Mohammad Reza Abolhassani

List of Publications by Year
in descending order

16	299	1163117 8	940533 16
papers	citations	h-index	g-index

16	16	16	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic and optical properties of 2D graphene-like compounds titanium carbides and nitrides: DFT calculations. Solid State Communications, 2014, 195, 61-69.	1.9	177
2	An investigation of electronic and optical properties of InN nanosheet by first principle study. Optics Communications, 2017, 395, 293-300.	2.1	21
3	First principles study of effects of vacancies on electronic, magnetic and optical properties of InN nanosheet. Superlattices and Microstructures, 2017, 105, 99-109.	3.1	20
4	Spin transport properties in a double quantum ring with Rashba spin-orbit interaction. Journal of Applied Physics, 2013, 113, .	2.5	12
5	Density functional theory investigation of opto-electronic properties of thieno[3,4-b]thiophene and benzodithiophene polymer and derivatives and their applications in solar cell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 373-380.	3.9	11
6	An investigation of electronic and optical properties of TlN nanosheet and compare with TlN bulk (Wurtzite) by first principle. Optik, 2016, 127, 9367-9376.	2.9	11
7	First-principles study of the high-pressure suppression of magnetic moments in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeIn</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:ms Physical Review B, 2009, 80, .	3.2	9
8	Carâ€“Parrinello molecular dynamics study of the melting behaviors of n -atom (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 T graphene quantum dots. Chemical Physics Letters, 2017, 678, 177-185.	2.6	8
9	A Comparison of the~Structural, Electronic, Optical and Elastic Properties of Wurtzite, Zinc-Blende and Rock Salt TlN: A DFT Study. Acta Physica Polonica A, 2016, 130, 758-768.	0.5	7
10	Metallic modification of molybdenum disulfide monolayer via doping charge carriers: A DFT investigation. Chemical Physics Letters, 2017, 684, 158-163.	2.6	5
11	First-principles investigation of the thermodynamic properties of two-dimensional MoS 2. Chinese Journal of Physics, 2017, 55, 105-114.	3.9	5
12	Theoretical study of thieno-thiophene based low band gap copolymers and substituent effect on the optoelectronic properties of them. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 181, 24-29.	3.9	4
13	First-principles investigation of the effect of charged unit cell on the electronic structure of two-dimensional MoS2. Solid State Communications, 2017, 250, 64-69.	1.9	4
14	Size control of L12-FePt3 nanocrystals by spin-coating method. Iranian Physical Journal, 2016, 10, 251-257.	1.2	2
15	Influence of ligand-bridged substitution on the exchange coupling constant of chromium-wheels host complexes: a density functional theory study. Molecular Physics, 2018, 116, 1306-1319.	1.7	2
16	A molecular modelling study of the effects of pivalate ligand substitutions on the magnetic properties of chromium-wheels host complexes. Journal of Molecular Graphics and Modelling, 2019, 87, 41-47.	2.4	1