

Ryoji Katsube

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

105
citations

1307594

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h-index

1372567

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19
all docs

19
docs citations

19
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Sb, As, and P doping in Cd-rich CdTe single crystals: Doping properties, persistent photoconductivity, and long-term stability. Applied Physics Letters, 2020, 116, .	3.3	18
2	Experimental Establishment of Phase Diagrams Guided by Uncertainty Sampling: An Application to the Deposition of Zn ₃ SnP Films by Molecular Beam Epitaxy. , 2020, 2, 571-575.		13
3	Growth and characterization of indium-doped Zn ₃ P ₂ bulk crystals. Japanese Journal of Applied Physics, 2016, 55, 041201.	1.5	12
4	Growth and characterization of Cu ₂ ZnSn(S Se _{1-x}) ₄ single crystal grown by traveling heater method. Journal of Crystal Growth, 2015, 423, 9-15.	1.5	11
5	Reactive Epitaxial Formation of a Mg ₃ P ₂ Zn Ternary Semiconductor in Mg/Zn ₃ P ₂ Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 36102-36107.	8.0	11
6	Acceleration of phase diagram construction by machine learning incorporating Gibbs' phase rule. Scripta Materialia, 2022, 208, 114335.	5.2	9
7	Performance enhancement of ZnSnP ₂ solar cells by a Cu ₃ P back buffer layer. Solar Energy Materials and Solar Cells, 2021, 221, 110891.	6.2	8
8	Preparation of a CuGaSe ₂ single crystal and its photocathodic properties. RSC Advances, 2020, 10, 40310-40315.	3.6	7
9	Orientation of Zn ₃ P ₂ via phosphidation of Zn precursors. Journal of Crystal Growth, 2017, 459, 95-99.		
10	Machine-Learning-Based phase diagram construction for high-throughput batch experiments. Science and Technology of Advanced Materials Methods, 2022, 2, 153-161.	1.3	3
11	Experimental investigation of phase equilibria around a ternary compound semiconductor Mg(Mg) _{1-x} ETQq ₁ 1 0.784314 rgBT /Overlook 120983.	2.9	2
12	Optical and Electrical Transport Evaluations of n-Type Iron Pyrite Single Crystals. ACS Omega, 2021, 6, 31358-31365.	3.5	2
13	Synthesis of alkaline-earth Zintl phosphides (M) ₂ Zn ₂ P ₂ (M = Ca, Sr) Tj ETQq ₁ 1 0.784314 rgBT 1.4 2		
14	Thermodynamic considerations on interfacial reactivity concerning carrier transport characteristics in metal/p-Zn ₃ P ₂ junctions. Journal of Materials Chemistry C, 2017, 5, 5538-5543.	5.5	1
15	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
16	Deep level transient spectroscopy and photoluminescence studies of hole and electron traps in ZnSnP ₂ bulk crystals. Japanese Journal of Applied Physics, 2022, 61, 020905.	1.5	1
17	Ternary phosphide semiconductor in solar cells. , 2017, , .		0
18	Investigation on Phase Equilibria in the Mg-P-Zn system Concerning Mg(Mg _{1-x} ETQq ₁) ₂ /Zn ₃ P ₂ /P ₂ Photovoltaics. , 2018, , .		

#	ARTICLE	IF	CITATIONS
19	Improvement of Ohmic Behavior of Back Contact in ZnSnP ₂ Solar Cells by Inserting Cu ₃ P., 2019, , .		0