Valerio Piazza

List of Publications by Year
in descending order

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17	273	933264 10	996849 15
papers	citations	h-index	g-index

17	17	17	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale Mapping of Light Emission in Nanospade-Based InGaAs Quantum Wells Integrated on Si(100): Implications for Dual Light-Emitting Devices. ACS Applied Nano Materials, 2022, 5, 5508-5515.	2.4	0
2	Strain induced lifting of the charged exciton degeneracy in monolayer MoS₂ on a GaAs nanomembrane. 2D Materials, 2022, 9, 045006.	2.0	4
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	Doping challenges and pathways to industrial scalability of IIIâ€“V nanowire arrays. Applied Physics Reviews, 2021, 8, .	5.5	32
5	Simultaneous Selective Area Growth of Wurtzite and Zincblende Self-Catalyzed GaAs Nanowires on Silicon. Nano Letters, 2021, 21, 3139-3145.	4.5	18
6	Controlled solution-based fabrication of perovskite thin films directly on conductive substrate. Thin Solid Films, 2021, 733, 138806.	0.8	5
7	Correlated optical and electrical analyses of inhomogeneous core/shell InGaN/GaN nanowire light emitting diodes. Nanotechnology, 2021, 32, 105202.	1.3	6
8	Characterisation of Semiconductor Nanowires by Electron Beam Induced Microscopy and Cathodoluminescence. , 2021, , 251-288.		0
9	Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications. Nanotechnology, 2020, 31, 145708.	1.3	14
10	Nanoscale analysis of electrical junctions in InGaP nanowires grown by template-assisted selective epitaxy. Applied Physics Letters, 2019, 114, .	1.5	10
11	Investigation of GaN nanowires containing AlN/GaN multiple quantum discs by EBIC and CL techniques. Nanotechnology, 2019, 30, 214006.	1.3	5
12	Growth optimization and characterization of regular arrays of GaAs/AlGaAs core/shell nanowires for tandem solar cells on silicon. Nanotechnology, 2019, 30, 084005.	1.3	16
13	Towards Nanowire Tandem Junction Solar Cells on Silicon. IEEE Journal of Photovoltaics, 2018, 8, 733-740.	1.5	53
14	Nanoscale investigation of a radial pâ€“n junction in self-catalyzed GaAs nanowires grown on Si (111). Nanoscale, 2018, 10, 20207-20217.	2.8	10
15	Surface potential investigation on interdigitated back contact solar cells by Scanning Electron Microscopy and Kelvin Probe Force Microscopy: Effect of electrical bias. Solar Energy Materials and Solar Cells, 2017, 161, 263-269.	3.0	7
16	Comprehensive analyses of coreâ€“shell InGaN/GaN single nanowire photodiodes. Journal Physics D: Applied Physics, 2017, 50, 484001.	1.3	14
17	Flexible Photodiodes Based on Nitride Core/Shell pâ€“n Junction Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 26198-26206.	4.0	66