

Rajrupa Paul

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nanoscale Growth Initiation as a Pathway to Improve the Earth-Abundant Absorber Zinc Phosphide. ACS Applied Energy Materials, 2022, 5, 5298-5306.	2.5	3
2	Showcasing the optical properties of monocrystalline zinc phosphide thin films as an earth-abundant photovoltaic absorber. Materials Advances, 2022, 3, 1295-1303.	2.6	7
3	Towards defect-free thin films of the earth-abundant absorber zinc phosphide by nanopatterning. Nanoscale Advances, 2021, 3, 326-332.	2.2	13
4	van der Waals Epitaxy of Co _{10x} Zn _{10y} Mn _{x+y} Thin Films: Chemical Composition Engineering and Magnetic Properties. Journal of Physical Chemistry C, 2021, 125, 9391-9399.	1.5	1
5	The path towards 1 Åm monocrystalline Zn ₃ P ₂ films on InP: substrate preparation, growth conditions and luminescence properties. JPhys Energy, 2021, 3, 034011.	2.3	8
6	Modeling the Shape Evolution of Selective Area Grown Zn ₃ P ₂ Nanoislands. Crystal Growth and Design, 2021, 21, 4732-4737.	1.4	1
7	Raman spectroscopy and lattice dynamics calculations of tetragonally-structured single crystal zinc phosphide (Zn ₃ P ₂) nanowires. Nanotechnology, 2021, 32, 085704.	1.3	10
8	Rotated domains in selective area epitaxy grown Zn ₃ P ₂ : formation mechanism and functionality. Nanoscale, 2021, 13, 18441-18450.	2.8	7
9	Raman tensor of zinc-phosphide (Zn ₃ P ₂): from polarization measurements to simulation of Raman spectra. Physical Chemistry Chemical Physics, 2021, 24, 63-72.	1.3	3
10	Multiple morphologies and functionality of nanowires made from earth-abundant zinc phosphide. Nanoscale Horizons, 2020, 5, 274-282.	4.1	15
11	Heterotwin Zn ₃ P ₂ superlattice nanowires: the role of indium insertion in the superlattice formation mechanism and their optical properties. Nanoscale, 2020, 12, 22534-22540.	2.8	7
12	van der Waals Epitaxy of Earth-Abundant Zn ₃ P ₂ on Graphene for Photovoltaics. Crystal Growth and Design, 2020, 20, 3816-3825.	1.4	24