

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	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
2	Towards Scalable Entangled Photon Sources with Self-Assembled InAs/GaAs Quantum Dots. Physical Review Letters, 2015, 115, 067401.	7.8	21
3	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
4	Slow exciton spin relaxation in single self-assembled In/GaAs quantum dots. Physical Review B, 2014, 89, .	1.2	10
5	Structural and electronic origin of the magnetic structures in hexagonal LuFeO_3 . Physical Review Letters, 2011, 106, 227401.	3.2	38
6	First-principles study of multiferroic RbFe_2O_4 . Physical Review B, 2014, 90, .	3.2	10
7	Molecular-spin dynamics study of electromagnons in multiferroic RMn_2O_5 . Journal of Physics Condensed Matter, 2012, 24, 206001.	1.8	11
8	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
9	Crystal field splitting and optical bandgap of hexagonal LuFeO_3 films. Applied Physics Letters, 2012, 101, .	3.3	51
10	Overlaying optical lattices for simulation of complex frustrated antiferromagnets. Physical Review A, 2012, 85, .	2.5	4
11	Temperature dependent empirical pseudopotential theory for self-assembled quantum dots. Journal of Physics Condensed Matter, 2012, 24, 475302.	1.8	4
12	Origin of Ferroelectricity in High- T_c Magnetic Ferroelectric CuO . Physical Review Letters, 2012, 108, 187205.	7.8	43
13	Exciton Polarization, Fine-Structure Splitting, and the Asymmetry of Quantum Dots under Uniaxial Stress. Physical Review Letters, 2011, 106, 227401.	7.8	56
14	Method to construct transferable minimal basis sets for <i>ab initio</i> calculations. Physical Review B, 2009, 80, .	3.2	1
15	First-Principles Modeling of Multiferroic $\text{R}_2\text{Mn}_2\text{O}_7$. Physical Review Letters, 2011, 106, 227401.	7.8	30
16	Highly Reduced Fine-Structure Splitting in InAs/GaAs Quantum Dots Offering an Efficient On-Demand Entangled $1.55\text{-}\mu\text{m}$ Photon Emitter. Physical Review Letters, 2008, 101, 157401.	7.8	56
17	First-principles study of the spin-lattice coupling in spin frustrated DyMn_2O_7 . Physical Review B, 2008, 78, .	3.2	59
18	First-principles study of the spin-lattice coupling in spin frustrated DyMn_2O_7 . Physical Review B, 2008, 78, .	3.2	16

#	ARTICLE	IF	CITATIONS
19	Ferroelectricity Driven by the Noncentrosymmetric Magnetic Ordering in Multiferroic $TbMn_2O_5$: A First-Principles Study. <i>Physical Review Letters</i> , 2007, 99, 177202.		91
20	Lattice dielectric response of $CdCu_3Ti_4O_{12}$ and $CaCu_3Ti_4O_{12}$ from first principles. <i>Physical Review B</i> , 2003, 67, .	3.2	93
21	Extrinsic models for the dielectric response of $CaCu_3Ti_4O_{12}$. <i>Journal of Applied Physics</i> , 2003, 94, 3299-3306.	2.5	324
22	First-principles study of the structure and lattice dielectric response of $CaCu_3Ti_4O_{12}$. <i>Physical Review B</i> , 2002, 65, .	3.2	317
23	Exponential Decay Properties of Wannier Functions and Related Quantities. <i>Physical Review Letters</i> , 2001, 86, 5341-5344.	7.8	164