

Jin-Ke Bao

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71
papers

1,431
citations

20
h-index

36
g-index

74
ext. papers

1,774
ext. citations

6
avg, IF

4.26
L-index

#	Paper	IF	Citations
71	Unconventional superconductivity in quasi-one-dimensional Rb ₂ Cr ₃ As ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	108
70	Superconductivity in Quasi-One-Dimensional K ₂ Cr ₃ As ₃ with Significant Electron Correlations. <i>Physical Review X</i> , 2015 , 5,	9.1	102
69	Superconductivity in quasi-one-dimensional Cs ₂ Cr ₃ As ₃ with large interchain distance. <i>Science China Materials</i> , 2015 , 58, 16-20	7.1	99
68	Possible charge-density wave, superconductivity, and f-electron valence instability in EuBi ₂ S ₂ F. <i>Physical Review B</i> , 2014 , 90,	3.3	93
67	Evidence for nodal superconductivity in quasi-one-dimensional K ₂ Cr ₃ As ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	75
66	NMR investigation of the quasi-one-dimensional superconductor K(2)Cr(3)As(3). <i>Physical Review Letters</i> , 2015 , 114, 147004	7.4	68
65	Anomalous Eu valence state and superconductivity in undoped Eu ₃ Bi ₂ S ₄ F ₄ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 15386-93	16.4	67
64	All-Inorganic Halide Perovskites as Potential Thermoelectric Materials: Dynamic Cation off-Centering Induces Ultralow Thermal Conductivity. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9553-9563	16.4	64
63	Ba ₂ Ti ₂ Fe ₂ As ₄ O: A new superconductor containing Fe ₂ As ₂ layers and Ti ₂ O sheets. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12893-6	16.4	62
62	Anisotropic superconductivity in Eu(Fe _{0.75} Ru _{0.25}) ₂ As ₂ ferromagnetic superconductor. <i>Europhysics Letters</i> , 2011 , 95, 67007	1.6	46
61	Self-doping effect and successive magnetic transitions in superconducting Sr ₂ VFeAsO ₃ . <i>Physical Review B</i> , 2010 , 82,	3.3	41
60	Li ₂ RhO ₃ : A spin-glassy relativistic Mott insulator. <i>Physical Review B</i> , 2013 , 87,	3.3	36
59	Cluster spin-glass ground state in quasi-one-dimensional KCr ₃ As ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	35
58	Superconductivity, charge- or spin-density wave, and metal-nonmetal transition in BaTi ₂ (Sb _{1-x} Bi _x) ₂ O. <i>Physical Review B</i> , 2013 , 87,	3.3	33
57	Weakly ferromagnetic metallic state in heavily doped Ba _{1-x} K _x Mn ₂ As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	29
56	Design and synthesis of a new layered thermoelectric material LaPbBiS ₃ O. <i>Inorganic Chemistry</i> , 2014 , 53, 11125-9	5.1	28
55	Single Crystal Growth and Study of the Ferromagnetic Superconductor RbEuFe ₄ As ₄ . <i>Crystal Growth and Design</i> , 2018 , 18, 3517-3523	3.5	26

54	Magnetizing lead-free halide double perovskites. <i>Science Advances</i> , 2020 , 6,	14.3	25
53	Anisotropic superconductivity and magnetism in single-crystal RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2018 , 98,	3.3	24
52	Synthesis, crystal structure and physical properties of quasi-one-dimensional ACr ₃ As ₃ (A = Rb, Cs). <i>Science China Materials</i> , 2015 , 58, 543-549	7.1	21
51	Temperature and angular dependence of the upper critical field in K ₂ Cr ₃ As ₃ . <i>Physical Review B</i> , 2017 , 95,	3.3	19
50	Insulator-to-metal transition and large thermoelectric effect in La _{1-x} Sr _x MnAsO. <i>Europhysics Letters</i> , 2012 , 98, 17009	1.6	19
49	Magnetism and crystalline electric field effect in ThCr ₂ Si ₂ -type CeNi ₂ As ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	18
48	Peculiar properties of -chain-based superconductors. <i>Philosophical Magazine</i> , 2017 , 97, 591-611	1.6	17
47	Penetration depth measurements of K ₂ Cr ₃ As ₃ and Rb ₂ Cr ₃ As ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 84-87	2.8	17
46	Anomalous critical fields and the absence of Meissner state in Eu(Fe _{0.88} Ir _{0.12}) ₂ As ₂ crystals. <i>New Journal of Physics</i> , 2013 , 15, 113002	2.9	17
45	Physical properties and electronic structure of Sr ₂ Cr ₃ As ₂ O ₂ containing CrO ₂ and Cr ₂ As ₂ square-planar lattices. <i>Physical Review B</i> , 2015 , 92,	3.3	16
44	Correlation between superconductivity and bond angle of CrAs chain in non-centrosymmetric compounds ACrAs (A = K, Rb). <i>Scientific Reports</i> , 2016 , 6, 37878	4.9	15
43	Strongly fluctuating moments in the high-temperature magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	14
42	Unique [MnBi] Nanowires in KMnBi: A Quasi-One-Dimensional Antiferromagnetic Metal. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4391-4400	16.4	14
41	Effect of impurity scattering on superconductivity in K ₂ Cr ₃ As ₃ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2016 , 59, 1	3.6	13
40	Coexistence of superconductivity and complex 4 f magnetism in Eu _{0.5} Ce _{0.5} BiS ₂ F. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 385701	1.8	11
39	Self-induced magnetic flux structure in the magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	9
38	Anisotropic upper critical field of pristine and proton-irradiated single crystals of the magnetically ordered superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2019 , 100,	3.3	9
37	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCuSe Synthesized by a Unique Pathway. <i>Journal of the American Chemical Society</i> , 2019 , 141, 635-642	16.4	9

36	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. <i>Nature Communications</i> , 2019 , 10, 2875	17.4	8
35	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	1.6	8
34	Evolution of superconductivity and ferromagnetism in Eu(Fe $\bar{1}$ Rux)2As2. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022038	0.3	8
33	Pressure-Induced Superconductivity and Flattened Se Rings in the Wide Band Gap Semiconductor CuSe. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15174-15182	16.4	7
32	Superconductivity and Structural Conversion with Na and K Doping of the Narrow-Gap Semiconductor CsBi4Te6. <i>Chemistry of Materials</i> , 2018 , 30, 5293-5304	9.6	7
31	Melting of vortex lattice in the magnetic superconductor RbEuFe4As4. <i>Physical Review B</i> , 2019 , 100,	3.3	6
30	A Natural 2D Heterostructure [PbSbS][Au Te] with Large Transverse Nonsaturating Negative Magnetoresistance and High Electron Mobility. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7544-7553	16.4	6
29	Multiband superconductivity in Ta4Pd3Te16 with anisotropic gap structure. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 325701	1.8	6
28	Growth and characterizations of BaTiFeAsO single crystals. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 055008	7.1	6
27	Antiferromagnetic Semiconductor BaFMnTe with Unique Mn Ordering and Red Photoluminescence. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17421-17430	16.4	5
26	Pressure-temperature phase diagram of the EuRbFe4As4 superconductor. <i>Physical Review B</i> , 2019 , 99,	3.3	5
25	Observing the Suppression of Superconductivity in RbEuFe_{4}As_{4} by Correlated Magnetic Fluctuations. <i>Physical Review Letters</i> , 2021 , 126, 157001	7.4	5
24	Synthesis, crystal structure and physical properties of a new oxypnictide Ba2Ti2Cr2As4O containing [Ti2As2O]2 and [Cr2As2]2 layers. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 1149-1153	5.7	4
23	Pressure-Induced Superconductivity in the Wide-Band-Gap Semiconductor Cu2Br2Se6 with a Robust Framework. <i>Chemistry of Materials</i> , 2020 , 32, 6237-6246	9.6	4
22	Superconductivity in Y7Ru4InGe12. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
21	Superconductivity induced by aging and annealing in K1Cr3As3Hx. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
20	Two superconducting domes separated by a possible Lifshitz transition in LaFeAs1PxO. <i>Journal of Applied Physics</i> , 2016 , 119, 083903	2.5	4
19	Lithium Thiostannate Spinel: Air-Stable Cubic Semiconductors. <i>Chemistry of Materials</i> , 2021 , 33, 2080-2089	9.9	4

18	Unconventional Defects in a Quasi-One-Dimensional KMnBi. <i>Nano Letters</i> , 2019 , 19, 7476-7486	11.5	3
17	Cooperative response of magnetism and superconductivity in the magnetic superconductor RbEuFe ₄ As ₄ . <i>Physical Review B</i> , 2020 , 101,	3.3	3
16	Magnetic and superconducting anisotropy in Ni-doped RbEuFe ₄ As ₄ single crystals. <i>Physical Review B</i> , 2020 , 101,	3.3	3
15	Variable range hopping conductivity and spin glass behavior in spin-ladder Ba _{0.6} K _{0.4} Fe ₂ Se ₃ single crystals. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 026002	1.8	3
14	Magnetization-governed magnetoresistance anisotropy in the topological semimetal CeBi. <i>Physical Review B</i> , 2019 , 100,	3.3	3
13	Spin quenching assisted by a strongly anisotropic compression behavior in MnP. <i>New Journal of Physics</i> , 2018 , 20, 023012	2.9	2
12	KCuP: A Two-Dimensional Noncentrosymmetric Metallic Pnictide. <i>Inorganic Chemistry</i> , 2019 , 58, 10201-10208	10.2	2
11	Anisotropic upper critical magnetic fields in RbCrAs superconductor. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 424002	1.8	2
10	A Noncentrosymmetric Polymorph of LuRuGe. <i>Inorganic Chemistry</i> , 2021 , 60, 7827-7833	5.1	2
9	Modulated crystal structure of the atypical charge density wave state of single-crystal Lu ₂ Ir ₃ Si ₅ . <i>Physical Review B</i> , 2021 , 104,	3.3	2
8	Enormous electron-electron scattering in the filled-cage cubic compound Ba ₁₀ Ti ₂₄ Bi ₃₉ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	1
7	Steplike metamagnetic transitions in a honeycomb lattice antiferromagnet Tb ₂ Ir ₃ Ga ₉ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	1
6	Quasi-Two-Dimensional Heterostructures (KM _{1-x} Te _x)(LaTe ₃) (M = Mn and Zn) with Charge Density Waves. <i>Chemistry of Materials</i> , 2021 , 33, 2155-2164	9.6	1
5	Superconductivity in Y ₄ RuGe ₈ with a Vacancy-Ordered CeNiSi ₂ -Type Superstructure. <i>Chemistry of Materials</i> ,	9.6	1
4	Commensurate Stacking Phase Transitions in an Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021 , e2108550	24	1
3	Orthorhombic charge density wave on the tetragonal lattice of EuAl ₃ . <i>IUCrJ</i> , 2022 , 9, 378-385	4.7	1
2	Une Étude cristallographique: superspace description of a commensurate composite cocrystal of 4,4'-dinitrobiphenyl and biphenyl. <i>CrystEngComm</i> , 2022 , 24, 512-517	3.3	
1	Role of Anomalous Channeling on HAADF in a Quasi-ID KMn ₆ Bis Structure. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1704-1705	0.5	

