

Jin-Ke Bao

List of Publications by Year in descending order

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73
papers

2,064
citations

257429

24
h-index

243610

44
g-index

74
all docs

74
docs citations

74
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Inorganic Halide Perovskites as Potential Thermoelectric Materials: Dynamic Cation off-Centering Induces Ultralow Thermal Conductivity. Journal of the American Chemical Society, 2020, 142, 9553-9563.	13.7	155
2	Superconductivity in Quasi-One-Dimensional $KxFe_2As_2$ Significant Electron Correlations. Physical Review X, 2015, 5, .	8.9	146
3	Unconventional superconductivity in quasi-one-dimensional $RbFe_2As_2$ Physical Review B, 2015, 91, .	14.0	140
4	Superconductivity in quasi-one-dimensional Cs ₂ Cr ₃ As ₃ with large interchain distance. Science China Materials, 2015, 58, 16-20.	6.3	132
5	Possible charge-density wave, superconductivity, and f -electron valence instability in $FuBiS_2$ Evidence for nodal superconductivity in quasi-one-dimensional $FuBiS_2$ Physical Review B, 2015, 91, .	3.2	112
6	NMR Investigation of the Quasi-One-Dimensional Superconductor KCr_3As_3 Physical Review Letters, 2015, 114, 147004.	3.2	97
7	Anomalous Eu Valence State and Superconductivity in Undoped $Ba_2Ti_2Fe_2As_4O$ Journal of the American Chemical Society, 2014, 136, 15386-15393.	13.7	82
8	$Ba_2Ti_2Fe_2As_4O$: A New Superconductor Containing Fe_2As_2 Layers and Ti_2O Sheets. Journal of the American Chemical Society, 2012, 134, 12893-12896.	13.7	71
9	Anisotropic superconductivity in $Eu(Fe_{0.75}Ru_{0.25})_2As_2$ ferromagnetic superconductor. Europhysics Letters, 2011, 95, 67007.	2.0	56
10	Magnetizing lead-free halide double perovskites. Science Advances, 2020, 6, .	10.3	56
11	Cluster spin-glass ground state in quasi-one-dimensional KCr_3As_3 Physical Review B, 2015, 91, .	3.2	48
12	Self-doping effect and successive magnetic transitions in superconducting Sr_2FeAs_2 Physical Review B, 2010, 82, .	3.2	46
13	Design and Synthesis of a New Layered Thermoelectric Material $LaPbBiS_3O$. Inorganic Chemistry, 2014, 53, 11125-11129.	4.0	43
14	RhO_2 Superconductivity, charge- or spin-density wave, and metal-nonmetal transition in $BaTi_2FeAs_2$ Physical Review B, 2010, 82, .	3.2	42
15			
16			

#	ARTICLE	IF	CITATIONS
19	<p>ferromagnetic metallic state in heavily doped Ba_{1-x}K_xMnO₃</p> <p>Synthesis, crystal structure and physical properties of quasi-one-dimensional ACr₃As₃ (A = Rb, Cs). Science China Materials, 2015, 58, 543-549.</p>	3.2	31
20	<p>Temperature and angular dependence of the upper critical field in K₂Cr₃As₃</p> <p>Physical Review B, 2017, 95, .</p>	3.2	28
22	<p>Insulator-to-metal transition and large thermoelectric effect in La_{1-x}Sr_xMnAsO.</p> <p>Europhysics Letters, 2012, 98, 17009.</p>	2.0	27
23	<p>Physical properties and electronic structure of Sr₂CrO₂ containing MnO₂</p> <p>Physical Review B, 2015, 92, .</p>	1.6	24
24	<p>Unique [Mn₆Bi₅]⁺ Nanowires in KMn₆Bi₅: A Quasi-One-Dimensional Antiferromagnetic Metal. Journal of the American Chemical Society, 2018, 140, 4391-4400.</p>	13.7	26
25	<p>Peculiar properties of -chain-based superconductors. Philosophical Magazine, 2017, 97, 591-611.</p>	1.6	24
26	<p>Anomalous critical fields and the absence of Meissner state in Eu(Fe_{0.88}Ir_{0.12})₂As₂ crystals. New Journal of Physics, 2013, 15, 113002.</p>	2.9	23
27	<p>Strongly fluctuating moments in the high-temperature magnetic superconductor RbEuFe₄Mn₄</p> <p>Magnetism and Crystallography</p>	3.2	20
28	<p>Si₂-type CeNi₂</p> <p>Effect of impurity scattering on superconductivity in K₂Cr₃As₃. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.</p>	5.1	20
29	<p>Effect of impurity scattering on superconductivity in K₂Cr₃As₃. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.</p>	5.1	20
30	<p>Correlation between superconductivity and bond angle of CrAs chain in non-centrosymmetric compounds A₂Cr₃As₃ (A = K, Rb). Scientific Reports, 2016, 6, 37878.</p>	3.3	19
31	<p>Penetration depth measurements of K₂Cr₃As₃ and Rb₂Cr₃As₃. Journal of Magnetism and Magnetic Materials, 2016, 400, 84-87.</p>	2.3	19
32	<p>Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.</p>	12.8	17
33	<p>Melting of vortex lattice in the magnetic superconductor RbEuFe₄Mn₄</p> <p>Physical Review B, 2019, 100, .</p>	3.2	15
34	<p>Self-induced magnetic flux structure in the magnetic superconductor RbEuFe₄Mn₄</p> <p>Physical Review B, 2019, 99, .</p>	3.2	15
35	<p>of pristine and proton-irradiated single crystals of the magnetically ordered superconductor RbEuFe₄Mn₄As₄</p> <p>Physical Review B, .</p>	3.2	15
36	<p>Observing the Suppression of Superconductivity in RbEuFe₄Mn₄ by Correlated Magnetic Fluctuations. Physical Review Letters, 2021, 126, 157001.</p>	7.8	15

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37	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCu ₄ Se ₄ Synthesized by a Unique Pathway. <i>Journal of the American Chemical Society</i> , 2019, 141, 635-642.	13.7	14
38	Coexistence of superconductivity and complex 4 <i>f</i> magnetism in Eu _{0.5} Ce _{0.5} BiS ₂ F. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 385701.	1.8	12
39	Sr _{0.9} K _{0.1} Zn _{1.8} Mn _{0.2} As ₂ : A ferromagnetic semiconductor with colossal magnetoresistance. <i>Europhysics Letters</i> , 2014, 107, 67007.	2.0	11
40	Superconductivity induced by aging and annealing in K _{1-x} Cr ₃ As ₃ H _x . <i>Physical Review Materials</i> , 2019, 3, .	2.4	11
41	Evolution of superconductivity and ferromagnetism in Eu(Fe _{1-x} Ru _x) ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012, 400, 022038.	0.4	10
42	Synthesis, crystal structure and physical properties of a new oxypnictide Ba ₂ Ti ₂ Cr ₂ As ₄ O containing [Ti ₂ As ₂ O] ₂ and [Cr ₂ As ₂] ₂ layers. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1149-1153.	5.5	10
43	Antiferromagnetic Semiconductor BaFMn _{0.5} Te with Unique Mn Ordering and Red Photoluminescence. <i>Journal of the American Chemical Society</i> , 2019, 141, 17421-17430.	13.7	10
44	Pressure-temperature phase diagram of the EuRbFe ₄ As ₄ superconductor. <i>Physical Review B</i> , 2019, 99, .	3.2	10
45	Magnetization-governed magnetoresistance anisotropy in the topological semimetal CeBi. <i>Physical Review B</i> , 2019, 100, .	3.2	10
46	Orthorhombic charge density wave on the tetragonal lattice of EuAl ₄ . <i>IUCr</i> , 2022, 9, 378-385.	2.2	10
47	Multiband superconductivity in Ta ₄ Pd ₃ Te ₁₆ with anisotropic gap structure. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 325701.	1.8	9
48	Pressure-Induced Superconductivity and Flattened Se ₆ Rings in the Wide Band Gap Semiconductor Cu ₂ I ₂ Se ₆ . <i>Journal of the American Chemical Society</i> , 2019, 141, 15174-15182.	13.7	9
49	Steplike metamagnetic transitions in a honeycomb lattice antiferromagnet $TbMn_2As_2$. <i>Physical Review Materials</i> , 2019, 3, .		
50	Superconductivity and Structural Conversion with Na and K Doping of the Narrow-Gap Semiconductor CsBi ₄ Te ₆ . <i>Chemistry of Materials</i> , 2018, 30, 5293-5304.	6.7	8
51	A Natural 2D Heterostructure [Pb _{3.1} Sb _{0.9} S ₄][Au _x Te ₂] with Large Transverse Nonsaturating Negative Magnetoresistance and High Electron Mobility. <i>Journal of the American Chemical Society</i> , 2019, 141, 7544-7553.	13.7	8
52	Two superconducting domes separated by a possible Lifshitz transition in LaFeAs _{1-x} PxO. <i>Journal of Applied Physics</i> , 2016, 119, 083903.	2.5	7
53	Anisotropic upper critical magnetic fields in Rb ₂ Cr ₃ As ₃ superconductor. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 424002.	1.8	7
54	Cooperative response of magnetism and superconductivity in the magnetic superconductor RbEuF ₄ . <i>Physical Review B</i> , 2019, 100, 020401.	3.2	7

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55	Magnetic and superconducting anisotropy in Ni-doped $\text{RbEuFe}_4\text{As}_2$ single crystals. <i>Physical Review B</i> , 2020, 101, .	6.1	6
56	Modulated crystal structure of the atypical charge density wave state of single-crystal $\text{Lu}_2\text{Pt}_2\text{Si}_2$. <i>Physical Review B</i> , 2021, 104, .	8.2	7
57	Growth and characterizations of $\text{Ba}_2\text{Ti}_2\text{Fe}_2\text{As}_4\text{O}$ single crystals. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 055008.	6.1	6
58	Unconventional Defects in a Quasi-One-Dimensional KMn_6Bi_5 . <i>Nano Letters</i> , 2019, 19, 7476-7486.	9.1	6
59	Pressure-Induced Superconductivity in the Wide-Band-Gap Semiconductor $\text{Cu}_2\text{Br}_2\text{Se}_6$ with a Robust Framework. <i>Chemistry of Materials</i> , 2020, 32, 6237-6246.	6.7	6
60	Lithium Thiostannate Spinels: Air-Stable Cubic Semiconductors. <i>Chemistry of Materials</i> , 2021, 33, 2080-2089.	6.7	6
61	Spin quenching assisted by a strongly anisotropic compression behavior in MnP . <i>New Journal of Physics</i> , 2018, 20, 023012.	2.9	5
62	KCu_7P_3 : A Two-Dimensional Noncentrosymmetric Metallic Pnictide. <i>Inorganic Chemistry</i> , 2019, 58, 10201-10208.	4.0	5
63	$\text{YR}_u\text{InG}_{12}$. <i>Phys Rev B</i> , 2021, 103, 020401.	2.4	5
64	Commensurate Stacking Phase Transitions in an Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2022, 34, e2108550.	21.0	5
65	Observation of multilayer quantum Hall effect in the charge density wave material $\text{CaCu}_4\text{P}_2\text{O}_{14}$. <i>Physical Review Research</i> , 2022, 4, .	7.0	4
66	Variable range hopping conductivity and spin glass behavior in spin-ladder $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{Se}_3$ single crystals. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 026002.	1.8	3
67	Superconductivity in Y_4RuGe_8 with a Vacancy-Ordered CeNiSi_2 -Type Superstructure. <i>Chemistry of Materials</i> , 2021, 33, 7839-7847.	6.7	3
68	Enormous electron-electron scattering in the filled-cage cubic compound $\text{Ba}_2\text{Pt}_{10}\text{Te}_4$. <i>Phys Rev B</i> , 2021, 103, 020401.	2.4	3
69	Quasi-Two-Dimensional Heterostructures ($\text{K}_x\text{M}_y\text{Te}$) (LaTe_3) ($x, y = \text{Mn and Zn}$) with Charge Density Waves. <i>Chemistry of Materials</i> , 2021, 33, 2155-2164.	6.7	2
70	A Noncentrosymmetric Polymorph of LuRuGe . <i>Inorganic Chemistry</i> , 2021, 60, 7827-7833.	4.0	2
71	Role of Anomalous Channeling on HAADF in a Quasi-ID KMn_6Bi_5 Structure. <i>Microscopy and Microanalysis</i> , 2018, 24, 1704-1705.	0.4	0
72	Une Étude cristallographique: superspace description of a commensurate composite cocrystal of $4,4'$ -dinitrobiphenyl and biphenyl. <i>CrystEngComm</i> , 2022, 24, 512-517.	2.6	0

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73	Magnetodielectric effect and significant magnetoelectric coupling of Co ₃ NiNb ₂ O ₉ single crystal. <i>Ceramics International</i> , 2022, 48, 25064-25069.	4.8	0