

# Shigeru Nakatsuka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6529303/publications.pdf>

Version: 2024-02-01

12  
papers

99  
citations

1478505

6  
h-index

1474206

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

76  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bulk crystal growth and characterization of ZnSnP <sub>2</sub> compound semiconductor by flux method. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 520-523.	0.8	21
2	ZnSnP <sub>2</sub> solar cell with (Cd,Zn)S buffer layer: Analysis of recombination rates. Solar Energy Materials and Solar Cells, 2018, 174, 412-417.	6.2	18
3	Solar cells using bulk crystals of rare metal-free compound semiconductor ZnSnP <sub>2</sub> . Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600650.	1.8	15
4	Band offset at the heterojunction interfaces of CdS/ZnSnP <sub>2</sub> , ZnS/ZnSnP <sub>2</sub> , and In <sub>2</sub> S <sub>3</sub> /ZnSnP <sub>2</sub> . Journal of Applied Physics, 2016, 119, 193107.	2.5	13
5	Impact of Heterointerfaces in Solar Cells Using ZnSnP <sub>2</sub> Bulk Crystals. ACS Applied Materials & Interfaces, 2017, 9, 33827-33832.	8.0	13
6	ZnSnP <sub>2</sub> thin-film solar cell prepared by phosphidation method under optimized Zn/Sn atomic ratio of its absorbing layer. Current Applied Physics, 2017, 17, 557-564.	2.4	12
7	Fabrication of CdSnP <sub>2</sub> Thin Films by Phosphidation for Photovoltaic Application. ACS Applied Energy Materials, 2018, 1, 1635-1640.	5.1	3
8	Bandgap Control of ZnSnP <sub>2</sub> via phase transition between chalcopyrite and sphalerite. , 2015, , .		1
9	Impact of structure on carrier transport behavior at the interface between electrode and ZnSnP <sub>2</sub> &lt;inf>2&lt;/inf> absorber. , 2018, , .		1
10	A pn-junction between chalcopyrite phosphide semiconductors for photovoltaic application. Japanese Journal of Applied Physics, 2019, 58, 075508.	1.5	1
11	Formation Mechanism of InP Films by Phosphidation under Controlled Chemical Potential and Wetting Behavior. ACS Applied Electronic Materials, 2019, 1, 877-882.	4.3	1
12	Influence of hetero-interfaces on photovoltaic performance in solar cells based on ZnSnP <sub>2</sub> bulk crystal. , 2017, , .		0