

Rongwei Hu

List of Publications by Year in descending order

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51
papers

1,619
citations

257450

24
h-index

289244

40
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all docs

51
docs citations

51
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	High Resolution S/Transmission Electron Microscopy Investigation of Ca ₃ Mn ₂ O ₇ Phase Transformation under In-situ Heating Condition. <i>Microscopy and Microanalysis</i> , 2019, 25, 1876-1877.	0.4	0
2	Beyond triplet: Unconventional superconductivity in a spin-3/2 topological semimetal. <i>Science Advances</i> , 2018, 4, eaao4513.	10.3	130
3	High Resolution S/TEM Imaging of High Density Domain Stacking and Coexisting Polar-nonpolar Phases in Layered Perovskite Ca ₃ Mn ₂ O ₇ . <i>Microscopy and Microanalysis</i> , 2018, 24, 1916-1917.	0.4	0
4	Vortex ferroelectric domains, large-loop weak ferromagnetic domains, and their decoupling in hexagonal (Lu, Sc)FeO ₃ . <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	50
5	Low-energy structural dynamics of ferroelectric domain walls in hexagonal rare-earth manganites. <i>Science Advances</i> , 2017, 3, e1602371.	10.3	52
6	Asymmetric Splitting of an Antiferromagnetic Resonance via Quartic Exchange Interactions in Multiferroic Hexagonal HoMnO_3 . <i>Physical Review Letters</i> , 2017, 119, 227601.	7.8	14
7	Normal state above the upper critical field in FeMnO_3 . <i>Physical Review B</i> , 2017, 95, .	3.2	2
8	Multiferroicity in doped hexagonal LuFe_3O_7 . <i>Physical Review B</i> , 2015, 92, .	3.2	60
9	Creating nanostructured superconductors on demand by local current annealing. <i>Physical Review B</i> , 2015, 92, .	3.2	10
10	Optical properties, lattice dynamics, and structural phase transition in hexagonal Hf_2O_7 crystals. <i>Physical Review B</i> , 2015, 92, .	3.2	12
11	Self-poling with oxygen off-stoichiometry in ferroelectric hexagonal manganites. <i>APL Materials</i> , 2015, 3, 041505.	5.1	26
12	Nodal to Nodeless Superconducting Energy-Gap Structure Change Concomitant with Fermi-Surface Reconstruction in the Heavy-Fermion Compound CeCoIn_5 . <i>Physical Review Letters</i> , 2015, 114, 027003.	7.8	32
13	Spin-liquid polymorphism in a correlated electron system on the threshold of superconductivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10316-10320.	7.1	28
14	Topological PdBi half-Heusler semimetals: A new family of noncentrosymmetric magnetic superconductors. <i>Science Advances</i> , 2015, 1, e1500242.	10.3	166
15	Wiedemann-Franz law and nonvanishing temperature scale across the field-tuned quantum critical point of YbRh_2Si_2 . <i>Physical Review Letters</i> , 2014, 113, 077201.	8.1	10
16	Signatures of the spin-phonon coupling in Si . <i>Physical Review Letters</i> , 2014, 113, 077201.	1.9	13
17	Effect of carbon doping on electronic transitions in Mn_5Ge_3 . <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	4
18	Enhancement of the thermoelectric properties in doped FeSb_2 bulk crystals. <i>Journal of Applied Physics</i> , 2012, 112, 013703.	2.5	21

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19	Multiband effects on \hat{I}^2 -FeSe single crystals. Physical Review B, 2012, 85, .	3.2	55
20	Phonon properties of CoSb ₂ single crystals. Journal of Physics Condensed Matter, 2012, 24, 135402.	1.8	4
21	Electronic Griffiths Phase in the Te-Doped Semiconductor FeSb ₂ . Physical Review Letters, 2012, 109, 256401.	7.8	11
22	Electronic thermoelectric power factor and metal-insulator transition in FeSb $\times 1.00$. Physical Review B, 2012, 86, .	3.2	36
23	Thermal destruction of spin-polaron bands in the narrow-gap correlated semiconductors FeGa ₃ and FeSb ₂ . Journal of Physics Condensed Matter, 2012, 24, 185601.	1.8	13
24	Iron chalcogenide superconductors at high magnetic fields. Science and Technology of Advanced Materials, 2012, 13, 054305.	6.1	34
25	Lattice dynamics of FeSb ₂ . Journal of Physics Condensed Matter, 2012, 24, 255402. Synthesis, crystal structure, and magnetism of \hat{I}^2 -Fe	1.8	8
26	Absence of localized spin magnetism in the narrow-gap semiconductor FeSb $\times 1.00$	3.2	61
27	Absence of localized spin magnetism in the narrow-gap semiconductor FeSb $\times 1.00$	3.2	14
28	Thermal evolution of the electric field gradient at 181 Ta in \hat{I}^2 -HfNi. Hyperfine Interactions, 2010, 196, 339-347.	0.5	1
29	Evidence for electron-phonon interaction in \hat{I}^2 -FeSb		

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37	Pressure evolution of a field-induced Fermi surface reconstruction and of the Néel critical field in CeIn_3 . Physical Review B, 2009, 79, .	3.2	21
38	Pressure-volume equation of state of FeAu and FePt. High Pressure Research, 2009, 29, 800-805.	1.2	4
39	Raman scattering study of the Fe_2P . Physical Review B, 2009, 80, .	1.2	1
40	Superconductivity, magnetism, and stoichiometry of single crystals of Fe_2P .		