

Vishal Jain

List of Publications by Year in descending order

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11
papers

339
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanowire photodetectors with embedded quantum heterostructures for infrared detection. <i>Infrared Physics and Technology</i> , 2019, 96, 209-212.	2.9	6
2	Intersubband Quantum Disc-in-Nanowire Photodetectors with Normal-Incidence Response in the Long-Wavelength Infrared. <i>Nano Letters</i> , 2018, 18, 365-372.	9.1	34
3	Bias-dependent spectral tuning in InP nanowire-based photodetectors. <i>Nanotechnology</i> , 2017, 28, 114006.	2.6	10
4	Room-temperature InP/InAsP Quantum Discs-in-Nanowire Infrared Photodetectors. <i>Nano Letters</i> , 2017, 17, 3356-3362.	9.1	36
5	InP/InAsP Nanowire-Based Spatially Separate Absorption and Multiplication Avalanche Photodetectors. <i>ACS Photonics</i> , 2017, 4, 2693-2698.	6.6	27
6	Radial Nanowire Light-Emitting Diodes in the (Al _x Ga _{1-x}) _y In _{1-y} P Material System. <i>Nano Letters</i> , 2016, 16, 656-662.	9.1	37
7	A Comparative Study of Absorption in Vertically and Laterally Oriented InP Core-Shell Nanowire Photovoltaic Devices. <i>Nano Letters</i> , 2015, 15, 1809-1814.	9.1	57
8	Strong Schottky barrier reduction at Au-catalyst/GaAs-nanowire interfaces by electric dipole formation and Fermi-level unpinning. <i>Nature Communications</i> , 2014, 5, 3221.	12.8	54
9	Study of photocurrent generation in InP nanowire-based p+-i-n+ photodetectors. <i>Nano Research</i> , 2014, 7, 544-552.	10.4	37
10	Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19025-19031.	3.1	40
11	The role of tunneling barrier modification for the saturation current of carbon nanotube field emission in strong electric field. <i>Chemical Physics Letters</i> , 2011, 502, 194-197.	2.6	1