

# Somayeh F Rastegar

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

808  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-planar B36 boron cluster: a new potential basis for ammonia detection. <i>Journal of Molecular Modeling</i> , 2020, 26, 263.	1.8	5
2	DFT study of the CO <sub>2</sub> and CH <sub>4</sub> assisted adsorption on the surface of graphene. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2019, 232, 105-110.	1.7	37
3	TCNE-modified graphene as an adsorbent for N <sub>2</sub> O molecule: a DFT study. <i>Journal of Molecular Modeling</i> , 2017, 23, 352.	1.8	1
4	The electronic response of nano-sized tube of BeO to CO molecule: a density functional study. <i>Structural Chemistry</i> , 2015, 26, 809-814.	2.0	44
5	Physisorption to chemisorption transition of H <sub>2</sub> S on carbon nanocone induced by decoration of Be <sub>2</sub> O <sub>2</sub> cluster. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1099-1106.	2.2	26
6	Selective detection of F <sub>2</sub> in the presence of CO, N <sub>2</sub> , O <sub>2</sub> , and H <sub>2</sub> molecules using a ZnO nanocluster. <i>Monatshefte für Chemie</i> , 2015, 146, 1233-1239.	1.8	34
7	Ab initio studies of the interaction of formaldehyde with beryllium oxide nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 22-27.	2.7	106
8	Theoretical investigation on the selective detection of SO <sub>2</sub> molecule by AlN nanosheets. <i>Journal of Molecular Modeling</i> , 2014, 20, 2439.	1.8	41
9	DFT study of NH <sub>3</sub> adsorption on pristine, Ni- and Si-doped graphynes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2184-2190.	2.1	198
10	Response of Si- and Al-doped graphenes toward HCN: A computational study. <i>Applied Surface Science</i> , 2013, 265, 412-417.	6.1	151
11	DFT studies of acrolein molecule adsorption on pristine and Al-doped graphenes. <i>Journal of Molecular Modeling</i> , 2013, 19, 3733-3740.	1.8	48
12	NO <sub>2</sub> detection by nanosized AlN sheet in the presence of NH <sub>3</sub> : DFT studies. <i>Applied Surface Science</i> , 2013, 274, 217-220.	6.1	117