Manoj Tripathy

List of Publications by Year
in descending order

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18 papers	590 citations	1040056 9 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	795 citing authors

#	Article	IF	Citations
1	Alkali-Metal-Induced Enhancement of Hydrogen Adsorption in C₆₀ Fullerene:â€‰ An ab Initio Study. Nano Letters, 2008, 8, 13-19.	9.1	335
2	Static dipole polarizability and binding energy of sodium clusters Nanâ€Š(n=1â€“10): A critical assessment of all-electron based post Hartreeâ€“Fock and density functional methods. Journal of Chemical Physics, 2004, 120, 6487-6494.	3.0	58
3	Beyond the Goldâ€“Hydrogen Analogy: Doping Gold Cluster with H-atomâ€“O₂ Activation and Reduction of the Reaction Barrier for CO Oxidation. Journal of Physical Chemistry Letters, 2011, 2, 1476-1480.	4.6	42
4	Enhanced Catalytic Activity of Ag/Rh Bimetallic Nanomaterial: Evidence of an Ensemble Effect. Journal of Physical Chemistry C, 2016, 120, 5457-5467.	3.1	37
5	Remarkably enhanced direct dissolution of plutonium oxide in task-specific ionic liquid: insights from electrochemical and theoretical investigations. Chemical Communications, 2019, 55, 1474-1477.	4.1	22
6	Ab initio studies on the polarizability of lithium clusters: Some unusual results. International Journal of Quantum Chemistry, 2005, 105, 166-173.	2.0	21
7	DNA Baseâ€“Gold Nanocluster Complex as a Potential Catalyzing Agent: An Attractive Route for CO Oxidation Process. Journal of Physical Chemistry C, 2012, 116, 17063-17069.	3.1	20
8	Water dissociation on a gold cluster: the effect of carbon nanostructures as a substrate. RSC Advances, 2012, 2, 10262.	3.6	12
9	Phenanthroimidazole derivatives showing mild intramolecular charge transfer and high quantum yields and their applications in OLEDs. New Journal of Chemistry, 2021, 45, 16238-16247.	2.8	12
10	Theoretical investigations on Zundel cation present inside boron-nitride nanotubes: Effect of confinement and hydrogen bonding. Chemical Physics, 2015, 446, 127-133.	1.9	8
11	Effect of nano-confinement on the structure and properties of water clusters: An ab initio study. Journal of Chemical Sciences, 2020, 132, 1.	1.5	8
12	Reactivity Parameters and Substitution Effect in Organic Acids. Journal of Physical Chemistry A, 2020, 124, 3770-3777.	2.5	5
13	Nanoassembly of Dipolar Imidazoanthraquinone Derivatives Leading to Enhanced Hole Mobility. Journal of Physical Chemistry C, 2018, 122, 25804-25812.	3.1	4
14	Evidence for charge-induced dipole reaction in laser ionized van der Waals clusters: a case of Fe2+reacting with argon atoms inside a cluster. RSC Advances, 2014, 4, 2339-2345.	3.6	2
15	The exemplary role of nanoconfinement in the proton transfer from acids to ammonia. Physical Chemistry Chemical Physics, 2017, 19, 19869-19872.	2.8	2
16	Comparative Study of Exciton Dynamics in 9,9â€²-Bianthracene Nanoaggregates and Thin Films: Observation of Singletâ€“Singlet Annihilation-Mediated Triplet Exciton Formation. Journal of Physical Chemistry C, 0, , .	3.1	2
17	THEORETICAL STUDIES ON POLARIZABILITY OF ALKALI METAL CLUSTERS. , 2006, , 625-655.		0
18	Protonated water under hydrophobic nanoconfinement: An ab initio study. , 2013, , .		0