

Pankul Dhingra

List of Publications by Year in descending order

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

Version: 2024-02-01

15
papers

245
citations

1040056

9
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

461
citing authors

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