Riad Shaltaf

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8715479/publications.pdf

Version: 2024-02-01

21 papers	3,248 citations	759055 12 h-index	752573 20 g-index
22 all docs	22 docs citations	22 times ranked	4351 citing authors

#	Article	IF	Citations
1	ABINIT: First-principles approach to material and nanosystem properties. Computer Physics Communications, 2009, 180, 2582-2615.	3.0	2,297
2	Hybrid exchange-correlation functional for accurate prediction of the electronic and structural properties of ferroelectric oxides. Physical Review B, 2008, 77, .	1.1	315
3	Band Offsets at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Si</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi>SiO</mml:mi><mml:mn>2</mml:mn></mml:msub> from Many-Body Perturbation Theory. Physical Review Letters, 2008, 100, 186401.	2.9	154
4	Electronic and structural properties of a4dperovskite: Cubic phase ofSrZrO3. Physical Review B, 2003, 68, .	1.1	96
5	Electronic properties of interfaces and defects from manyâ€body perturbation theory: Recent developments and applications. Physica Status Solidi (B): Basic Research, 2011, 248, 275-289.	0.7	91
6	Dynamical, dielectric, and elastic properties of GeTe investigated with first-principles density functional theory. Physical Review B, 2008, 78, .	1.1	56
7	Monte Carlo computer simulation of copper clusters. Physical Review A, 1999, 60, 3053-3057.	1.0	48
8	Lattice dynamics and specific heat of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>-GeTe</mml:mtext></mml:mrow></mml:math>: Theoretical and experimental study. Physical Review B, 2009, 79, .	1.1	43
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>ZrO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>HfO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> and their interface with Si. Physical Review B, 2010, 81, .	1.1	35
10	Electronic structure of the chainlike compound TlSe. Physical Review B, 2004, 70, .	1.1	31
11	Polarization Vortices in Germanium Telluride Nanoplatelets: A Theoretical Study. Physical Review Letters, 2009, 103, 247601.	2.9	16
12	Cs adsorption on Si(001) surface: Anab initiostudy. Physical Review B, 2005, 72, .	1.1	12
13	Electronic properties of zircon and hafnon from many-body perturbation theory. Physical Review B, 2009, 79, .	1.1	12
14	Mg adsorption on Si(001) surface from first principles. Physical Review B, 2004, 69, .	1.1	11
15	Crystal structure, optical and electronic properties studies on an hybrid multifunctional MnCl4-based material. Advanced Composites and Hybrid Materials, 2019, 2, 373-380.	9.9	8
16	Structural, electronic, vibrational, and dielectric properties of LaBGeO5 from first principles. Journal of Applied Physics, 2014, 115, 074103.	1.1	7
17	Ab initio study of the one-monolayer Sb/Si(001) interface. Surface Science, 2003, 532-535, 661-665.	0.8	5
18	Ab-initio calculations of the electronic and magnetic structures of Co2Cr1â˜Mn Si alloys. Journal of Magnetism and Magnetic Materials, 2013, 336, 37-43.	1.0	5

#	Article	IF	Citations
19	Ab initio study of the one-monolayer Sb/Ge interface. Surface Science, 2004, 566-568, 956-960.	0.8	3
20	DFT study of Rb/Si(100)-2Ã—1 system. Surface Science, 2005, 583, 119-125.	0.8	3
21	Theoretical investigation of dielectric properties of rare earth stillwellite compounds. International Journal of Modern Physics B, 2015, 29, 1550154.	1.0	0