Mohammad Kamfiroozi

List of Publications by Year
in descending order

14 papers	1,494 citations	623734 14 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	658 citing authors

#	Article	IF	Citations
1	B12N12 Nano-cage as Potential Sensor for NO2 Detection. Chinese Journal of Chemical Physics, 2012, 25, 60-64.	1.3	126
2	Cation-Ï€ interaction of alkali metal ions with C24 fullerene: a DFT study. Journal of Molecular Modeling, 2012, 18, 3535-3540.	1.8	81
3	Can aluminum nitride nanotubes detect the toxic NH3 molecules?. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1357-1360.	2.7	85
4	Energetic, structural, and electronic properties of hydrogenated Al12P12 nanocluster. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1436-1440.	2.7	37
5	Theoretical study of hydrogen adsorption on the B12P12 fullerene-like nanocluster. Computational Materials Science, 2012, 54, 115-118.	3.0	95
6	Interaction of small molecules (NO, H2, N2, and CH4) with BN nanocluster surface. Structural Chemistry, 2012, 23, 1567-1572.	2.0	103
7	A theoretical study of CO adsorption on aluminum nitride nanotubes. Structural Chemistry, 2012, 23, 653-657.	2.0	77
8	Benchmarking of ONIOM method for the study of NH3 dissociation at open ends of BNNTs. Journal of Molecular Modeling, 2012, 18, 1729-1734.	1.8	75
9	The H2 dissociation on the BN, AlN, BP and AlP nanotubes: a comparative study. Journal of Molecular Modeling, 2012, 18, 2343-2348.	1.8	111
10	A comparative study on the B12N12, Al12N12, B12P12 and Al12P12 fullerene-like cages. Journal of Molecular Modeling, 2012, 18, 2653-2658.	1.8	160
11	Theoretical study of aluminum nitride nanotubes for chemical sensing of formaldehyde. Sensors and Actuators B: Chemical, 2012, 161, 1025-1029.	7.8	248
12	Toxic CO detection by B12N12 nanocluster. Microelectronics Journal, 2011, 42, 1400-1403.	2.0	124
13	Computational study of CO and NO adsorption on magnesium oxide nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 546-549.	2.7	100
14	The effect of surface curvature of aluminum nitride nanotubes on the adsorption of NH3. Structural Chemistry, 2011, 22, 1261-1265.	2.0	72