

# Ayaka Kanai

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Cu <sub>2</sub> SnS <sub>3</sub> thin-film solar cells with power conversion efficiency of over 4%. Japanese Journal of Applied Physics, 2015, 54, 08KC06.	1.5	125
2	Sulfurization temperature dependences of photovoltaic properties in Cu <sub>2</sub> SnS <sub>3</sub> -based thin-film solar cells. Japanese Journal of Applied Physics, 2014, 53, 05FW13.	1.5	72
3	Annealing temperature dependence of photovoltaic properties of solar cells containing Cu <sub>2</sub> SnS <sub>3</sub> thin films produced by co-evaporation. Physica Status Solidi (B): Basic Research, 2015, 252, 1239-1243.	1.5	64
4	Na induction effects for $\eta$ properties of Cu <sub>2</sub> SnS <sub>3</sub> (CTS) solar cells and fabrication of a CTS solar cell over-5.2% efficiency. Solar Energy Materials and Solar Cells, 2021, 231, 111315.	6.2	37
5	Donor-acceptor pair recombination luminescence from monoclinic Cu <sub>2</sub> SnS <sub>3</sub> thin film. Applied Physics Letters, 2015, 107, .	3.3	29
6	Emission properties of intrinsic and extrinsic defects in Cu <sub>2</sub> SnS <sub>3</sub> thin films and solar cells. Japanese Journal of Applied Physics, 2021, 60, 015504.	1.5	12
7	Cu <sub>2</sub> (Sn <sub>1-x</sub> Ge <sub>x</sub> )S <sub>3</sub> solar cells prepared via co-evaporation and annealing in germanium sulfide and sulfur vapor. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, .	0.8	10
8	Role of fluorine in two-dimensional dichalcogenide of SnSe 2. Scientific Reports, 2018, 8, 1645.	3.3	9
9	A comprehensive study on Cu <sub>2</sub> SnS <sub>3</sub> prepared by sulfurization of Cu-Sn sputtered precursor for thin-film solar cell applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 14577-14590.	2.2	8
10	Sulfurization of Cu <sub>2</sub> (Sn,Ge)S <sub>3</sub> thin films deposited by co-evaporation. Japanese Journal of Applied Physics, 2020, 59, SCCD01.	1.5	4
11	Effects of Ag on the carrier lifetime and efficiency of (Cu <sub>1-x</sub> Ag <sub>x</sub> ) <sub>2</sub> SnS <sub>3</sub> solar cells. Applied Physics Letters, 2019, 115, 081101.	1.5	4
12	Impact of Na and/or Sb on the CTS thin films and solar cell performance. Japanese Journal of Applied Physics, 2021, 60, 105506.	1.5	4
13	Effect of rapid thermal annealing on sprayed Cu <sub>2</sub> SnS <sub>3</sub> thin films for solar-cell application. Japanese Journal of Applied Physics, 2020, 59, 105503.	1.5	2
14	Influence of Sb inclusion on morphologies and carrier concentration properties of CTS thin films grown by sulfurization of Cu-Sn precursors. Japanese Journal of Applied Physics, 0, , .	1.5	1
15	Elucidation of electrical properties of undoped and Sb-induced Cu <sub>2</sub> SnS <sub>3</sub> (CTS) thin films and degradation properties on CTS thin films and solar cells by intentional proton irradiation. Japanese Journal of Applied Physics, 0, , .	1.5	0