

# Mohammad Kamfiroozi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12133824/publications.pdf>

Version: 2024-02-01

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	Theoretical study of aluminum nitride nanotubes for chemical sensing of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 1025-1029.	7.8	248
2	A comparative study on the B12N12, Al12N12, B12P12 and Al12P12 fullerene-like cages. <i>Journal of Molecular Modeling</i> , 2012, 18, 2653-2658.	1.8	160
3	B12N12 Nano-cage as Potential Sensor for NO <sub>2</sub> Detection. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 60-64.	1.3	126
4	Toxic CO detection by B12N12 nanocluster. <i>Microelectronics Journal</i> , 2011, 42, 1400-1403.	2.0	124
5	The H <sub>2</sub> dissociation on the BN, AlN, BP and AlP nanotubes: a comparative study. <i>Journal of Molecular Modeling</i> , 2012, 18, 2343-2348.	1.8	111
6	Interaction of small molecules (NO, H <sub>2</sub> , N <sub>2</sub> , and CH <sub>4</sub> ) with BN nanocluster surface. <i>Structural Chemistry</i> , 2012, 23, 1567-1572.	2.0	103
7	Computational study of CO and NO adsorption on magnesium oxide nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 546-549.	2.7	100
8	Theoretical study of hydrogen adsorption on the B12P12 fullerene-like nanocluster. <i>Computational Materials Science</i> , 2012, 54, 115-118.	3.0	95
9	Can aluminum nitride nanotubes detect the toxic NH <sub>3</sub> molecules?. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1357-1360.	2.7	85
10	Cation- $\pi$ interaction of alkali metal ions with C <sub>24</sub> fullerene: a DFT study. <i>Journal of Molecular Modeling</i> , 2012, 18, 3535-3540.	1.8	81
11	A theoretical study of CO adsorption on aluminum nitride nanotubes. <i>Structural Chemistry</i> , 2012, 23, 653-657.	2.0	77
12	Benchmarking of ONIOM method for the study of NH <sub>3</sub> dissociation at open ends of BNNTs. <i>Journal of Molecular Modeling</i> , 2012, 18, 1729-1734.	1.8	75
13	The effect of surface curvature of aluminum nitride nanotubes on the adsorption of NH <sub>3</sub> . <i>Structural Chemistry</i> , 2011, 22, 1261-1265.	2.0	72
14	Energetic, structural, and electronic properties of hydrogenated Al12P12 nanocluster. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1436-1440.	2.7	37