Hai Wang

List of Publications by Year
in descending order

26 papers	720 citations	623734 14 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	827 citing authors

#	Article	IF	Citations
1	BiS ₂ -Layer Gives Giant Birefringence: First-Principles Calculations. Chinese Physics Letters, 2016, 33, 057802.	3.3	0
2	Mechanical properties of TiN coatings studied via nanoindentation and nanoscratch test. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	1.2	4
3	Superlattice supertoughness of TiN/MN (M = V, Nb, Ta, Mo, and W): First-principles study. Thin Solid Films, 2016, 607, 59-66.	1.8	23
4	Layered Compounds AFBiS 2 : Superior Birefringent Crystals. Chinese Physics Letters, 2015, 32, 017801.	3.3	3
5	Giant Birefringence in Layered Compound LaOBiS 2. Chinese Physics Letters, 2014, 31, 047802.	3.3	8
6	Electronic, magnetic and dielectric properties of multiferroic MnTiO3. Journal of Materials Research, 2012, 27, 1421-1429.	2.6	17
7	Exchange interaction function for spin-lattice coupling in bcc iron. Physical Review B, 2010, 82, .	3.2	43
8	Effect of Mn Substitution for Fe in Multiferroic BiFeO₃: A First-Principles Study. Science of Advanced Materials, 2010, 2, 184-189.	0.7	17
9	Theoretical prediction on the structural, electronic, and polarization properties of tetragonal Bi2ZnTiO6. Journal of Applied Physics, 2009, 105, .	2.5	20
10	First-principles prediction of the hardness of fluorite TiO2. Physica B: Condensed Matter, 2009, 404, 79-81.	2.7	9
11	First-principles study on the electronic and optical properties of BiFeO3. Solid State Communications, 2009, 149, 641-644.	1.9	123
12	First-principles study of structural, electronic, and optical properties of. Solid State Communications, 2009, 149, 1849-1852.	1.9	47
13	Growth and optical properties of Zn:Ce:Cu:LiNbO3 single crystals. Solid-State Electronics, 2008, 52, 644-648.	1.4	2
14	First-principles study of the electronic and optical properties of lanthanide bromide. Thin Solid Films, 2008, 516, 7894-7898.	1.8	5
15	First-principles study of structural, elastic, electronic, and optical properties of hexagonal BiAlO3. Physica B: Condensed Matter, 2008, 403, 539-543.	2.7	73
16	First-principles study of structural, elastic, electronic, and optical properties of orthorhombic BiGaO3. Computational Materials Science, 2008, 42, 614-618.	3.0	38
17	Electronic structure and chemical bonding of Î±- and Î²-Ta₄AlC₃phases: Full-potential calculation. Journal of Materials Research, 2008, 23, 2350-2356.	2.6	13
18	INFLUENCE OF POST-TREATMENT ON OPTICAL PROPERTIES OF Sc:Ce:Cu:LiNbO3 CRYSTALS. Modern Physics Letters B, 2007, 21, 207-214.	1.9	2

#	Article	IF	Citations
19	First-principles study of the structure, electronic, and optical properties of orthorhombic BiInO3. Applied Physics Letters, 2007, 91, 071902.	3.3	23
20	The first-principles study of ferroelectric behaviours of PbTiO 3 /SrTiO 3 and BaTiO 3 /SrTiO 3 superlattices. Chinese Physics B, 2007, 16, 1780-1785.	1.3	12
21	First-principles study of the cubic perovskitesBiMO3(M=Al, Ga, In, and Sc). Physical Review B, 2007, 75, .	3.2	111
22	First-principles studies on the electronic and optical properties of CeCl3 and CeBr3. Solid State Communications, 2007, 144, 220-224.	1.9	11
23	First-principles study on the formation energies of intrinsic defects in LiNbO3. Journal of Physics and Chemistry of Solids, 2007, 68, 1336-1340.	4.0	35
24	Firstâ€principles study of the electronic structure and the associated magnetism of carbonâ€doped TiO₂. Physica Status Solidi - Rapid Research Letters, 2007, 1, 217-219.	2.4	19
25	Ab initio study of structural and electronic properties of BiAlO3 and BiGaO3. Physica B: Condensed Matter, 2007, 390, 96-100.	2.7	51
26	First-principle study of ferroelectricity in PbTiO3/SrTiO3 superlattices. Solid-State Electronics, 2006, 50, 1756-1760.	1.4	11