Sergey Varlamov

List of Publications by Year in descending order

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Version: 2024-02-01

13	516	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of Power Losses of the Interdigitated Metallization of Crystalline Silicon Thin-Film Solar Cells on Glass. International Journal of Photoenergy, 2012, 2012, 1-6.	2.5	290
2	Thinâ€film polycrystalline silicon solar cells formed by diode laser crystallisation. Progress in Photovoltaics: Research and Applications, 2013, 21, 1377-1383.	8.1	67
3	Micro-structural defects in polycrystalline silicon thin-film solar cells on glass by solid-phase crystallisation and laser-induced liquid-phase crystallisation. Solar Energy Materials and Solar Cells, 2015, 132, 282-288.	6.2	20
4	Optimum surface condition for plasmonic Ag nanoparticles in polycrystalline silicon thin film solar cells. Applied Physics Letters, 2014, 104, .	3.3	19
5	Large Grained, Low Defect Density Polycrystalline Silicon on Glass Substrates by Large-area Diode Laser Crystallisation. Materials Research Society Symposia Proceedings, 2012, 1426, 251-256.	0.1	18
6	Highest Efficiency Plasmonic Polycrystalline Silicon Thin-Film Solar Cells by Optimization of Plasmonic Nanoparticle Fabrication. Plasmonics, 2013, 8, 1209-1219.	3.4	18
7	Wire bonding as a cell interconnection technique for polycrystalline silicon thinâ€film solar cells on glass. Progress in Photovoltaics: Research and Applications, 2010, 18, 221-228.	8.1	17
8	Enhanced Absorption in Laser-Crystallized Silicon Thin Films on Textured Glass. IEEE Journal of Photovoltaics, 2016, 6, 852-859.	2.5	16
9	Intermediate Layers for Thin-Film Polycrystalline Silicon Solar Cells on Glass Formed by Diode Laser Crystallization. Materials Research Society Symposia Proceedings, 2012, 1426, 63-68.	0.1	15
10	Light Absorption Enhancement in Laser-Crystallized Silicon Thin Films on Textured Glass. IEEE Journal of Photovoltaics, 2016, 6, 159-165.	2.5	14
11	Lifetime analysis of laser crystallized silicon films on glass. Journal of Applied Physics, 2015, 118, .	2.5	11
12	Photoluminescence imaging of thin film silicon on glass. Solar Energy Materials and Solar Cells, 2014, 130, 1-5.	6.2	9
13	Properties of laser-crystallised silicon thin-film solar cells on textured glass. Journal of Materials Science: Materials in Electronics, 2017, 28, 10391-10399.	2.2	2