

Hai Wang

List of Publications by Year in descending order

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26
papers

720
citations

623734

14
h-index

580821

25
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26
all docs

26
docs citations

26
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles study on the electronic and optical properties of BiFeO ₃ . Solid State Communications, 2009, 149, 641-644.	1.9	123
2	First-principles study of the cubic perovskites BiMO ₃ (M=Al, Ga, In, and Sc). Physical Review B, 2007, 75, .	3.2	111
3	First-principles study of structural, elastic, electronic, and optical properties of hexagonal BiAlO ₃ . Physica B: Condensed Matter, 2008, 403, 539-543.	2.7	73
4	Ab initio study of structural and electronic properties of BiAlO ₃ and BiGaO ₃ . Physica B: Condensed Matter, 2007, 390, 96-100.	2.7	51
5	First-principles study of structural, electronic, and optical properties of. Solid State Communications, 2009, 149, 1849-1852.	1.9	47
6	Exchange interaction function for spin-lattice coupling in bcc iron. Physical Review B, 2010, 82, .	3.2	43
7	First-principles study of structural, elastic, electronic, and optical properties of orthorhombic BiGaO ₃ . Computational Materials Science, 2008, 42, 614-618.	3.0	38
8	First-principles study on the formation energies of intrinsic defects in LiNbO ₃ . Journal of Physics and Chemistry of Solids, 2007, 68, 1336-1340.	4.0	35
9	First-principles study of the structure, electronic, and optical properties of orthorhombic BiInO ₃ . Applied Physics Letters, 2007, 91, 071902.	3.3	23
10	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
11	Theoretical prediction on the structural, electronic, and polarization properties of tetragonal Bi ₂ ZnTiO ₆ . Journal of Applied Physics, 2009, 105, .	2.5	20
12	First-principles study of the electronic structure and the associated magnetism of carbon-doped TiO ₂ . Physica Status Solidi - Rapid Research Letters, 2007, 1, 217-219.	2.4	19
13	Electronic, magnetic and dielectric properties of multiferroic MnTiO ₃ . Journal of Materials Research, 2012, 27, 1421-1429.	2.6	17
14	Effect of Mn Substitution for Fe in Multiferroic BiFeO ₃ : A First-Principles Study. Science of Advanced Materials, 2010, 2, 184-189.	0.7	17
15	Electronic structure and chemical bonding of $\hat{\Gamma}_4^-$ - and $\hat{\Gamma}_2^-$ -Ta ₄ AlC ₃ phases: Full-potential calculation. Journal of Materials Research, 2008, 23, 2350-2356.	2.6	13
16	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
17	First-principle study of ferroelectricity in PbTiO ₃ /SrTiO ₃ superlattices. Solid-State Electronics, 2006, 50, 1756-1760.	1.4	11
18	First-principles studies on the electronic and optical properties of CeCl ₃ and CeBr ₃ . Solid State Communications, 2007, 144, 220-224.	1.9	11

#	ARTICLE	IF	CITATIONS
19	First-principles prediction of the hardness of fluorite TiO ₂ . Physica B: Condensed Matter, 2009, 404, 79-81.	2.7	9
20	Giant Birefringence in Layered Compound LaOBiS ₂ . Chinese Physics Letters, 2014, 31, 047802.	3.3	8
21	First-principles study of the electronic and optical properties of lanthanide bromide. Thin Solid Films, 2008, 516, 7894-7898.	1.8	5
22	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
23	Layered Compounds AFBiS ₂ : Superior Birefringent Crystals. Chinese Physics Letters, 2015, 32, 017801.	3.3	3
24	INFLUENCE OF POST-TREATMENT ON OPTICAL PROPERTIES OF Sc:Ce:Cu:LiNbO ₃ CRYSTALS. Modern Physics Letters B, 2007, 21, 207-214.	1.9	2
25	Growth and optical properties of Zn:Ce:Cu:LiNbO ₃ single crystals. Solid-State Electronics, 2008, 52, 644-648.	1.4	2
26	BiS ₂ -Layer Gives Giant Birefringence: First-Principles Calculations. Chinese Physics Letters, 2016, 33, 057802.	3.3	0