

Hua Wu

List of Publications by Year in descending order

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156536

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all docs

92
docs citations

92
times ranked

15551
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning 2D magnetism in Fe ₃ XGeTe ₂ films by element doping. National Science Review, 2022, 9, .	4.6	7
2	Quasi-1D van der Waals Antiferromagnetic CrZr ₄ Te ₁₄ with Large In-Plane Anisotropic Negative Magnetoresistance. Advanced Materials, 2022, 34, e2200145.	11.1	7
3	A unique electronic state in a ferromagnetic semiconductor FeCl ₂ monolayer. Journal of Materials Chemistry C, 2022, 10, 8009-8014.	2.7	8
4	Magnetic frustration in the cubic double perovskite $\text{BaNi}_2\text{Ni}_6\text{O}$. Physical Review B, 2022, 105, .	1.1	4
5	Ferromagnetic half-metallicity in YBaCo ₂ O ₆ and spin-state driven metal-insulator transition. Journal of Materials Chemistry C, 2021, 9, 10112-10118.	2.7	0
6	2D hybrid CrCl ₂ (N ₂ C ₄ H ₄) ₂ with tunable ferromagnetic half-metallicity. Journal of Materials Chemistry C, 2021, 9, 5985-5991.	2.7	1
7	Magnetic Order and Its Interplay with Structure Phase Transition in van der Waals Ferromagnet V ₃ . Chinese Physics Letters, 2021, 38, 096101.	1.3	11
8	Triaxial magnetic anisotropy in the two-dimensional ferromagnetic semiconductor CrSBr. Physical Review B, 2021, 104, .	1.1	53
9	CrSbSe_3 : A pseudo one-dimensional ferromagnetic semiconductor. Physical Review Materials, 2021, 5, .		
10	Two-dimensional ferromagnetic superlattices. National Science Review, 2020, 7, 745-754.	4.6	39
11	Two-dimensional ferromagnetic semiconductor VBr ₃ with tunable anisotropy. Journal of Materials Chemistry C, 2020, 8, 14782-14788.	2.7	16
12	Magneto-Optical Kerr Switching Properties of (CrI ₃) ₂ and (CrBr ₃ /CrI ₃) Bilayers. ACS Applied Electronic Materials, 2020, 2, 1373-1380.	2.0	32
13	VI_3 : A two-dimensional Ising ferromagnet. Physical Review B, 2020, 101, .		
14	Metastable oxygen vacancy ordering state and improved memristive behavior in TiO ₂ crystals. Science Bulletin, 2020, 65, 631-639.	4.3	15
15	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	1.9	23
16	Contrasting Magnetism in Isovalent Layered LaSr ₃ NiRuO ₄ H ₄ and LaSrNiRuO ₄ due to Distinct Spin-Orbital States*. Chinese Physics Letters, 2019, 36, 077501.	1.3	1
17	Strain-tunable van der Waals interactions in few-layer black phosphorus. Nature Communications, 2019, 10, 2447.	5.8	98
18	Pressure-enhanced interplay between lattice, spin, and charge in the mixed perovskite La ₂ FeMnO ₆ . Physical Review B, 2019, 99, .	1.1	9

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37	Coupled charge-spin-orbital state in Fe- or Co-doped Sr ₂ IrO ₆ . Physical Review B, 2014, 89, .	1.1	19
38	Ferrimagnetism in the double perovskite Ca ₂ FeOsO ₆ : A density functional study. Physical Review B, 2014, 90, .	1.1	41
39	Dimensionality-induced insulator-metal crossover in layered nickelates La _{1-x} Ni _x O ₂ (x = 2, 3, and 4). AIP Advances, 2014, 4, .	0.6	15
40	Impact of spin-orbit coupling on the magnetism of Sr ₃ MIrO ₆ (M = Ni, Co). Scientific Reports, 2014, 4, 4609.	1.6	40
41	Pressure-induced spin-state and insulator-metal transitions in Sr ₃ Fe ₂ O ₅ from first principles. Europhysics Letters, 2013, 102, 67004.	0.7	5
42	Charge-spin-orbital states in the tri-layered nickelate La ₄ Ni ₃ O ₈ : an ab initio study. New Journal of Physics, 2013, 15, 023038.	1.2	9
43	Spin-state order/disorder and metal-insulator transition in GdBaCo ₂ O _{5.5} : experimental determination of the underlying electronic structure. New Journal of Physics, 2012, 14, 123025.	1.2	48
44	Metal-insulator transition in Sr _{2-x} La _x CoO ₄ driven by spin-state transition. Physical Review B, 2012, 86, .	1.1	19
45	Charge Order at the Frontier between the Molecular and Solid States in Ba ₃ Fe ₂ O ₉ . Physical Review Letters, 2012, 108, 217205.	1.1	19
46	Is N-doped SrO magnetic? A first-principles view. Applied Physics Letters, 2012, 100, 042405.	1.5	4
47	Ab initio study of the giant ferroelectric distortion and pressure-induced spin-state transition in BiCoO ₃ . Physical Review B, 2011, 84, 040401.	1.1	30
48	Orbital occupation and magnetism of tetrahedrally coordinated iron in CaBaFe ₂ O ₇ . Physical Review B, 2011, 84, 040401.	1.1	26
49	Incommensurate spin order in the metallic perovskite MnVO. Physical Review B, 2011, 84, 040401.	1.1	64
50	Orbital order in La _{1-x} Ni _x O ₂ . Physical Review B, 2010, 82, 040401.	1.1	28
51	Electronic structure, spin state, and magnetism of the square-lattice Mott insulator La ₂ VO ₄ . Physical Review B, 2010, 82, .	1.1	19
52	High-spin and low-spin mixed state in LaSrCoO ₄ : An ab initio study. Physical Review B, 2010, 81, .	1.1	33
53	Spin states of Co ions in La _{1-x} Ni _x O ₂ : A first-principles study. Physical Review B, 2010, 82, .	1.1	19
54	Magnetism in C- or N-doped MgO and ZnO: A Density-Functional Study of Impurity Pairs. Physical Review Letters, 2010, 105, 267203.	2.9	111

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55	Spin and orbital states in LaMn_2O_7 by electronic structure calculations. Physical Review B, 2009, 80, .	2.9	165
56	Ising Magnetism and Ferroelectricity in $\text{Ca}_3\text{CoMnO}_6$. Physical Review Letters, 2009, 102, 026404.	2.9	117
57	Spin Blockade, Orbital Occupation, and Charge Ordering in Sr_2VO_7 . Physical Review Letters, 2009, 102, 116401.	2.9	150
58	Electronic structure of dimerized spinel ZnV_2O_4 . Journal of Magnetism and Magnetic Materials, 2009, 321, 679-681.	1.0	3
59	Metal-Insulator Transition and Orbital Order in PbRuO_3 . Physical Review Letters, 2009, 102, 046409.	2.9	50
60	Homopolar Bond Formation in ZnV_2O_7 Close to a Metal-Insulator Transition. Physical Review Letters, 2008, 101, 256403.	2.9	60
61	X-ray absorption and x-ray magnetic dichroism study on LaMnO_3 and LaMn_2O_7 . Physical Review B, 2008, 77, .	1.1	167
62	X-ray absorption and x-ray magnetic dichroism study on CaMn_3S_8 . Physical Review B, 2008, 77, .	1.1	86
63	Electronic structure of RAuSn (R=Sc, Ce, Gd, Er, and Lu) investigated with x-ray photoelectron spectroscopy and band structure calculations. Physical Review B, 2008, 77, .	1.1	19
64	Mott-Hubbard versus charge-transfer behavior in LaSrMnO_4 studied via optical conductivity. Physical Review B, 2008, 77, .	1.1	24
65	Transition-metal silicides as materials for magnet-semiconductor heterostructures. Journal of Applied Physics, 2007, 101, 081725.	1.1	14
66	Insulating state and the importance of the spin-orbit coupling in $\text{Ca}_3\text{CoRhO}_6$. Physical Review B, 2007, 75, .	1.1	29
67	Orbital ordering in the ferromagnetic insulator CsAgF_4 from first principles. Physical Review B, 2007, 76, .	1.1	18
68	Density-Functional Theory Study of Half-Metallic Heterostructures: Interstitial Mn in Si. Physical Review Letters, 2007, 98, 117202.	2.9	71
69	Epitaxy of Mn on Si(001): Adsorption, surface diffusion, and magnetic properties studied by density-functional theory. Physical Review B, 2006, 74, .	1.1	54
70	Electronic structure of RAuMg and RAgMg (R=Eu, Gd, Yb). Physical Review B, 2006, 74, .	1.1	14
71	Orbitally Driven Spin-Singlet Dimerization in $\text{S=1La}_4\text{Ru}_2\text{O}_{10}$. Physical Review Letters, 2006, 96, 256402.	2.9	54
72	Ab initio study of transition-metal silicide films on Si(001). AIP Conference Proceedings, 2005, .	0.3	0

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73	First-principles study of thin magnetic transition-metal silicide films on Si(001). Physical Review B, 2005, 72, .	1.1	45
74	Nature of Magnetism in Ca ₃ Co ₂ O ₆ . Physical Review Letters, 2005, 95, 186401.	2.9	137
75	Different Look at the Spin State of Co ³⁺ Ions in a CoO ₅ Pyramidal Coordination. Physical Review Letters, 2004, 92, 207402.	2.9	170
76	First-Principles Study of Ferromagnetism in Epitaxial Si-Mn Thin Films on Si(001). Physical Review Letters, 2004, 92, 237202.	2.9	66
77	High spin, hole delocalization and electron transfer in LBaCo ₂ O _{5.5} (L = Sm, Eu, Gd, Tb, Dy, Y). Journal of Physics Condensed Matter, 2003, 15, 503-510.	0.7	34
78	Phase evolution of layered cobalt oxides versus varying corrugation of the cobalt-oxygen basal plane. European Physical Journal B, 2002, 30, 501-510.	0.6	10
79	Response to "Comment on "Energy band structures of the low-dimensional antiferromagnets Sr ₂ CuO ₃ and Sr ₂ CuO ₂ Cl ₂ ". [J. Appl. Phys. 90, 3708 (2001)]. Journal of Applied Physics, 2001, 90, 4882-4883.	1.1	0
80	Spin state and phase competition in TbBaCo ₂ O _{5.5} and the lanthanide series LBaCo ₂ O _{5+δ} (0 < δ < 1). Physical Review B, 2001, 64, .	1.1	49
81	Electronic structure study of double perovskites A ₂ FeReO ₆ (A = Ba, Sr, Ca) and Sr ₂ MMoO ₆ (M = Cr, Mn, Fe, Co) by LSDA and LSDA+U. Physical Review B, 2001, 64, .	1.1	162
82	High-spin and charge-ordering state of YBaCo ₂ O ₅ . Physical Review B, 2000, 62, R11953-R11956.	1.1	19
83	Energy band structures of the low-dimensional antiferromagnets Sr ₂ CuO ₃ and Sr ₂ CuO ₂ Cl ₂ . Journal of Applied Physics, 2000, 87, 4897-4899.	1.1	6
84	Electronic structure study of the magnetoresistance material CaCu ₃ Mn ₄ O ₁₂ by LSDA and LSDA+U. Physical Review B, 2000, 61, 5217-5222.	1.1	27
85	Reply to comment on "The electronic structure of CaCuO ₂ and SrCuO ₂ ". Journal of Physics Condensed Matter, 2000, 12, 5813-5815.	0.7	1
86	Exchange Splitting and Insulating Gap in La ₂ CuO ₄ . Chinese Physics Letters, 1999, 16, 202-204.	1.3	0
87	The electronic structure of CaCuO ₂ and SrCuO ₂ . Journal of Physics Condensed Matter, 1999, 11, 4637-4646.	0.7	14
88	Insulating band structure of . Journal of Physics Condensed Matter, 1999, 11, 209-219.	0.7	18
89	Electronic structure of the spin-Peierls system NaV ₂ O ₅ . Physical Review B, 1999, 59, 15027-15032.	1.1	10
90	Influences of a non-spherical charge density upon the electronic structure of magnetic compounds. Solid State Communications, 1999, 111, 403-407.	0.9	1