Takahiro Mise

List of Publications by Year
in descending order

24 papers	646 citations	840776 11 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	789 citing authors

#	Article	IF	Citations
1	Novel device structure for Cu(In,Ga)Se2 thin film solar cells using transparent conducting oxide back and front contacts. Solar Energy, 2004, 77, 739-747.	6.1	235
2	Cu₂ZnSnS₄ photovoltaic cell with improved efficiency fabricated by highâ€temperature annealing after CdS bufferâ€layer deposition. Progress in Photovoltaics: Research and Applications, 2017, 25, 14-22.	8.1	97
3	Low temperature growth and properties of Cuâ€“Inâ€“Te based thin films for narrow bandgap solar cells. Thin Solid Films, 2010, 518, 5604-5609.	1.8	46
4	Superstrate-Type Cu(In, Ga)Se2 Thin Film Solar Cells with ZnO Buffer Layers. Japanese Journal of Applied Physics, 1998, 37, L499-L501.	1.5	42
5	Microstructural properties of (In,Ga)2Se3 precursor layers for efficient CIGS thin-film solar cells. Solar Energy Materials and Solar Cells, 2009, 93, 1000-1003.	6.2	40
6	Wide-Gap Cu(In,Ga)Se₂ Solar Cells with Zn(O,S) Buffer Layers Prepared by Atomic Layer Deposition. Japanese Journal of Applied Physics, 2012, 51, 10NC15.	1.5	21
7	Photovoltaic properties of Cu₂ZnSnS₄ cells fabricated using ZnSnO and ZnSnO/CdS buffer layers. Japanese Journal of Applied Physics, 2016, 55, 112302.	1.5	21
8	Improving the photovoltaic performance of coâ€evaporated Cu₂ZnSnS₄ thinâ€film solar cells by incorporation of sodium from NaF layers. Progress in Photovoltaics: Research and Applications, 2016, 24, 1009-1015.	8.1	18
9	Wide-Gap Cu(In,Ga)Se₂Solar Cells with Zn(O,S) Buffer Layers Prepared by Atomic Layer Deposition. Japanese Journal of Applied Physics, 2012, 51, 10NC15.	1.5	15
10	Effects of substrate temperature and film thickness on properties of CuIn3Te5 thin films and solar cells. Journal of Applied Physics, 2011, 110, 014504.	2.5	13
11	Narrowâ€bandgap CuIn₃Te₅ thinâ€film solar cells. Progress in Photovoltaics: Research and Applications, 2013, 21, 754-759.	8.1	13
12	Microstructural and optical properties of CuIn3Te5 thin films for solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 1132-1136.	6.2	12
13	Effect of tellurium deposition rate on the properties of Cuâ€“Inâ€“Te based thin films and solar cells. Journal of Crystal Growth, 2011, 314, 76-80.	1.5	10
14	CIGS thin film solar cells on polyimide foils. , 2010, , .		9
15	Transparent Conducting ZnO:B Thin Films Grown by Ultraviolet Light Assisted Metal Organic Chemical Vapor Deposition Using Triethylboron for Cu(In,Ga)Se$_{2}$ Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC09.	1.5	9
16	In situ process monitoring during multistage coevaporation of Cu2ZnSnS4 thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	9
17	Influence of chemical composition on the properties of directly coevaporated Cuâ€“Znâ€“Snâ€“S-based thin films and solar cells. Japanese Journal of Applied Physics, 2016, 55, 012303.	1.5	7
18	Transparent Conducting ZnO:B Thin Films Grown by Ultraviolet Light Assisted Metal Organic Chemical Vapor Deposition Using Triethylboron for Cu(In,Ga)Se2Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC09.	1.5	7

#	Article	IF	Citations
19	Effects of Antimony Doping on Cu(In_{1-x},Ga_x)Se₂Thin Films and Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC25.	1.5	7
20	Influence of copper to indium atomic ratio on the properties of Cuâ€“Inâ€“Te based thin-film solar cells prepared by low-temperature co-evaporation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 051202.	2.1	5
21	Effects of Bi Incorporation on Cu(In_{1-x},Ga_x)Se₂ Thin Films and Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC24.	1.5	4
22	Effects of Antimony Doping on Cu(In_{1-x},Ga_x)Se₂ Thin Films and Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10NC25.	1.5	4
23	Impact of the LAD process on CIGS thin films and solar cells. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	1
24	Optical and electrical properties of Cu-In-Te based thin films and solar cells. , 2010, , .		1