

Prasanta Kumar Patra

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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1937685

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10
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Induced magnetic states upon electronâ€“hole injection at B and N sites of hexagonal boron nitride bilayer: A <sc>density functional theory</sc> study. International Journal of Quantum Chemistry, 2021, 121, e26680.	2.0	27
2	Enhanced H₂ Storage Capacity of Bilayer Hexagonal Boron Nitride (h-BN) Incorporating van der Waals Interaction under an Applied External Electric Field. ACS Omega, 2021, 6, 22374-22382.	3.5	17
3	Hydrogen Storage in Bilayer Hexagonal Boron Nitride: A First-Principles Study. ACS Omega, 2021, 6, 30362-30370.	3.5	16
4	A theoretical investigation of electronic and optical properties of (6,1) single-wall carbon nanotube (SWCNT). Carbon Letters, 2021, 31, 441-448.	5.9	15
5	Measurement of elastic modulus of CNT composites: a nondestructive study. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-7.	2.1	6
6	Electronic and mechanical properties of (6,1) single-walled carbon nanotubes with different tube diameters: a theoretical study. Carbon Letters, 2022, 32, 451-460.	5.9	6
7	N-doped direction-dependent electronic and mechanical properties of single-walled carbon nanotube (SWCNT) from a first-principles density functional theory (DFT) and MD-simulation. Journal of Molecular Graphics and Modelling, 2022, 111, 108111.	2.4	6
8	Electronic Properties of Hydrogenated Hexagonal Boron Nitride (h-BN): DFT Study. Senhri Journal of Multidisciplinary Studies, 2019, 4, 72-79.	0.1	4
9	Buckling behavior of nonuniform carbon nanotubes using nonlocal elasticity theory and the differential transformation method. International Nano Letters, 2021, 11, 25-34.	5.0	3
10	PHOTOFIELD EMISSION CALCULATIONS BY USING PROJECTION OPERATOR METHOD. Modern Physics Letters B, 2007, 21, 1501-1507.	1.9	1