

Ayaka Kanai

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

381
citations

1163117

8
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Ag on the carrier lifetime and efficiency of $(\text{Cu}_{1-x}\text{Ag}_x)_2\text{SnS}_3$ thin films. <i>Journal of Applied Physics</i> , 2021, 124, 043101. DOI: 10.1063/1.5004114	1.5	4
2	Impact of Na and/or Sb on the CTS thin films and solar cell performance. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 105506. DOI: 10.1063/1.5004114	1.5	4
3	Na induction effects for μsc properties of Cu_2SnS_3 (CTS) solar cells and fabrication of a CTS solar cell over 5.2% efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2021, 231, 111315. DOI: 10.1016/j.solmat.2021.111315	6.2	37
4	Emission properties of intrinsic and extrinsic defects in Cu_2SnS_3 thin films and solar cells. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 015504. DOI: 10.1063/1.5004114	1.5	12
5	Sulfurization of $\text{Cu}_2(\text{Sn,Ge})\text{S}_3$ thin films deposited by co-evaporation. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SCCD01. DOI: 10.1063/1.5004114	1.5	4
6	A comprehensive study on Cu_2SnS_3 prepared by sulfurization of Cu_2Sn sputtered precursor for thin-film solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14577-14590. DOI: 10.1007/s10854-020-04577-1	2.2	8
7	Effect of rapid thermal annealing on sprayed Cu_2SnS_3 thin films for solar-cell application. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 105503. DOI: 10.1063/1.5004114	1.5	2
8	Role of fluorine in two-dimensional dichalcogenide of SnSe. <i>Scientific Reports</i> , 2018, 8, 1645. DOI: 10.1038/s41598-018-21645-1	3.3	9
9	$\text{Cu}_2(\text{Sn}_x\text{Ge}_{1-x})\text{S}_3$ solar cells prepared via co-evaporation and annealing in germanium sulfide and sulfur vapor. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2017, 14, . DOI: 10.1002/pssc.201700143	0.8	10
10	Annealing temperature dependence of photovoltaic properties of solar cells containing Cu_2SnS_3 thin films produced by co-evaporation. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1239-1243. DOI: 10.1002/pssb.201510000	1.5	64
11	Donor-acceptor pair recombination luminescence from monoclinic Cu_2SnS_3 thin film. <i>Applied Physics Letters</i> , 2015, 107, . DOI: 10.1063/1.4914114	3.3	29
12	Fabrication of Cu_2SnS_3 thin-film solar cells with power conversion efficiency of over 4%. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KC06. DOI: 10.1063/1.4914114	1.5	125
13	Sulfurization temperature dependences of photovoltaic properties in Cu_2SnS_3 -based thin-film solar cells. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FW13. DOI: 10.1063/1.4914114	1.5	72
14	Influence of Sb inclusion on morphologies and carrier concentration properties of CTS thin films grown by sulfurization of Cu-Sn precursors. <i>Japanese Journal of Applied Physics</i> , 0, , . DOI: 10.1063/1.4914114	1.5	1
15	Elucidation of electrical properties of undoped and Sb-induced Cu_2SnS_3 (CTS) thin films and degradation properties on CTS thin films and solar cells by intentional proton irradiation. <i>Japanese Journal of Applied Physics</i> , 0, , . DOI: 10.1063/1.4914114	1.5	0