Ronei Miotto

List of Publications by Year in descending order

48 papers	924 citations	516710 16 h-index	454955 30 g-index
48 all docs	48 docs citations	48 times ranked	1217 citing authors

#	Article	IF	Citations
1	Heat Generation in Magnetic Hyperthermia by Manganese Ferrite-Based Nanoparticles Arises from NÃ©el Collective Magnetic Relaxation. ACS Applied Nano Materials, 2022, 5, 7521-7539.	5.0	10
2	Effect of magnetic dipolar interactions on nanoparticle heating efficiency: Implications for cancer hyperthermia. Scientific Reports, 2013, 3, 2887.	3.3	309
3	Chain formation and aging process in biocompatible polydisperse ferrofluids: Experimental investigation and Monte Carlo simulations. Advances in Colloid and Interface Science, 2013, 191-192, 1-21.	14.7	37
4	Sulfur Radicals as Tethers for the Adsorption of Aromatic Molecules on Silicon Surface. Journal of Computational and Theoretical Nanoscience, 2012, 9, 541-548.	0.4	0
5	Semiconductor nanoparticle modeling via density functional theory. Journal of Physics Condensed Matter, 2011, 23, 045001.	1.8	3
6	Size effects on silver nanoparticlesâ€™ properties. Nanotechnology, 2011, 22, 275708.	2.6	19
7	Driving forces for the adsorption of cyclopentene on InP(001). Surface Science, 2011, 605, 824-830.	1.9	0
8	Adsorption structure of cyclopentene on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>InP</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>001</mml:mn> Physical Review B, 2009, 80, .	3.2	9
9	Furan interaction with the Si(001)-(2 Ã— 2) surface: structural, energetics, and vibrational spectra from first-principles. Journal of Physics Condensed Matter, 2009, 21, 055006.	1.8	1
10	The role of carbon impurities on the Si(0 0 1)-c(4 Ã— 4) surface reconstruction: Theoretical calculations. Surface Science, 2009, 603, 1229-1235.	1.9	3
11	A New Approach to the Prediction of Partition Coefficients in Water/Organic Interfaces. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1115-1119.	0.4	0
12	Role of surfactant molecules in magnetic fluid: Comparison of Monte Carlo simulation and electron magnetic resonance. Physical Review E, 2008, 78, 061507.	2.1	24
13	Comparative study of the adsorption and dissociation of vinylacetic acid and acrylic acid on silicon (001). Physical Review B, 2008, 77, .	3.2	4
14	A comparative study of ethylene oxide and diethylene dioxide adsorption on silicon (001). Surface Science, 2007, 601, 2576-2579.	1.9	4
15	Concentration effects on the grafting of magnetic nanoparticles by Monte Carlo simulations. Journal of Applied Physics, 2006, 99, 08S101.	2.5	3
16	Thionin adsorption on silicon (1â€‰0â€‰0): Structural analysis. Applied Surface Science, 2006, 253, 1978-1982.	6.1	4
17	Structure, energetics, and vibrational spectra of perylene adsorbed on Si(001): First-principles calculations compared with STM and HREELS. Physical Review B, 2006, 74, .	3.2	12
18	Mono-disperse ferrofluids clusterization: a Monte Carlo study. Journal of Magnetism and Magnetic Materials, 2005, 289, 230-233.	2.3	1

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19	Aggregate formation on polydisperse ferrofluids: A Monte Carlo analysis. Journal of Magnetism and Magnetic Materials, 2005, 293, 553-558.	2.3	33
20	Methanol adsorption on silicon (001). Surface Science, 2005, 575, 287-299.	1.9	29
21	Maleic anhydride adsorption on silicon (001). Journal of Chemical Physics, 2005, 123, 074708.	3.0	2
22	Acetonitrile adsorption on Si(001). Physical Review B, 2004, 69, .	3.2	14
23	A comparative study of the interaction of cyclopentene, cyclohexene, and 1,4-cyclohexadiene with the silicon () surface. Surface Science, 2004, 566-568, 713-718.	1.9	8
24	Adsorption and decomposition of acetone on Si(001). Applied Surface Science, 2004, 234, 185-189.	6.1	7
25	Oxygen adsorption on CdTe. Surface Science, 2003, 525, 24-32.	1.9	19
26	In-rich (4Ã—2) and (2Ã—4) reconstructions of the InAs(001) surface. Surface Science, 2003, 542, 101-111.	1.9	30
27	Ab initiostudy of theGaAs(001)â^'In(4Ã—2)surface. Physical Review B, 2003, 67, .	3.2	7
28	Adsorption ofNH3on Ge(001). Physical Review B, 2003, 68, .	3.2	5
29	Phonons on group-III nitride (110) surfaces. Physical Review B, 2002, 66, .	3.2	10
30	Zn-induced features at the GaAs(110) surface and its importance in the growth of ZnSe on GaAs(110). Applied Physics Letters, 2002, 81, 481-483.	3.3	0
31	Comparative study of the adsorption of C2H4 on the Si() and Ge() surfaces. Surface Science, 2002, 507-510, 12-17.	1.9	32
32	Phonons on GaN(110). Applied Physics Letters, 2002, 80, 3322-3324.	3.3	1
33	Acetylene adsorption on the Si(001) surface. Physical Review B, 2002, 65, .	3.2	48
34	A theoretical study of C2H2 adsorption on the Ge() surface. Surface Science, 2002, 513, 422-430.	1.9	15
35	Zn-induced features at the GaAs(110) surface: a first-principles study. Vacuum, 2002, 67, 31-35.	3.5	1
36	First-principles calculations of the adsorption and dissociation of PH3 on Si(0 0 1)-(2Ã—1). Surface Science, 2001, 482-485, 160-165.	1.9	8

#	Article	IF	Citations
37	A comparative study of surface phonons on CdTe(1 1 0) and InSb(1 1 0). Surface Science, 2001, 482-485, 580-586.	1.9	0
38	A comparative study of dissociative adsorption of NH3, PH3, and AsH3 on Si(001)â€“(2Ã—1). Journal of Chemical Physics, 2001, 114, 9549-9556.	3.0	51
39	IIIâ€“N(110) surface relaxation and its dependence on the chemical bonding. Solid State Communications, 2000, 115, 67-71.	1.9	17
40	Effects of gradient and non-linear core corrections on structural and electronic properties of GaN bulk and surfaces. Physica B: Condensed Matter, 2000, 292, 97-108.	2.7	7
41	Theoretical studies of the initial stages of Zn adsorption onGaAs(001)â^'(2Ã—4). Physical Review B, 2000, 62, 13623-13630.	3.2	19
42	Structure of Zn adsorption on GaAs(001)-(2Ã—4). Applied Physics Letters, 2000, 76, 3735-3737.	3.3	4
43	Dissociative adsorption of NF3 on Si(001)-(2Ã—1). Surface Science, 2000, 454-456, 152-156.	1.9	11
44	Phonons on II-VI (110) semiconductor surfaces. Physical Review B, 2000, 62, 15797-15805.	3.2	12
45	Role of generalized-gradient approximation in structural and electronic properties of bulk and surface ofÎ²-GaN and GaAs. Physical Review B, 1999, 59, 3008-3014.	3.2	24
46	The role of generalised gradient approximation in structural and electronic properties of bulk and surface of Î²-GaN and GaAs. Surface Science, 1999, 433-435, 377-381.	1.9	3
47	First-principles pseudopotential study of GaN and BN (110) surfaces. Surface Science, 1999, 426, 75-82.	1.9	24
48	Dissociative adsorption ofNH3onSi(001)â^'(2Ã—1). Physical Review B, 1998, 58, 7944-7949.	3.2	40