

# Rongwei Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,619  
citations

257450

24  
h-index

289244

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological $R$ PdBi half-Heusler semimetals: A new family of noncentrosymmetric magnetic superconductors. Science Advances, 2015, 1, e1500242.	10.3	166
2	Beyond triplet: Unconventional superconductivity in a spin-3/2 topological semimetal. Science Advances, 2018, 4, eaao4513.	10.3	130
3	Pauli-limited upper critical field of $Fe$ Physical Review B, 2010, 81, .	10.2	113
4	Superconductivity, magnetism, and stoichiometry of single crystals of $Fe$		



#	ARTICLE	IF	CITATIONS
19	<p>Antiferromagnetism in the magnetic and electrical transport properties of <math>\text{FeCrSb}</math></p> <p>Composition and field-tuned magnetism and superconductivity in <math>\text{Nd}_2\text{Fe}_4\text{Sb}_{10}</math></p> <p>Physical Review B, 2008, 77, .</p>	3.2	28
20	<p>Spin-liquid polymorphism in a correlated electron system on the threshold of superconductivity.</p> <p>Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10316-10320.</p>	7.1	28
22	<p>Self-poling with oxygen off-stoichiometry in ferroelectric hexagonal manganites. APL Materials, 2015, 3, 041505.</p>	5.1	26
23	<p>Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. Physical Review B, 2008, 77, .</p>	3.2	24
24	<p>Magnetic field dependence and bottlenecklike behavior of the ESR spectra in <math>\text{YbRh}_2\text{Si}_2</math></p> <p>Physical Review B, 2009, 79, .</p>	3.2	24
25	<p>Evidence for electron-phonon interaction in <math>\text{YbRh}_2\text{Si}_2</math></p>		

#	ARTICLE	IF	CITATIONS
37	Optical properties, lattice dynamics, and structural phase transition in hexagonal $\text{HfO}_2$ single crystals. Physical Review B, 2015, 92, .	3.2	12
38	Electronic Griffiths Phase in the Te-Doped Semiconductor $\text{FeSb}_2$ . Physical Review Letters, 2012, 109, 256401.	7.8	11
39	Creating nanostructured superconductors on demand by local current annealing. Physical Review B, 2015, 92, .	3.2	10
40	Lattice dynamics of $\text{FeSb}_2$ . Journal of Physics Condensed Matter, 2012, 24, 255402.	1.8	8
41	Single crystal growth of $\text{YbRh}_2\text{Si}_2$ using Zn flux. Journal of Crystal Growth, 2007, 304, 114-117.	1.5	7
42	Raman scattering study of the $\text{FeAs}_2$ displ. Physical Review B, 2009, 80, .	3.2	12
43	Anisotropy of electrical transport and superconductivity in metal chains of $\text{Nb}_2\text{Se}_3$ . Physical Review B, 2007, 75, .	3.2	4
44	Pressure-volume equation of state of $\text{FeAu}$ and $\text{FePt}$ . High Pressure Research, 2009, 29, 800-805.	1.2	4
45	Phonon properties of $\text{CoSb}_2$ single crystals. Journal of Physics Condensed Matter, 2012, 24, 135402.	1.8	4
46	Effect of carbon doping on electronic transitions in $\text{Mn}_5\text{Ge}_3$ . Journal of Applied Physics, 2013, 114, .	2.5	4
47	Normal state above the upper critical field in $\text{FeAs}_2$ . Physical Review B, 2017, 95, .	3.2	2
48	Hybrid Improper Ferroelectricity in Highly Cleavable Single Crystals of Dionâ€¢Jacobsonâ€¢ Compound $\text{CsBiNb}_2\text{O}_7$ . Advanced Electronic Materials, 0, , 2100929.	5.1	2
49	Thermal evolution of the electric field gradient at $^{181}\text{Ta}$ in $\text{HfNi}$ . Hyperfine Interactions, 2010, 196, 339-347.	0.5	1
50	High Resolution S/TEM Imaging of High Density Domain Stacking and Coexisting Polar-nonpolar Phases in Layered Perovskite $\text{Ca}_3\text{Mn}_2\text{O}_7$ . Microscopy and Microanalysis, 2018, 24, 1916-1917.	0.4	0
51	High Resolution S/Transmission Electron Microscopy Investigation of $\text{Ca}_3\text{Mn}_2\text{O}_7$ Phase Transformation under In-situ Heating Condition. Microscopy and Microanalysis, 2019, 25, 1876-1877.	0.4	0