Jin-Ke Bao

List of Publications by Year in Descending Order

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	Une Ėude cristallographique: superspace description of a commensurate composite cocrystal of 4,4?-dinitrobiphenyl and biphenyl. *CrystEngComm*, **2022**, 24, 512-517	3.3	
70	Orthorhombic charge density wave on the tetragonal lattice of EuAl.. *IUCrJ*, **2022**, 9, 378-385	4.7	1
69	Quasi-Two-Dimensional Heterostructures (KM1ĖxTe)(LaTe3) (M = Mn and Zn) with Charge Density Waves. *Chemistry of Materials*, **2021**, 33, 2155-2164	9.6	1
68	Observing the Suppression of Superconductivity in RbEuFe_{4}As_{4} by Correlated Magnetic Fluctuations. *Physical Review Letters*, **2021**, 126, 157001	7.4	5
67	A Noncentrosymmetric Polymorph of LuRuGe. *Inorganic Chemistry*, **2021**, 60, 7827-7833	5.1	2
66	Lithium Thiostannate Spinels: Air-Stable Cubic Semiconductors. *Chemistry of Materials*, **2021**, 33, 2080-2089	9.6	4
65	Modulated crystal structure of the atypical charge density wave state of single-crystal Lu2Ir3Si5. *Physical Review B*, **2021**, 104,	3.3	2
64	Commensurate Stacking Phase Transitions in an Intercalated Transition Metal Dichalcogenide. *Advanced Materials*, **2021**, e2108550	24	1
63	Magnetizing lead-free halide double perovskites. *Science Advances*, **2020**, 6,	14.3	25
62	Cooperative response of magnetism and superconductivity in the magnetic superconductor RbEuFe4As4. *Physical Review B*, **2020**, 101,	3.3	3
61	Pressure-Induced Superconductivity in the Wide-Band-Gap Semiconductor Cu2Br2Se6 with a Robust Framework. *Chemistry of Materials*, **2020**, 32, 6237-6246	9.6	4
60	Magnetic and superconducting anisotropy in Ni-doped RbEuFe4As4 single crystals. *Physical Review B*, **2020**, 101,	3.3	3
59	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	16.4	64
58	Pressure-Induced Superconductivity and Flattened Se Rings in the Wide Band Gap Semiconductor CuISe. *Journal of the American Chemical Society*, **2019**, 141, 15174-15182	16.4	7
57	Melting of vortex lattice in the magnetic superconductor RbEuFe4As4. *Physical Review B*, **2019**, 100,	3.3	6
56	Unconventional Defects in a Quasi-One-Dimensional KMnBi. *Nano Letters*, **2019**, 19, 7476-7486	11.5	3
55	Antiferromagnetic Semiconductor BaFMnTe with Unique Mn Ordering and Red Photoluminescence. *Journal of the American Chemical Society*, **2019**, 141, 17421-17430	16.4	5

54	Strongly fluctuating moments in the high-temperature magnetic superconductor RbEuFe4As4. *Physical Review B*, **2019**, 99,	3.3	14
53	Self-induced magnetic flux structure in the magnetic superconductor RbEuFe4As4. *Physical Review B*, **2019**, 99,	3.3	9
52	Pressure-temperature phase diagram of the EuRbFe4As4 superconductor. *Physical Review B*, **2019**, 99,	3.3	5
51	A Natural 2D Heterostructure [PbSbS][Au Te] with Large Transverse Nonsaturating Negative Magnetoresistance and High Electron Mobility. *Journal of the American Chemical Society*, **2019**, 141, 7544-7553	16.4	6
50	KCuP: A Two-Dimensional Noncentrosymmetric Metallic Pnictide. *Inorganic Chemistry*, **2019**, 58, 10201-10208	3.2	2
49	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. *Nature Communications*, **2019**, 10, 2875	17.4	8
48	Superconductivity in Y7Ru4InGe12. *Physical Review Materials*, **2019**, 3,	3.2	4
47	Enormous electron-electron scattering in the filled-cage cubic compound Ba10Ti24Bi39. *Physical Review Materials*, **2019**, 3,	3.2	1
46	Steplike metamagnetic transitions in a honeycomb lattice antiferromagnet Tb2Ir3Ga9. *Physical Review Materials*, **2019**, 3,	3.2	1
45	Superconductivity induced by aging and annealing in K1□r3As3Hx. *Physical Review Materials*, **2019**, 3,	3.2	4
44	Anisotropic upper critical field of pristine and proton-irradiated single crystals of the magnetically ordered superconductor RbEuFe4As4. *Physical Review B*, **2019**, 100,	3.3	9
43	Magnetization-governed magnetoresistance anisotropy in the topological semimetal CeBi. *Physical Review B*, **2019**, 100,	3.3	3
42	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCuSe Synthesized by a Unique Pathway. *Journal of the American Chemical Society*, **2019**, 141, 635-642	16.4	9
41	Unique [MnBi] Nanowires in KMnBi: A Quasi-One-Dimensional Antiferromagnetic Metal. *Journal of the American Chemical Society*, **2018**, 140, 4391-4400	16.4	14
40	Single Crystal Growth and Study of the Ferromagnetic Superconductor RbEuFe4As4. *Crystal Growth and Design*, **2018**, 18, 3517-3523	3.5	26
39	Spin quenching assisted by a strongly anisotropic compression behavior in MnP. *New Journal of Physics*, **2018**, 20, 023012	2.9	2
38	Superconductivity and Structural Conversion with Na and K Doping of the Narrow-Gap Semiconductor CsBi4Te6. *Chemistry of Materials*, **2018**, 30, 5293-5304	9.6	7
37	Role of Anomalous Channeling on HAADF in a Quasi-ID KMn6Bis Structure. *Microscopy and Microanalysis*, **2018**, 24, 1704-1705	0.5	

36	Anisotropic superconductivity and magnetism in single-crystal RbEuFe4As4. *Physical Review B*, **2018**, 98,	3.3	24
35	Temperature and angular dependence of the upper critical field in K2Cr3As3. *Physical Review B*, **2017**, 95,	3.3	19
34	Peculiar properties of -chain-based superconductors. *Philosophical Magazine*, **2017**, 97, 591-611	1.6	17
33	Synthesis, crystal structure and physical properties of a new oxypnictide Ba2Ti2Cr2As4O containing [Ti2As2O]2□and [Cr2As2]2□layers. *Journal of Alloys and Compounds*, **2017**, 694, 1149-1153	5.7	4
32	Anisotropic upper critical magnetic fields in RbCrAs superconductor. *Journal of Physics Condensed Matter*, **2017**, 29, 424002	1.8	2
31	Penetration depth measurements of K2Cr3As3 and Rb2Cr3As3. *Journal of Magnetism and Magnetic Materials*, **2016**, 400, 84-87	2.8	17
30	Effect of impurity scattering on superconductivity in K2Cr3As3. *Science China: Physics, Mechanics and Astronomy*, **2016**, 59, 1	3.6	13
29	Correlation between superconductivity and bond angle of CrAs chain in non-centrosymmetric compounds ACrAs (A = K, Rb). *Scientific Reports*, **2016**, 6, 37878	4.9	15
28	Two superconducting domes separated by a possible Lifshitz transition in LaFeAs1□PxO. *Journal of Applied Physics*, **2016**, 119, 083903	2.5	4
27	Superconductivity in quasi-one-dimensional Cs2Cr3As3 with large interchain distance. *Science China Materials*, **2015**, 58, 16-20	7.1	99
26	Multiband superconductivity in Ta4Pd3Te16 with anisotropic gap structure. *Journal of Physics Condensed Matter*, **2015**, 27, 325701	1.8	6
25	NMR investigation of the quasi-one-dimensional superconductor K(2)Cr(3)As(3). *Physical Review Letters*, **2015**, 114, 147004	7.4	68
24	Coexistence of superconductivity and complex 4 f magnetism in Eu0.5Ce0.5BiS2F. *Journal of Physics Condensed Matter*, **2015**, 27, 385701	1.8	11
23	Superconductivity in Quasi-One-Dimensional K2Cr3As3 with Significant Electron Correlations. *Physical Review X*, **2015**, 5,	9.1	102
22	Cluster spin-glass ground state in quasi-one-dimensional KCr3As3. *Physical Review B*, **2015**, 91,	3.3	35
21	Evidence for nodal superconductivity in quasi-one-dimensional K2Cr3As3. *Physical Review B*, **2015**, 91,	3.3	75
20	Physical properties and electronic structure of Sr2Cr3As2O2 containing CrO2 and Cr2As2 square-planar lattices. *Physical Review B*, **2015**, 92,	3.3	16
19	Synthesis, crystal structure and physical properties of quasi-one-dimensional ACr3As3(A = Rb, Cs). *Science China Materials*, **2015**, 58, 543-549	7.1	21

18	Unconventional superconductivity in quasi-one-dimensional Rb2Cr3As3. *Physical Review B*, **2015**, 91,	3.3	108
17	Design and synthesis of a new layered thermoelectric material LaPbBiS3O. *Inorganic Chemistry*, **2014**, 53, 11125-9	5.1	28
16	Possible charge-density wave, superconductivity, and f-electron valence instability in EuBiS2F. *Physical Review B*, **2014**, 90,	3.3	93
15	Anomalous Eu valence state and superconductivity in undoped Eu3Bi2S4F4. *Journal of the American Chemical Society*, **2014**, 136, 15386-93	16.4	67
14	Sr 0.9 K 0.1 Zn 1.8 Mn 0.2 As 2 : A ferromagnetic semiconductor with colossal magnetoresistance. *Europhysics Letters*, **2014**, 107, 67007	1.6	8
13	Variable range hopping conductivity and spin glass behavior in spin-ladder Ba0.6K0.4Fe2Se3 single crystals. *Journal of Physics Condensed Matter*, **2014**, 26, 026002	1.8	3
12	Superconductivity, charge- or spin-density wave, and metal-nonmetal transition in BaTi2(Sb1−xBix)2O. *Physical Review B*, **2013**, 87,	3.3	33
11	Anomalous critical fields and the absence of Meissner state in Eu(Fe0.88Ir0.12)2As2crystals. *New Journal of Physics*, **2013**, 15, 113002	2.9	17
10	Li2RhO3: A spin-glassy relativistic Mott insulator. *Physical Review B*, **2013**, 87,	3.3	36
9	Growth and characterizations of BaTiFeAsO single crystals. *Science and Technology of Advanced Materials*, **2013**, 14, 055008	7.1	6
8	Evolution of superconductivity and ferromagnetism in Eu(Fe1−xRux)2As2. *Journal of Physics: Conference Series*, **2012**, 400, 022038	0.3	8
7	Ba2Ti2Fe2As4O: A new superconductor containing Fe2As2 layers and Ti2O sheets. *Journal of the American Chemical Society*, **2012**, 134, 12893-6	16.4	62
6	Weakly ferromagnetic metallic state in heavily doped Ba1−xKxMn2As2. *Physical Review B*, **2012**, 85,	3.3	29
5	Magnetism and crystalline electric field effect in ThCr2Si2-type CeNi2As2. *Physical Review B*, **2012**, 86,	3.3	18
4	Insulator-to-metal transition and large thermoelectric effect in La 1− Sr x MnAsO. *Europhysics Letters*, **2012**, 98, 17009	1.6	19
3	Anisotropic superconductivity in Eu(Fe 0.75 Ru 0.25) 2 As 2 ferromagnetic superconductor. *Europhysics Letters*, **2011**, 95, 67007	1.6	46
2	Self-doping effect and successive magnetic transitions in superconducting Sr2VFeAsO3. *Physical Review B*, **2010**, 82,	3.3	41
1	Superconductivity in Y4RuGe8 with a Vacancy-Ordered CeNiSi2-Type Superstructure. *Chemistry of Materials*,	9.6	1