i> , 2018, 15, 18-29.	1.9	18
2	High open circuit voltage c-Si/a-Si:H heterojunction solar cells: Influence of hydrogen plasma treatment studied by spectroscopic ellipsometry. <i>Solar Energy</i> , 2018, 166, 255-266.	6.1	18
3	Low-Temperature Growth of Amorphous Silicon Films and Direct Fabrication of Solar Cells on Flexible Polyimide and Photo-Paper Substrates. <i>Journal of Electronic Materials</i> , 2018, 47, 4710-4720.	2.2	14
4	Evolution of nanostructure in hydrogenated amorphous silicon thin films with substrate temperature studied by Raman mapping, Raman scattering and spectroscopic ellipsometry. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8885-8894.	2.2	9
5	Exploring the photo paper as flexible substrate for fabrication of a-Si:H based thin film solar cells at low temperature (110 Å°C): Influence of radio frequency power on opto-electronic properties. <i>Thin Solid Films</i> , 2018, 662, 155-164.	1.8	6
6	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4457-4465.	2.2	5
7	Enhanced performance of amorphous silicon solar cells (110 Å°C) on flexible substrates with a-SiC:H(p) window layer and H ₂ plasma treatment at n/i and i/p interface. <i>Semiconductor Science and Technology</i> , 2018, 33, 085009.	2.0	4
8	Role of chamber pressure on crystallinity and composition of silicon films using silane and methane as precursors in hot-wire chemical vapour deposition technique. <i>Thin Solid Films</i> , 2019, 682, 126-130.	1.8	3
9	Tunnel recombination junction influence on the a-Si:H/SHJ tandem solar cell. <i>Materials Today: Proceedings</i> , 2021, 39, 1970-1973.	1.8	2
10	Raman and spectroscopic ellipsometry studies of a-Si:H thin films on low-cost photo paper substrate. <i>Materials Today: Proceedings</i> , 2017, 4, 12666-12670.	1.8	1
11	Structural, Optical and Electrical Characterization of CdSe Nanorods Synthesized by Solvothermal Process. <i>Conference Papers in Energy</i> , 2013, 2013, 1-4.	0.6	0
12	Effect of Substrate Temperature on the Structural and Optical Properties of CdTe Films Prepared by Thermal Evaporation. <i>Environmental Science and Engineering</i> , 2014, , 363-365.	0.2	0
13	Influence of hydrogen plasma treatment of intrinsic a-Si:H layer on the performance of the c-Si/a-Si:H heterojunction solar cells. <i>Materials Today: Proceedings</i> , 2017, 4, 12726-12729.	1.8	0