Murat Atis

List of Publications by Year in descending order

23 papers	543 citations	759233 12 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	617 citing authors

#	Article	IF	Citations
1	Determination of Complete Melting and Surface Premelting Points of Silver Nanoparticles by Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2013, 117, 12289-12298.	3.1	97
2	Some characteristic behavior of spin-1 Ising nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3547-3551.	2.1	63
3	Structure and energetic of Bn (n = 2â€“12) clusters: Electronic structure calculations. International Journal of Quantum Chemistry, 2007, 107, 729-744.	2.0	50
4	Molecular Dynamics Simulation of Sintering and Surface Premelting of Silver Nanoparticles. Materials Transactions, 2013, 54, 884-889.	1.2	49
5	Structural, spectral, optical and antimicrobial properties of synthesized 1-benzoyl-3-furan-2-ylmethyl-thiourea. Journal of Molecular Structure, 2013, 1048, 69-77.	3.6	39
6	Half-Metallic Ferrimagnetism in the Mn2NbAl Full-Heusler Compound: a First-Principles Study. Journal of Superconductivity and Novel Magnetism, 2016, 29, 187-192.	1.8	34
7	Structural, antimicrobial and computational characterization of 1-benzoyl-3-(5-chloro-2-hydroxyphenyl)thiourea. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 290-301.	3.9	31
8	Half-metallicity in the inverse Heusler Ti2RuSn alloy: A first-principles prediction. Journal of Magnetism and Magnetic Materials, 2017, 426, 473-478.	2.3	27
9	Boron-doped hydrogenated Al3 clusters: A material for hydrogen storage. Journal of Alloys and Compounds, 2016, 667, 275-281.	5.5	26
10	Density Functional Study of Physical and Chemical Properties of Nano Size Boron Clusters: Bn(n= 1320). Chinese Journal of Chemical Physics, 2009, 22, 380-388.	1.3	23
11	Magnetism and Half-Metallicity in the Fe2ZrP Heusler Alloy. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2573-2578.	1.8	20
12	Molecular dynamics simulation of melting behaviour of small gold clusters: AuNâ€‰(N=12â€“14). Physica Scripta, 2007, 75, 111-118.	2.5	17
13	STRUCTURE AND DYNAMICAL PROPERTIES OF AuN, N = 12â€“14 CLUSTERS: MOLECULAR DYNAMICS SIMULATION. International Journal of Modern Physics C, 2005, 16, 99-116.	1.7	11
14	Structures and melting of AgN(N= 7, 12â€“14) clusters. Modelling and Simulation in Materials Science and Engineering, 2005, 13, 1411-1432.	2.0	10
15	Ab initio search for global minimum structures of neutral and anionic hydrogenated Li5 clusters. Chemical Physics, 2013, 418, 14-21.	1.9	9
16	Search for the global minimum structures of AlB₃H₂_n(nâ€‰=â€‰0â€‰â^'â€‰6) clusters. Journal of Computational Chemistry, 2015, 36, 385-391.	3.8	9
17	Structural transformations in the carborane series: C B6â^'H6 (n= 0â€“6) upon substitution of boron by carbon. Inorganica Chimica Acta, 2016, 453, 626-632.	2.4	7
18	New organocobaloxime derivatives â€“ Synthesis, characterization, catalase-like activity and DFT studies. Journal of Organometallic Chemistry, 2014, 756, 10-18.	1.8	6

#	Article	IF	Citations
19	PARALLELIZATION OF A MOLECULAR DYNAMICS SIMULATION OF AN ION-SURFACE COLLISION SYSTEM: Arâ€“Ni(100). International Journal of Modern Physics C, 2005, 16, 969-990.	1.7	4
20	Stochastic search, fragmentation, electronic and reactivity properties of neutral and cationic hydrogenated Li6 clusters. Journal of Molecular Structure, 2014, 1065-1066, 65-73.	3.6	4
21	Structure, Ionization, and Fragmentation of Hydrogenated Aluminoboron Clusters: Al₂B₂H_{2n} (n=0â€6). ChemistrySelect, 2016, 1, 3804-3811.	1.5	3
22	Structural and computational characterization of 4â€²,4â€²,6â€²,6â€²-tetrachloro-3-(2-methoxyethyl)-3H,4H-spiro-1,3,2-benzoxaza phosphinine-2,2â€²- [1,3,5,2,4,6] triazatriphosphinine. Journal of Molecular Structure, 2016, 1117, 276-282.	1.6	3
23	Surface modification by 1â€‰keV ion impact: molecular dynamics study of an Ar+â€“Ni(1â€‰0â€‰0) collision system. Modelling and Simulation in Materials Science and Engineering, 2008, 16, 035003.	2.0	1