

Shigeru Nakatsuka

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A pn-junction between chalcopyrite phosphide semiconductors for photovoltaic application. Japanese Journal of Applied Physics, 2019, 58, 075508. | 1.5 | 1 |
| 2 | 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 |
| 3 | Fabrication of CdSnP ₂ Thin Films by Phosphidation for Photovoltaic Application. ACS Applied Energy Materials, 2018, 1, 1635-1640. | 5.1 | 3 |
| 4 | ZnSnP ₂ 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 |
| 5 | Impact of structure on carrier transport behavior at the interface between electrode and ZnSnP ₂ absorber. , 2018, , . | | 1 |
| 6 | ZnSnP ₂ 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 | Impact of Heterointerfaces in Solar Cells Using ZnSnP ₂ Bulk Crystals. ACS Applied Materials & Interfaces, 2017, 9, 33827-33832. | 8.0 | 13 |
| 8 | Solar cells using bulk crystals of rare metal-free compound semiconductor ZnSnP ₂ . Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600650. | 1.8 | 15 |
| 9 | Influence of hetero-interfaces on photovoltaic performance in solar cells based on ZnSnP ₂ bulk crystal. , 2017, , . | | 0 |
| 10 | Band offset at the heterojunction interfaces of CdS/ZnSnP ₂ , ZnS/ZnSnP ₂ , and In ₂ S ₃ /ZnSnP ₂ . Journal of Applied Physics, 2016, 119, 193107. | 2.5 | 13 |
| 11 | Bulk crystal growth and characterization of ZnSnP ₂ compound semiconductor by flux method. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 520-523. | 0.8 | 21 |
| 12 | Bandgap Control of ZnSnP ₂ via phase transition between chalcopyrite and sphalerite. , 2015, , . | | 1 |