Pankul Dhingra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3937513/publications.pdf

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15	245	1040056 9	1199594 12
papers	citations	h-index	g-index

15	15	15	461
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2.0â€“2.2ÂeV AlGaInP solar cells grown by molecular beam epitaxy. Solar Energy Materials and Solar Cells, 2021, 219, 110774.	6.2	11
2	Graded buffer Bragg reflectors with high reflectivity and transparency for metamorphic optoelectronics. Journal of Applied Physics, 2021, 129, 173102.	2.5	9
3	Comparison of 1.9 eV InGaP front- and rear-junction solar cells grown on Si. , 2021, , .		0
4	Reducing the dependence of threading dislocation density on doping for GaAsP/GaP on Si. , 2021, , .		0
5	Low-threshold InP quantum dot and InGaP quantum well visible lasers on silicon (001). Optica, 2021, 8, 1495.	9.3	10
6	Challenges of relaxed n-type GaP on Si and strategies to enable low threading dislocation density. Journal of Applied Physics, 2021, 130, 243104.	2.5	5
7	Current-Matched IIIâ€“V/Si Epitaxial Tandem Solar Cells with 25.0% Efficiency. Cell Reports Physical Science, 2020, 1, 100208.	5.6	36
8	InP quantum dots for dislocation-tolerant, visible light emitters on Si. Applied Physics Letters, 2020, 117, .	3.3	8
9	Relaxed GaP on Si with low threading dislocation density. Applied Physics Letters, 2020, 116, 042102.	3.3	14
10	Enhanced room temperature infrared LEDs using monolithically integrated plasmonic materials. Optica, 2020, 7, 1355.	9.3	9
11	Effects of Graded Buffer Design and Active Region Structure on GaAsP Single-Junction Solar Cells Grown on GaP/Si Templates. , 2020, , .		1
12	20%-efficient epitaxial GaAsP/Si tandem solar cells. Solar Energy Materials and Solar Cells, 2019, 202, 110144.	6.2	33
13	High-Quality GaAs Planar Coalescence over Embedded Dielectric Microstructures Using an All-MBE Approach. Crystal Growth and Design, 2019, 19, 3085-3091.	3.0	10
14	Holeâ€Transporting Materials for Perovskiteâ€Sensitized Solar Cells. Energy Technology, 2016, 4, 891-938.	3.8	50
15	Towards toxicity removal in lead based perovskite solar cells by compositional gradient using manganese chloride. Journal of Materials Chemistry C, 2016, 4, 3101-3105.	5.5	49