Silvete C Guerini

List of Publications by Year
in descending order

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40 papers	432 citations	933447 10 h-index	752698 20 g-index
40 all docs	40 docs citations	40 times ranked	645 citing authors

#	Article	IF	Citations
1	Chemical doping-induced gap opening and spin polarization in graphene. Physical Review B, 2008, 77, .	3.2	128
2	Electronic and Structural Properties of Oxygen-Doped BN Nanotubes. IEEE Nanotechnology Magazine, 2006, 5, 517-522.	2.0	54
3	Theoretical study of Si impurities in BN nanotubes. European Physical Journal B, 2004, 38, 515-518.	1.5	22
4	Pressure-induced phase transitions in multiferroic RbFe(MoO4)2â€”Raman scattering study. Journal of Solid State Chemistry, 2011, 184, 2812-2817.	2.9	21
5	Adsorption of triclosan on single wall carbon nanotubes: A first principle approach. Applied Surface Science, 2017, 403, 519-524.	6.1	21
6	Theoretical investigation of TiB2 nanotubes. Microelectronics Journal, 2003, 34, 495-497.	2.0	17
7	Lithium intercalation into single-wall carbon nanotube bundles. Microelectronics Journal, 2005, 36, 499-501.	2.0	17
8	Li-inserted carbon nanotube Raman scattering. Microelectronics Journal, 2005, 36, 1020-1022.	2.0	11
9	Electronic properties ofFeCl3-adsorbed single-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	11
10	A new insight into the LiFePO4 delithiation process. Solid State Ionics, 2006, 177, 1021-1025.	2.7	11
11	Energetic and electronic properties of BN nanotube bundle under pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 110-115.	1.5	11
12	Structural, electronic, and vibrational properties of BxNy (x +y = 6) clusters. International Journal of Quantum Chemistry, 2003, 95, 329-335.	2.0	10
13	A theoretical study of adsorbed non-metallic atoms on magnesium chloride monolayers. New Journal of Chemistry, 2019, 43, 7778-7783.	2.8	10
14	Systematic study of small BN clusters. European Physical Journal D, 2001, 16, 17-20.	1.3	9
15	Band-gap tunability of a (6,0) BN nanotube bundle under pressure:Ab initiocalculations. Physical Review B, 2009, 80, .	3.2	9
16	Pressure-induced phase transition on K2MoO4: A Raman scattering study and ab initio calculations. Journal of Solid State Chemistry, 2012, 196, 197-202.	2.9	9
17	Electronic properties of FeCl3 and CrO3 interacting with GaN nanotubes from density functional calculations. Journal of Molecular Modeling, 2018, 24, 192.	1.8	8
18	First-principles study of the(112Â¯0)hBNâˆ•(112Â¯)cBNinterface. Physical Review B, 2005, 71, .	3.2	6

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19	Li-insertion into carbon nanotubes: Experiment and theory. Vibrational Spectroscopy, 2007, 45, 103-107.	2.2	6
20	Theoretical investigation of the hBN(0001)/cBN(111) interface. Diamond and Related Materials, 2008, 17, 1963-1968.	3.9	5
21	B and N-doped double walled carbon nanotube: a theoretical study. Central European Journal of Physics, 2010, 8, 811-818.	0.3	5
22	Structural and Electronic Properties of GaN (0001)/Î±-Al₂O₃(0001) Interface. Advances in Condensed Matter Physics, 2015, 2015, 1-6.	1.1	5
23	Energetic and electronic properties of NH3, NO2 and SO2 interacting with GaN nanotube: a DFT study. Journal of Molecular Modeling, 2021, 27, 234.	1.8	5
24	Ab initio study of BN nanoarches' surfaces. Surface Science, 2004, 555, 179-186.	1.9	4
25	Theoretical investigation of BN armchair and zigzag nanoarch surfaces. Nanotechnology, 2006, 17, 556-560.	2.6	4
26	Vibrational properties of RbNd(WO₄)₂: high pressure Raman study, structural and phonon calculations. Journal of Physics Condensed Matter, 2011, 23, 405901.	1.8	4
27	Theoretical Study of Ascorbic Acid Interacting with C₆₁(COOH)₂ Complexes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 2176-2179.	0.4	3
28	Electronic properties of double wall BN nanotube under hydrostatic pressure: an ab initio study. European Physical Journal B, 2015, 88, 1.	1.5	2
29	Interaction of a methanol molecule with C60 under pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 151-155.	1.5	1
30	Theoretical study of NO3â^' interacting with carbon nanotube. Open Physics, 2008, 6, 105-108.	1.7	1
31	Electronic and energetic properties of FeCl3 and CrO3 interacting with single wall BN nanotube. Applied Surface Science, 2015, 349, 948-951.	6.1	1
32	Structural and electronic properties of FeCl₃ and CrO₃ interacting with GaP nanotubes from DFT calculations. New Journal of Chemistry, 2021, 45, 9483-9490.	2.8	1
33	Ab initio calculations of ascorbic acid interacting with C₆₁(COOH)₂ complex under pressure. Physica Status Solidi (B): Basic Research, 2009, 246, 473-476.	1.5	0
34	First Principles Study of Solid C₆₀ Intercalated by FeCl₃ and CrO₃. Journal of Computational and Theoretical Nanoscience, 2013, 10, 2445-2448.	0.4	0
35	Graphene nanoribbons production from flat carbon nanotubes. Journal of Applied Physics, 2015, 118, 184301.	2.5	0
36	Electronic properties modifications of single-wall boron nitride with lithium atom intercalation. Journal of Molecular Modeling, 2017, 23, 175.	1.8	0

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37	Ab initio Study of 17Î±-Ethinylestradiol and Estrone Molecules Interacting with Single Wall Carbon Nanotube. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
38	USO DE FONTE SONORA PARA PUBLICIDADE EM REGIÃƒO URBANA RESIDENCIAL. Revista Ensino Interdisciplinar, 2021, 7, 221-234.	0.0	0
39	REFLEXÃ•ES SOBRE A FORMAÃ‡ÃƒO INICIAL DE PROFESSORES DE FÃSICA NA UFMA. Revista De Ensino De CiÃªncias E MatemÃ¡tica, 2020, 11, 261-280.	0.1	0
40	Phenyl- and naphthyl-type heteroatom substitution blocks in naphthylene-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e883" altimg="si39.svg"><mml:mi>Î³</mml:mi></mml:math>: A DFT study. Computational Materials Science, 2022, 213, 111578.	3.0	0