Amol B Rahane

List of Publications by Year
in descending order

12	220	1039406 9	1199166 12
papers	citations	h-index	g-index

12	12	12	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic Origin of the Stability of Transition-Metal-Doped B₁₄ Drum-Shaped Boron Clusters and Their Assembly into a Nanotube. Journal of Physical Chemistry C, 2017, 121, 10728-10742.	1.5	19
2	Analysis of the electron density features of small boron clusters and the effects of doping with C, P, Al, Si, and Zn: Magic B₇P and B₈Si clusters. Physica Scripta, 2016, 91, 053005.	1.2	13
3	Time dependent DFT investigation of the optical response in pristine and Gd doped Al2O3. RSC Advances, 2016, 6, 72537-72543.	1.7	1
4	B₈₄: a quasi-planar boron cluster stabilized with hexagonal holes. Nanoscale, 2015, 7, 4055-4062.	2.8	44
5	Carbon Doping in Boron Suboxide: Structure, Energetics, and Elastic Properties. Journal of the American Ceramic Society, 2015, 98, 2223-2233.	1.9	5
6	Lithium storage in amorphous TiNi hydride: Electrode for rechargeable lithium-ion batteries. Materials Chemistry and Physics, 2013, 141, 348-354.	2.0	15
7	Density Functional Calculations of the Structural and Electronic Properties of (Y2O3)n0,Â±1 Clusters with n = 1â€“10. Journal of Physical Chemistry A, 2013, 117, 5542-5550.	1.1	22
8	First Principles Calculations for Structural, Electronic, and Magnetic Properties of Gadolinium-Doped Alumina Clusters. Journal of Physical Chemistry C, 2012, 116, 6115-6126.	1.5	11
9	Structural and Electronic Properties of Neutral and Ionic (Ga₂O₃)_n Clusters with n = 1â€“10. Journal of Physical Chemistry C, 2012, 116, 2691-2701.	1.5	17
10	Optical Properties of Gallium Oxide Clusters from First-Principles Calculations. Journal of Physical Chemistry A, 2012, 116, 10559-10565.	1.1	11
11	Structural and Electronic Properties of (Al₂O₃)_n Clusters with n = 1â€“10 from First Principles Calculations. Journal of Physical Chemistry C, 2011, 115, 18111-18121.	1.5	60
12	Theoretical study of small clusters of manganese-doped gallium oxide: Mn(GaO) n and Mn2(GaO) n with nÂ=Â1â^'7. Journal of Nanoparticle Research, 2010, 12, 727-736.	0.8	2