Elias Z Stutz

List of Publications by Year in Descending Order

15 papers	148 citations	6 h-index	12 g-index
17 ext. papers	183 ext. citations	6.6 avg, IF	2.75 L-index

#	Paper	IF	Citations
15	Showcasing the optical properties of monocrystalline zinc phosphide thin films as an earth-abundant photovoltaic absorber.. *Materials Advances*, **2022**, 3, 1295-1303	3.3	0
14	Raman tensor of zinc-phosphide (ZnP): from polarization measurements to simulation of Raman spectra. *Physical Chemistry Chemical Physics*, **2021**,	3.6	1
13	Rotated domains in selective area epitaxy grown ZnP: formation mechanism and functionality. *Nanoscale*, **2021**, 13, 18441-18450	7.7	1
12	The Advantage of Nanowire Configuration in Band Structure Determination (Adv. Funct. Mater. 41/2021). *Advanced Functional Materials*, **2021**, 31, 2170305	15.6	
11	Raman spectroscopy and lattice dynamics calculations of tetragonally-structured single crystal zinc phosphide (ZnP) nanowires. *Nanotechnology*, **2021**, 32, 085704	3.4	6
10	The path towards 1 μm monocrystalline Zn3P2 films on InP: substrate preparation, growth conditions and luminescence properties. *JPhys Energy*, **2021**, 3, 034011	4.9	3
9	Modeling the Shape Evolution of Selective Area Grown Zn3P2 Nanoislands. *Crystal Growth and Design*, **2021**, 21, 4732-4737	3.5	0
8	Towards defect-free thin films of the earth-abundant absorber zinc phosphide by nanopatterning. *Nanoscale Advances*, **2021**, 3, 326-332	5.1	9
7	The Advantage of Nanowire Configuration in Band Structure Determination. *Advanced Functional Materials*, **2021**, 31, 2105426	15.6	2
6	van der Waals Epitaxy of Earth-Abundant Zn3P2 on Graphene for Photovoltaics. *Crystal Growth and Design*, **2020**, 20, 3816-3825	3.5	16
5	Multiple morphologies and functionality of nanowires made from earth-abundant zinc phosphide. *Nanoscale Horizons*, **2020**, 5, 274-282	10.8	13
4	Heterotwin ZnP superlattice nanowires: the role of indium insertion in the superlattice formation mechanism and their optical properties. *Nanoscale*, **2020**, 12, 22534-22540	7.7	3
3	Thermodynamic re-assessment of the Zn-P binary system. *Materialia*, **2019**, 6, 100301	3.2	10
2	Nanosails Showcasing Zn3As2 as an Optoelectronic-Grade Earth Abundant Semiconductor. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1900084	2.5	7
1	Chemical Bath Deposition of p-Type Transparent, Highly Conducting (CuS)x:(ZnS)1-x Nanocomposite Thin Films and Fabrication of Si Heterojunction Solar Cells. *Nano Letters*, **2016**, 16, 1925-32	11.5	77