

Mahdi Zamani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

149
citations

6
h-index

12
g-index

15
ext. papers

208
ext. citations

6.9
avg, IF

2.64
L-index

#	Paper	IF	Citations
14	Showcasing the optical properties of monocrystalline zinc phosphide thin films as an earth-abundant photovoltaic absorber.. <i>Materials Advances</i> , 2022 , 3, 1295-1303	3.3	0
13	Raman tensor of zinc-phosphide (ZnP): from polarization measurements to simulation of Raman spectra. <i>Physical Chemistry Chemical Physics</i> , 2021 ,	3.6	1
12	Rotated domains in selective area epitaxy grown ZnP: formation mechanism and functionality. <i>Nanoscale</i> , 2021 , 13, 18441-18450	7.7	1
11	Raman spectroscopy and lattice dynamics calculations of tetragonally-structured single crystal zinc phosphide (ZnP) nanowires. <i>Nanotechnology</i> , 2021 , 32, 085704	3.4	6
10	The path towards 1 μ m monocrystalline Zn ₃ P ₂ films on InP: substrate preparation, growth conditions and luminescence properties. <i>JPhys Energy</i> , 2021 , 3, 034011	4.9	3
9	Modeling the Shape Evolution of Selective Area Grown Zn ₃ P ₂ Nanoislands. <i>Crystal Growth and Design</i> , 2021 , 21, 4732-4737	3.5	0
8	Towards defect-free thin films of the earth-abundant absorber zinc phosphide by nanopatterning. <i>Nanoscale Advances</i> , 2021 , 3, 326-332	5.1	9
7	van der Waals Epitaxy of Earth-Abundant Zn ₃ P ₂ on Graphene for Photovoltaics. <i>Crystal Growth and Design</i> , 2020 , 20, 3816-3825	3.5	16
6	Multiple morphologies and functionality of nanowires made from earth-abundant zinc phosphide. <i>Nanoscale Horizons</i> , 2020 , 5, 274-282	10.8	13
5	Heterotwin ZnP superlattice nanowires: the role of indium insertion in the superlattice formation mechanism and their optical properties. <i>Nanoscale</i> , 2020 , 12, 22534-22540	7.7	3
4	3D Ordering at the Liquid-Solid Polar Interface of Nanowires. <i>Advanced Materials</i> , 2020 , 32, e2001030	24	5
3	Questioning liquid droplet stability on nanowire tips: from theory to experiment. <i>Nanotechnology</i> , 2019 , 30, 285604	3.4	9
2	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018 , 18, 2666-2671	11.5	61
1	Optimizing the yield of A-polar GaAs nanowires to achieve defect-free zinc blende structure and enhanced optical functionality. <i>Nanoscale</i> , 2018 , 10, 17080-17091	7.7	22