

# Meng Wang

## List of Publications by Year in descending order

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60  
papers

1,553  
citations

304368

22  
h-index

315357

38  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation-driven electronic reconstruction in $\text{FeTe}_{1-x}\text{S}_x$ . Communications Physics, 2022, 5, .	2.0	17
2	Effect of iron vacancies on magnetic order and spin dynamics of the spin ladder $\text{BaFe}_{1-x}\text{S}_x$ . Physical Review B, 2022, 105, .	1.3	15
3	Superconductivity and Charge Density Wave in Iodine-Doped $\text{Cu}_{1-x}\text{Te}_2$ . Chinese Physics Letters, 2021, 38, 037401.	1.5	5
4	Robust Superconductivity in $(\text{Zn}_x\text{Cu}_{1-x})\text{IrTe}_2$ . Journal of Physical Chemistry C, 2021, 125, 5732-5738.	1.1	8
5	Flat-band-induced itinerant ferromagnetism in $\text{RbCo}_2\text{S}_2$ . Physical Review B, 2021, 103, .	1.8	4
6	Coexistence of ferromagnetism, antiferromagnetism, and superconductivity in magnetically anisotropic $(\text{Eu},\text{La})\text{FeAs}_2$ . Npj Quantum Materials, 2021, 6, .	2.0	11
7	Structure and magnetic properties of the $S = 3/2$ zigzag spin chain antiferromagnet $\text{BaCoTe}_2\text{O}_7$ . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	13
8	Magnetism variation of the compressed antiferromagnetic topological insulator $\text{EuSn}_2\text{As}_2$ . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	1.1	1
9	Spin dynamics of the spin-chain antiferromagnet $\text{RbFeS}_2$ . Physical Review B, 2021, 104, .	1.1	1
10	Colossal angular magnetoresistance in the antiferromagnetic semiconductor $\text{EuTe}_2$ . Physical Review B, 2021, 104, .	0.8	8
11	Iron-Based Chalcogenide Spin Ladder $\text{BaFe}_2\text{X}_3$ ( $X = \text{Se}, \text{S}$ ). Journal of Superconductivity and Novel Magnetism, 2020, 33, 143-158.	1.1	39
12	Pressure-induced superconductivity and structural transition in ferromagnetic $\text{CrSiTe}_3$ . Physical Review B, 2020, 102, .	1.1	5
13	Magnetic ordering and spin dynamics in the $S=5/2$ staggered triangular lattice antiferromagnet $\text{Ba}_2\text{MnTeO}_6$ . Physical Review B, 2020, 102, .	1.1	47
14	In-plane antiferromagnetic moments and magnetic polaron in the axion topological insulator candidate $\text{EuIn}_2$ . Physical Review B, 2020, 101, .	1.1	6
15	Structural, magnetic, and electronic evolution of the spin-ladder system $\text{BaFe}_2\text{S}_3$ with isoelectronic substitution. Physical Review B, 2020, 101, .	1.1	8
16	Nonsuperconducting electronic ground state in pressurized $\text{BaFe}_2\text{S}_3$ and $\text{BaFe}_2\text{S}_3$ . Physical Review B, 2020, 101, .	0.9	3
17	Observation of a $C$ -type short-range antiferromagnetic order in layer spacing expanded $\text{FeS}$ . Physical Review Materials, 2020, 4, .		
18	Large negative magnetoresistance in the antiferromagnetic rare-earth dichalcogenide $\text{EuTe}_2$ . Physical Review Materials, 2020, 4, .		

#	ARTICLE	IF	CITATIONS
19	<p>Superconductivity in Ru-doped <math>\text{Cu}_2\text{O}</math></p> <p>Magnetic and structural properties of the iron oxyniocalcogenides <math>\text{La}_2\text{FeO}_2\text{M}_2\text{O}_2</math></p>	1.1	16
20	<p><math>\text{La}_2\text{FeO}_2\text{M}_2\text{O}_2</math></p>		

#	ARTICLE	IF	CITATIONS
37	Spin dynamics near a putative antiferromagnetic quantum critical point in Cu-substituted $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ and its relation to high-temperature superconductivity. <i>Physical Review B</i> , 2015, 92, .		
38	Two spatially separated phases in semiconducting $\text{RbO.8Fe1.5S2}$ . <i>Physical Review B</i> , 2014, 90, .	1.1	19
39	Short-range cluster spin glass near optimal superconductivity in $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$ . <i>Physical Review B</i> , 2014, 90, .		
40	Magnetic anisotropy in hole-doped superconducting $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$ . <i>Physical Review B</i> , 2014, 90, .	1.1	27
41	Spin Excitation Anisotropy as a Probe of Orbital Ordering in the Paramagnetic Tetragonal Phase of Superconducting $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review Letters</i> , 2013, 111, 107006.	2.9	56
42	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013, 4, 2874.	5.8	94
43	Electron doping evolution of the magnetic excitations in $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review B</i> , 2013, 88, 040407.	1.1	42
44	Temperature dependence of the resonance and low-energy spin excitations in superconducting $\text{FeTeO.6SeO.4}$ . <i>Physical Review B</i> , 2012, 85, .	1.1	9
45	Coexistence and Competition of the Short-Range Incommensurate Antiferromagnetic Order with the Superconducting State of $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review Letters</i> , 2012, 108, 247002.	2.9	88
46	Effect of Li-deficiency impurities on the electron-overdoped $\text{LiFeAs}$ superconductor. <i>Physical Review B</i> , 2012, 86, .	1.1	27
47	Polarized neutron scattering studies of magnetic excitations in electron-overdoped superconducting $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review B</i> , 2012, 86, .	1.1	27
48	Electron doping evolution of the anisotropic spin excitations in $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review B</i> , 2012, 86, .	1.1	45
49	Nature of magnetic excitations in superconducting $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$ . <i>Nature Physics</i> , 2012, 8, 376-381.	6.5	120
50	Systematic growth of $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ large crystals. <i>Superconductor Science and Technology</i> , 2011, 24, 065004.	1.8	59
51	Spin waves and magnetic exchange interactions in insulating $\text{RbO.89Fe1.58Se2}$ . <i>Nature Communications</i> , 2011, 2, 580.	5.8	85
52	Magnetic field effect on static antiferromagnetic order and spin excitations in the underdoped iron arsenide superconductor $\text{BaFe}_{1-x}\text{Ni}_x\text{As}_2$ . <i>Physical Review B</i> , 2011, 84, 040407.	1.1	30
53	Neutron Scattering Studies of spin excitations in hole-doped $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$ superconductor. <i>Scientific Reports</i> , 2011, 1, 115.	1.6	72
54	Antiferromagnetic spin excitations in single crystals of nonsuperconducting $\text{Li}_{1-x}\text{FeAs}$ . <i>Physical Review B</i> , 2011, 83, .	1.1	30

#	ARTICLE	IF	CITATIONS
55	Effect of the in-plane magnetic field on the neutron spin resonance in optimally doped FeSe <sub>0.4</sub> Te <sub>0.6</sub> and BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> superconductors. Physical Review B, 2011, 84, .	1.1	17
56	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting Rb <sub>1-y</sub> Fe <sub>1.6</sub> Se <sub>2</sub> . Physical Review B, 2011, 84, .	1.1	54
57	Normal-State Hourglass Dispersion of the Spin Excitations in FeSe <sub>1-x</sub> Te <sub>x</sub> . Physical Review Letters, 2010, 105, 157002.	2.9	34
58	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> . Physical Review B, 2010, 81, .	1.1	73
59	Heavy Flavors in High Energy ep Collisions. AIP Conference Proceedings, 2006, , .	0.3	0
60	Nematic Fluctuations in the Non-Superconducting Iron Pnictide BaFe <sub>1.9</sub> Ni <sub>0.1</sub> CrxAs <sub>2</sub> . Frontiers in Physics, 0, 10, .	1.0	2