Nadia Binggeli

List of Publications by Year
in descending order

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26	1,211	471061	580395
papers	citations	17	25
		h-index	g-index

26	26	26	1203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elastic instability in Î±-quartz under pressure. Physical Review Letters, 1992, 69, 2220-2223.	2.9	134
2	A New Phase and Pressure Induced Amorphization in Silica. Physical Review Letters, 1998, 80, 2149-2152.	2.9	127
3	Simulation of Si clusters via Langevin molecular dynamics with quantum forces. Physical Review Letters, 1992, 68, 2956-2959.	2.9	115
4	Photoemission Spectra and Structures of Si Clusters at Finite Temperature. Physical Review Letters, 1995, 75, 493-496.	2.9	101
5	Pressure-induced amorphization, elastic instability, and soft modes in Î±-quartz. Physical Review B, 1994, 49, 3075-3081.	1.1	87
6	Abinitiomolecular-dynamics simulations of Si clusters using the higher-order finite-difference-pseudopotential method. Physical Review B, 1994, 50, 12234-12237.	1.1	84
7	Electronic properties of Î±-quartz under pressure. Physical Review B, 1991, 44, 4771-4777.	1.1	81
8	Structural transformation of quartz at high pressures. Nature, 1991, 353, 344-346.	13.7	80
9	Nanobubbles at GPa Pressure under Graphene. Nano Letters, 2015, 15, 6162-6169.	4.5	65
10	Langevin molecular dynamics with quantum forces: Application to silicon clusters. Physical Review B, 1994, 50, 11764-11770.	1.1	55
11	Band-offset trends in nitride heterojunctions. Physical Review B, 2001, 63, .	1.1	51
12	Temperature-Driven Reversible Rippling and Bonding of a Graphene Superlattice. ACS Nano, 2013, 7, 6955-6963.	7.3	47
13	Structural and bonding properties of solid tellurium from first-principles calculations. Physical Review B, 1994, 50, 9063-9071.	1.1	42
14	Structural properties and energetics of intrinsic and Si-doped GaAs nanowires: First-principles pseudopotential calculations. Physical Review B, 2010, 81, .	1.1	40
15	Band discontinuities in zinc-blende and wurtzite AlN/SiC heterostructures. Physical Review B, 1997, 55, R7418-R7426.	1.1	23
16	Structural and magnetic response of CrI3 monolayer to electric field. Physica B: Condensed Matter, 2019, 570, 166-171.	1.3	20
17	Influence of the interface atomic structure on the magnetic and electronic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review B, 2010, 82, .	1.1	18
18	First principles methods for structural trends in oxides: applications to crystalline silica. Journal of Alloys and Compounds, 1993, 197, 137-144.	2.8	8

#	Article	IF	Citations
19	Comment on â€œMagnetic skyrmions in atomic thin CrI3 monolayerâ€•[Appl. Phys. Lett. 114, 232402 (2019)]. Applied Physics Letters, 2020, 116, .	1.5	7
20	Câ€“Fe chains due to segregated carbon impurities on Fe(100). Surface Science, 2006, 600, 3884-3887.	0.8	6
21	Overcoming the asymmetry of the electron and hole doping for magnetic transitions in bilayer CrI₃. Nanoscale, 2021, 13, 9391-9401.	2.8	6
22	Strong chemisorption of CO₂ on B₁₀â€“B₁₃ planar-type clusters. Journal of Physics Condensed Matter, 2019, 31, 145504.	0.7	5
23	Band Offsets In GaN/AlN and AlN/SiC Heterojunctions. Materials Research Society Symposia Proceedings, 1997, 482, 916.	0.1	4
24	Modeling the properties of quartz with clusters. Solid State Communications, 1998, 107, 527-531.	0.9	3
25	Noncollinear magnetic structures of FeMn ultrathin films on Cu(001). Superlattices and Microstructures, 2016, 100, 767-779.	1.4	2
26	The Structural Properties of Silica Using Classical and Quantum Interatomic Forces. Topics in Molecular Organization and Engineering, 1997, , 1-37.	0.1	0