

Lixin He

List of Publications by Year in descending order

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23
papers

1,453
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Extrinsic models for the dielectric response of CaCu ₃ Ti ₄ O ₁₂ . Journal of Applied Physics, 2003, 94, 3299-3306.	2.5	324
2	First-principles study of the structure and lattice dielectric response of CaCu ₃ Ti ₄ O ₁₂ . Physical Review B, 2002, 65, .	3.2	317
3	Exponential Decay Properties of Wannier Functions and Related Quantities. Physical Review Letters, 2001, 86, 5341-5344.	7.8	164
4	Lattice dielectric response of CdCu ₃ Ti ₄ O ₁₂ and CaCu ₃ Ti ₄ O ₁₂ from first principles. Physical Review B, 2003, 67, .	3.2	93
5	Ferroelectricity Driven by the Noncentrosymmetric Magnetic Ordering in Multiferroic TbMn ₂ O ₅ : A First-Principles Study of the Lattice and Electronic Structure. Physical Review B, 2008, 77, 114107.	7.8	91
6	First-principles study of the lattice and electronic structure of Mn ₂ O ₅ . Physical Review B, 2008, 77, 114107.	3.2	59
7	Quantum Dots Offering an Efficient On-Demand Entangled 1.55- μ m Photon Emitter. Physical Review Letters, 2009, 103, 177401.	7.8	56
8	Exciton Polarization, Fine-Structure Splitting, and the Asymmetry of Quantum Dots under Uniaxial Stress. Physical Review Letters, 2011, 106, 227401.	7.8	56
9	Crystal field splitting and optical bandgap of hexagonal LuFeO ₃ films. Applied Physics Letters, 2012, 101, .	3.3	51
10	Origin of Ferroelectricity in High-T _c Magnetic Ferroelectric CuO. Physical Review Letters, 2012, 108, 187205.	7.8	43
11	First-Principles Modeling of Multiferroic Mn ₂ O ₅ . Physical Review Letters, 2009, 103, 257201.	7.8	30
12	Structural and electronic origin of the magnetic structures in hexagonal LuFeO ₃ . Physical Review B, 2014, 90, .	3.2	38
13	Eliminating the fine structure splitting of excitons in self-assembled InAs/GaAs quantum dots via combined stresses. Applied Physics Letters, 2012, 101, 063114.	3.3	30
14	Towards Scalable Entangled Photon Sources with Self-Assembled Quantum Dots. Physical Review Letters, 2015, 115, 067401.	7.8	21
15	First-principles study of the spin-lattice coupling in spin frustrated DyMn ₂ O ₇ . Physical Review B, 2008, 78, .	3.2	16
16	Efficient Hybrid Density Functional Calculations for Large Periodic Systems Using Numerical Atomic Orbitals. Journal of Chemical Theory and Computation, 2021, 17, 222-239.	5.3	12
17	Molecular-spin dynamics study of electromagnons in multiferroic RMn ₂ O ₅ . Journal of Physics Condensed Matter, 2012, 24, 206001.	1.8	11
18	Slow exciton spin relaxation in single self-assembled InAs quantum dots. Physical Review B, 2014, 89, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	First-principles study of multiferroic $\text{RbFe}(\text{MoO}_4)_2$. Physical Review B, 2014, 90, .	3.2	10
20	Overlaying optical lattices for simulation of complex frustrated antiferromagnets. Physical Review A, 2012, 85, .	2.5	4
21	Temperature dependent empirical pseudopotential theory for self-assembled quantum dots. Journal of Physics Condensed Matter, 2012, 24, 475302.	1.8	4
22	Theory of strain tuning fine structure splitting in self-assembled InAs/GaAs quantum dots. Journal of Physics Condensed Matter, 2014, 26, 475301.	1.8	2
23	Method to construct transferable minimal basis sets for <i>ab initio</i> calculations. Physical Review B, 2009, 80, .	3.2	1