

Fanlong Ning

List of Publications by Year in descending order

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Version: 2024-02-01

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	WannSymm: A symmetry analysis code for Wannier orbitals. Computer Physics Communications, 2022, 271, 108196.	3.0	22
2	A CaAlSi_2 . Advances in Condensed Matter Physics, 2022, 2022, 1-7.	0.4	0
3	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
4	Drastic improvement of Curie temperature by chemical pressure in N-type diluted magnetic semiconductor $\text{Ba}(\text{Zn},\text{Co})\text{As}_2$. Scientific Reports, 2021, 11, 7652.	1.6	8
5	$\text{Cu}_2(\text{Zn},\text{Mn})(\text{Sn},\text{Al})\text{Se}_4$: A diluted magnetic semiconductor with decoupled charge and spin doping. Journal of Magnetism and Magnetic Materials, 2021, 536, 168064.	1.0	3
6	A novel diluted magnetic semiconductor $(\text{Ca},\text{Na})(\text{Zn},\text{Mn})_2\text{Sb}_2$ with decoupled charge and spin dopings*. Chinese Physics B, 2020, 29, 057507.	0.7	5
7	Coexistence of nontrivial topological properties and strong ferromagnetic fluctuations in quasi-one-dimensional $\text{A}_2\text{Cr}_3\text{As}_3$. Npj Computational Materials, 2020, 6, .	3.5	19
8	Progress on microscopic properties of diluted magnetic semiconductors by NMR and ^{151}Eu SR. Journal of Semiconductors, 2019, 40, 081506.	2.0	9
9	Toward intrinsic room-temperature ferromagnetism in two-dimensional semiconductors. Journal of Semiconductors, 2019, 40, 080201.	2.0	1
10	$\text{Ba}(\text{Zn},\text{Co})_2\text{As}_2$: A diluted ferromagnetic semiconductor with n-type carriers and isostructural to 122 iron-based superconductors. Physical Review B, 2019, 99, .	1.1	16
11	Progress of novel diluted ferromagnetic semiconductors with decoupled spin and charge doping: Counterparts of Fe-based superconductors. Chinese Physics B, 2018, 27, 097502.	0.7	19
12	The Magnetic Properties of 1111-type Diluted Magnetic Semiconductor $(\text{La}_{1-x}\text{Ba}_x)(\text{Zn}_{1-x}\text{Mn}_x)\text{AsO}$ in the Low Doping Regime. Condensed Matter, 2018, 3, 42.	0.8	0
13	Disentangling superconducting and magnetic orders in NaFeAsP using muon spin rotation. Physical Review B, 2018, 97, .		
14	Neutron diffraction and ^{151}Eu SR studies of two polymorphs of nickel niobate NiNb_2O_6 . Physical Review B, 2017, 96, .	1.1	7
15	Electronic structure of $\text{Ba}(\text{Zn}_{0.875}\text{Mn}_{0.125})_2\text{As}_2$. Applied Physics Letters, 2017, 111, .	1.5	3
16	$\text{La}(\text{Zn}_{1-2x}\text{Mn}_x\text{Cu}_x)\text{SbO}$: A new diluted magnetic semiconductor isostructural to 1111-type iron pnictide superconductors. Europhysics Letters, 2017, 120, 47005.	0.7	5
17	The synthesis and characterization of 1111 type diluted ferromagnetic semiconductor $(\text{La}_{1-x}\text{Ca}_x)(\text{Zn}_{1-x}\text{Mn}_x)\text{AsO}$. Journal of Physics Condensed Matter, 2016, 28, 026003.	0.7	5
18	^{151}Eu SR investigation of a new diluted magnetic semiconductor $\text{Li}(\text{Zn},\text{Mn},\text{Cu})\text{As}$ with Mn and Cu codoping at the same Zn sites. Journal of Physics Condensed Matter, 2016, 28, 366001.	0.7	5

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19	La(Zn _{1-2x} Mn _x Cu _x)AsO: A 1111-type diluted magnetic semiconductor with manganese and copper codoping at Zn sites. <i>Europhysics Letters</i> , 2016, 114, 57008.	0.7	5
20	New Fluoride-arsenide Diluted Magnetic Semiconductor (Ba,K)F(Zn,Mn)As with Independent Spin and Charge Doping. <i>Scientific Reports</i> , 2016, 6, 36578.	1.6	17
21	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016, 7, 12519.	5.8	36
22	(Ba _{1-x} K _x)(Cu _{2-x} Mn _x)Se ₂ : A copper-based bulk form diluted magnetic semiconductor with orthorhombic BaCu ₂ S ₂ -type structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 295-299.	1.0	4
23	Ba(Zn _{1-2x} Mn _x Cu _x) ₂ As ₂ : A Bulk Form Diluted Ferromagnetic Semiconductor with Mn and Cu Codoping at Zn Sites. <i>Scientific Reports</i> , 2015, 5, 15507.	1.6	23
24	NMR Investigation of the Quasi-One-Dimensional Superconductor $K\text{Fe}_2\text{As}_2$. <i>Physical Review Letters</i> , 2015, 114, 147004.	2.9	86
25	The suppression of Curie temperature by Sr doping in diluted ferromagnetic semiconductor (La) _{1-x} Tj _x ETQq1. <i>Overlock</i> 107, 17004.	0.7	17
26	Suppression of Curie temperature by Sr doping in the diluted ferromagnetic semiconductor $\text{Li}_{1-x}\text{Fe}_x\text{As}$ overdoped Li in the diluted ferromagnetic semiconductor $\text{Li}_{1-x}\text{Fe}_x\text{As}$.		

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37	New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the FeTe iron-based superconductors. Nature Communications, 2013, 4, 1442.	5.8	154
38	Diluted ferromagnetic semiconductor Li(Zn,Mn)P with decoupled charge and spin doping. Physical Review B, 2013, 88, .	1.1	71

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#	ARTICLE	IF	CITATIONS
55	F19NMR investigation of the iron pnictide superconductor $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$. Physical Review B, 2008, 78, 11. $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 59 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ NMR Evidence for Charge Ordering below $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{CO} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle \hat{=} \frac{1}{4} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 51 \langle \text{mml:mathvariant="normal"} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ in $\langle \text{mml:math xm}$. Physical Review Letters, 2008, 100, 086.	1.1	120
56	NMR Evidence for Charge Ordering below $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{CO} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle \hat{=} \frac{1}{4} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 51 \langle \text{mml:mathvariant="normal"} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ in $\langle \text{mml:math xm}$. Physical Review Letters, 2008, 100, 086.	2.9	29
57	NMR Measurements of Intrinsic Spin Susceptibility in $\text{LaFeAsO}_{0.9}\text{F}_{0.1}$. Journal of the Physical Society of Japan, 2008, 77, 47-53.	0.7	16
58	O17NMR Studies of a Triangular-Lattice Superconductor $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$. Physical Review Letters, 2005, 94, 227004.	2.9	25
59	Structure characteristics and valence state study for $\text{La}_{1-x}\text{K}_x\text{TiO}_3$ synthesized under high-pressure and high-temperature. Journal of Alloys and Compounds, 2005, 387, 287-291.	2.8	6
60	Spin Dynamics in the Carrier-Doped $S=1/2$ Triangular Lattice of $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$. Physical Review Letters, 2004, 93, 237201.	2.9	51