Ashraful Hossain Howlader

List of Publications by Year
in descending order

14	46	1937685 4	1720034 7
papers	citations	h-index	g-index

15	15	15	43
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vacancy and curvature effects on the phonon properties of single wall carbon nanotube. Japanese Journal of Applied Physics, 2018, 57, 02CB08.	1.5	9
2	Carbon Nanomaterials for Halide Perovskitesâ€Based Hybrid Photodetectors. Advanced Materials Technologies, 2020, 5, 2000643.	5.8	9
3	Phonon transmission of vacancy disordered armchair silicene nanoribbon. Optoelectronics Letters, 2021, 17, 454-458.	0.8	5
4	Comparative investigation into polarization field-dependent internal quantum efficiency of semipolar InGaN green light-emitting diodes: A strategy to mitigate green gap phenomenon. Materials Today Communications, 2022, 31, 103705.	1.9	5
5	Phonon localization in single wall carbon nanotube: Combined effect of 13C isotope and vacancies. Journal of Applied Physics, 2020, 128, 045108.	2.5	4
6	Phonon transmission of vacancy defected (10,0) carbon nanotube. , 2017, , .		3
7	Numerical Investigation into Optoelectronic Performance of InGaN Blue Laser in Polar, Non-Polar and Semipolar Crystal Orientation. Crystals, 2020, 10, 1033.	2.2	3
8	Numerical investigation into optical and electronic performance of crystal orientation-dependent InGaAs/InP near-infrared laser. Results in Physics, 2021, 26, 104353.	4.1	3
9	Length dependent thermal conduction in germanene/stanene heterobilayer by using molecular dynamics simulations. , 2021, , .		2
10	A Study on Phonon Transmission of (10,0) Silicon Nanotube with Atomic Vacancies. , 2018, , .		1
11	Key photovoltaic parameters of organohalide lead perovskite quantum dot intermediate band solar cell: A numerical investigation. Materials Today Communications, 2021, 29, 102884.	1.9	1
12	Localization of the Optical Phonon Modes in Boron Nitride Nanotubes: Mixing Effect of ¹⁰B Isotopes and Vacancies. ACS Omega, 2022, 7, 26591-26600.	3.5	1
13	Designing of a high birefringent octagonal photonic crystal fiber for sensing applications. , 2017, , .		0
14	Vacancy Induced Structural and Electronic Properties of Two Dimensional Stanene: A First Principles Investigation. , 2019, , .		0