Vishal Jain

List of Publications by Year
in descending order

11	339	1040056 9	1281871 11
papers	citations	h-index	g-index

11	11	11	678
all docs	docs citations	times ranked	citing authors

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