Fanlong Ning

List of Publications by Year
in descending order

60 papers	2,469 citations	257101 24 h-index	189595 50 g-index
60 all docs	60 docs citations	60 times ranked	2257 citing authors

#	Article	IF	Citations
1	Why Does Undoped FeSe Become a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Superconductor under Pressure?. Physical Review Letters, 2009, 102, 177005.	2.9	369
2	Contrasting Spin Dynamics between Underdoped and Overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â2.9</mml:mo><mml:m Physical Review Letters, 2010, 104, 037001.		284
3	Spin Susceptibility, Phase Diagram, and Quantum Criticality in the Eelctron-Doped High Tc Superconductor Ba(Fe1-xCox)2As2. Journal of the Physical Society of Japan, 2009, 78, 013711.	0.7	159
4	Li(Zn,Mn)As as a new generation ferromagnet based on a Iâ€“IIâ€“V semiconductor. Nature Communications, 2011, 2, 422.	5.8	157
5	New diluted ferromagnetic semiconductor with Curie temperature up to 180â€‰K and isostructural to the â€˜122â€™ iron-based superconductors. Nature Communications, 2013, 4, 1442.	5.8	154
6	F19NMR investigation of the iron pnictide superconductorLaFeAsO0.89F0.11. Physical Review B, 2008, 78, .	1.1	120
7	⁵⁹Co and ⁷⁵As NMR Investigation of Electron-Doped High T_c Superconductor BaFe_{1.8}Co_{0.2}As₂ (T_c = 22 K). Journal of the Physical Society of Japan, 2008, 77, 103705.	0.7	99
8	NMR Investigation of the Quasi-One-Dimensional Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi>Cr</mml:mi> Physical Review Letters, 2015, 114, 147004.	2.9	86
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>3</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>geometrically frustrated double perovskites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub>	1.1	82
10	NMR Search for the Spin Nematic State in a LaFeAsO Single Crystal. Physical Review Letters, 2012, 109, 247001.	2.9	73
11	Diluted ferromagnetic semiconductor Li(Zn,Mn)P with decoupled charge and spin doping. Physical Review B, 2013, 88, .	1.1	71
12			

#	Article	IF	Citations
19	C59oandA75sNMR investigation of lightly dopedBa(Fe1â^'xCox)2As2(x=0.02,0.04). Physical Review B, 2009, 79, .	1.1	36
20	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. Nature Communications, 2016, 7, 12519.	5.8	36
21	(Ca,Na)(Zn,Mn)2As2: A new spin and charge doping decoupled diluted ferromagnetic semiconductor. Journal of Applied Physics, 2014, 116, .	1.1	31
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Co</mml:mi><mml:mprescripts /><mml:none /><mml:mn>59</mml:mn></mml:mmultiscripts></mml:math>NMR Evidence for Charge Ordering below<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>CO</mml:mi></mml:msub><mml:mo>â^¼</mml:mo><mml:mn>51</mml:mn><mml:mathvariant="normal">K</mml:mi></mml:math>in<mml:math xm. Physical Review Letters, 2008, 100, 086.	2.9	29
23	(Sr,Na)(Zn,Mn)2As2: A diluted ferromagnetic semiconductor with the hexagonalCaAl2Si2type structure. Physical Review B, 2014, 90, .	1.1	28
24	O17NMR Studies of a Triangular-Lattice SuperconductorNaxCoO2Â·yH2O. Physical Review Letters, 2005, 94, 227004.	2.9	25
25	Ba(Zn1â^'2xMnxCux)2As2: A Bulk Form Diluted Ferromagnetic Semiconductor with Mn and Cu Codoping at Zn Sites. Scientific Reports, 2015, 5, 15507.	1.6	23
26	WannSymm: A symmetry analysis code for Wannier orbitals. Computer Physics Communications, 2022, 271, 108196.	3.0	22
27	Suppression of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>C</mml:mi></mml:msub></mml:ma overdoped Li in the diluted ferromagnetic semiconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi		

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37	(Sr 3 La 2 O 5)(Zn 1â^'x Mn x) 2 As 2 : A bulk form diluted magnetic semiconductor isostructural to the â€œ32522â€•Fe-based superconductors. Europhysics Letters, 2014, 105, 67004.	0.7	12
38	Magnetism in superconducting EuFe2As1.4P0.6 single crystals studied by local probes. Solid State Communications, 2014, 187, 18-22.	0.9	11
39	Progress on microscopic properties of diluted magnetic semiconductors by NMR and Î¼SR. Journal of Semiconductors, 2019, 40, 081506.	2.0	9
40	The synthesis and characterization of 1111-type diluted magnetic semiconductors (La _{1â^'x} Sr) Tj ETQq0 0 0 rgBT /Overloc 103, 67011.	0.7	8
41	Disentangling superconducting and magnetic orders in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaFe</mml:mi><mml:mrow><mml:mn>1- using muon spin rotation. Physical Review B, 2018, 97, .	1.0	8
42	Drastic improvement of Curie temperature by chemical pressure in N-type diluted magnetic semiconductor Ba(Zn,Co)$$_{2}$$As$$_{2}$$. Scientific Reports, 2021, 11, 7652.	1.6	8
43	Neutron diffraction and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î¼</mml:mi><mml:mi>SR</mml:mi></mml:mrow></mml studies of two polymorphs of nickel niobate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NiNb</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	1.1	7
44	Structure characteristics and valence state study for La1â^'xKxTiO3 synthesized under high-pressure and high-temperature. Journal of Alloys and Compounds, 2005, 387, 287-291.	2.8	6
45	The synthesis and characterization of 1 1 1 1 type diluted ferromagnetic semiconductor (La_{1â^'x}Ca_x)(Zn_{1â^'x}Mn_x)AsO. Journal of Physics Condensed Matter, 2016, 28, 026003.	0.7	5
46	Î¼SR investigation of a new diluted magnetic semiconductor Li(Zn,Mn,Cu)As with Mn and Cu codoping at the same Zn sites. Journal of Physics Condensed Matter, 2016, 28, 366001.	0.7	5
47	La(Zn 1â^'2x Mn x Cu x)AsO: A 1111-type diluted magnetic semiconductor with manganese and copper codoping at Zn sites. Europhysics Letters, 2016, 114, 57008.	0.7	5
48	La(Zn 1â^'2x Mn x Cu x)SbO: A new diluted magnetic semiconductor isostructural to 1111-type iron pnictide superconductors. Europhysics Letters, 2017, 120, 47005.	0.7	5
49	A novel diluted magnetic semiconductor (Ca,Na)(Zn,Mn)₂Sb₂ with decoupled charge and spin dopings*. Chinese Physics B, 2020, 29, 057507.	0.7	5
50	31 P NMR investigation of the superconductor LiFeP (T c = 5 K). Europhysics Letters, 2014, 105, 67005.	0.7	4
51	(Ba1â^'K)(Cu2â^'Mn)Se2: A copper-based bulk form diluted magnetic semiconductor with orthorhombic BaCu2S2-type structure. Journal of Magnetism and Magnetic Materials, 2016, 400, 295-299.	1.0	4
52	Absence of static magnetic order in lightly-doped Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:m	1.1	3
53	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>x</mml:mi></mml:mrow Electronic structure of Ba (Zn0.875Mn0.125)2As2. Applied Physics Letters, 2017, 111, .	1.5	3
54	Cu2(Zn,Mn)(Sn,Al)Se4: A diluted magnetic semiconductor with decoupled charge and spin doping. Journal of Magnetism and Magnetic Materials, 2021, 536, 168064.	1.0	3

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55	Superconductivity near a quantum critical point in Ba(Fe1â”Co)2As2. Physica C: Superconductivity and Its Applications, 2010, 470, S273-S275.	0.6	2
56	Manipulation of the ferromagnetic ordering in magnetic semiconductor (La,Ca)(Zn,Mn)AsO by chemical pressure. Journal of Magnetism and Magnetic Materials, 2022, 554, 169276.	1.0	2
57	Toward intrinsic room-temperature ferromagnetism in two-dimensional semiconductors. Journal of Semiconductors, 2019, 40, 080201.	2.0	1
58	A New Type Diluted Magnetic Semiconductor Li(Zn,Mn)As. Journal of Physics: Conference Series, 2012, 400, 032033.	0.3	0
59	The Magnetic Properties of 1111-type Diluted Magnetic Semiconductor (La1â”xBax)(Zn1â”xMnx)AsO in the Low Doping Regime. Condensed Matter, 2018, 3, 42.	0.8	0
60	A <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msub> <mrow> <mtext>CaAl</mtext> </mrow> <mrow> <mn>2</mn> </mrow> </msub> <msub> <mrow> <mtext>Si</mtext> </mrow> <mrow>. Advances in Condensed Matter Physics, 2022, 2022, 1-7.	0.4	0