

A S Sefat

List of Publications by Year in descending order

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242
papers

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33972

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259
all docs

259
docs citations

259
times ranked

8300
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity at 22 K in Co-Doped BaFe_2As_2 . Physical Review Letters, 2008, 101, 117004.	36.2	497
2	Two-band superconductivity in $\text{LaFeAsO}_{0.89}\text{F}_{0.11}$ at very high magnetic fields. Nature, 2008, 453, 903-905.	36.2	497
3	Bulk superconductivity at 14 K in single crystals of FeAsO . Physical Review B, 2009, 79, .	3.3	406
4	Small anisotropy, weak thermal fluctuations, and high field superconductivity in Co-doped iron pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Applied Physics Letters, 2009, 94, .	3.2	342
5	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. Physical Review Letters, 2010, 105, 157003.	8.0	323
6	Superconductivity in LaFeAsO . Physical Review B, 2008, 78, .	3.3	301
7	Phase transitions in LaFeAsO : Structural, magnetic, elastic, and transport properties, heat capacity and Mössbauer spectra. Physical Review B, 2008, 78, .	3.3	288
8	New Fe-based superconductors: properties relevant for applications. Superconductor Science and Technology, 2010, 23, 034003.	3.5	259
9	Two-dimensional resonant magnetic excitation in $\text{BaFe}_{1.84}\text{Co}_{0.16}\text{As}_2$. Physical Review Letters, 2009, 102, 107005.	8.0	238
10	Contrasting Spin Dynamics between Underdoped and Overdoped $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review Letters, 2010, 104, 037001.	8.0	235
11	Electronic correlations in the superconductor $\text{LaFeO}_{0.89}\text{Fe}_{0.11}\text{As}$. Physical Review Letters, 2010, 104, 037001.	3.3	214
12	Modification of Ni-Rich FCG NMC and NCA Cathodes by Atomic Layer Deposition: Preventing Surface Phase Transitions for High-Voltage Lithium-Ion Batteries. Scientific Reports, 2016, 6, 26532.	3.4	202
13	Spin Susceptibility, Phase Diagram, and Quantum Criticality in the Electron-Doped High T_c Superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Journal of the Physical Society of Japan, 2009, 78, 013711.	1.6	161
14	Static and Dynamic Magnetism in Underdoped Superconductor $\text{BaFe}_{1.92}\text{Co}_{0.08}\text{As}_2$. Physical Review Letters, 2009, 103, 087002.	8.0	151
15	Evolution of spin excitations into the superconducting state in $\text{FeTe}_{1-x}\text{Sex}$. Nature Physics, 2010, 6, 182-186.	11.8	151
16	Investigating phase transformation in the $\text{Li}_{1.2}\text{Co}_{0.1}\text{Mn}_{0.55}\text{Ni}_{0.15}\text{O}_2$ lithium-ion battery cathode during high-voltage hold (4.5 V) via magnetic, X-ray diffraction and electron microscopy studies. Journal of Materials Chemistry A, 2013, 1, 6249.	10.5	128
17	Comparative high-field magnetotransport of the oxypnictide superconductors LaFeAsO and $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2009, 79, .	3.3	125

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19	Anisotropy of the Upper Critical Field in a Co-Doped BaFe_2As_2 Single Crystal. Journal of the Physical Society of Japan, 2009, 78, 084719.	1.6	119
20	Correlating cation ordering and voltage fade in a lithium-manganese-rich lithium-ion battery cathode oxide: a joint magnetic susceptibility and TEM study. Physical Chemistry Chemical Physics, 2013, 15, 19496.	2.9	116
21	Electronic structure and magnetism in BaMn_2 . Physical Review B, 2009, 79, 080401.	3.3	113
22	Renormalized behavior and proximity of BaCo_2 a magnetic quantum critical point. Physical Review B, 2009, 79, 080402.	3.3	113
23	Influence of the rare-earth element on the effects of the structural and magnetic phase transitions in CeFeAsO , PrFeAsO and NdFeAsO . New Journal of Physics, 2009, 11, 025011.	2.9	109
24	Evidence for Strong Itinerant Spin Fluctuations in the Normal State of $\text{CeFeAsO}_{0.89}\text{F}_{0.11}$ Iron-Oxypnictide Superconductors. Physical Review Letters, 2008, 101, 267001.	3.3	106
25	Absence of superconductivity in hole-doped BaFe_2 crystals. Physical Review B, 2009, 79, 080403.	3.3	102
26	Structure and anisotropic properties of BaFe_2		

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37	<p>Collapsing magnetic ground states in non-superconducting BaFe_2As_2</p> <p>Physical Review Letters, 2012, 108, 147002.</p>	3.3	70
38	<p>Electronic Correlations and Unconventional Spectral Weight Transfer in the High-Temperature Pnictide BaFe_2As_2</p> <p>Using Infrared Spectroscopy. Physical Review Letters, 2012, 108, 147002.</p>	8.0	69
39	<p>Collapsed tetragonal phase and superconductivity of BaFe_2As_2 at high pressure. Physical Review B, 2010, 82, .</p>	3.3	68
40	<p>Phonon Density of States of LaFeAsO</p> <p>Physical Review Letters, 2008, 101, 157004.</p>	8.0	66
41	<p>Field-induced magnetic transition and spin fluctuations in the quantum spin-liquid candidate CsYbSe_2</p> <p>Physical Review B, 2019, 100, .</p>	3.3	66
42	<p>Infrared Measurement of the Pseudogap of P-Doped and Co-Doped High-Temperature BaFe_2As_2</p> <p>Physical Review Letters, 2012, 109, 027006.</p>	8.0	64
43	<p>Itinerant antiferromagnetism in BaCr_2As_2</p> <p>Experimental characterization and electronic structure calculations. Physical Review B, 2009, 79, .</p>	3.3	63
44	<p>Unusual Relationship between Magnetism and Superconductivity in $\text{FeTe}_{0.5}\text{Se}_{0.5}$</p> <p>Physical Review Letters, 2010, 104, 187002.</p>	8.0	63
45	<p>Surface Geometric and Electronic Structures of BaFe_2As_2</p> <p>Physical Review B, 2010, 81, .</p>	3.3	60
46	<p>Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor $\text{LaO}_{0.89}\text{F}_{0.11}\text{FeAs}$. Applied Physics Letters, 2008, 92, 252501.</p>	3.2	59
47	<p>Doping-dependent specific heat study of the superconducting gap in BaFe_2As_2</p> <p>Physical Review B, 2010, 81, .</p>	3.3	59
48	<p>Superconducting behavior in one-dimensional BaFe_2As_2</p>		
49	<p>Surface Geometric and Electronic Structures of BaFe_2As_2</p>		

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55	Crystal Growth of New Hexahydroxometallates Using a Hydroflux. Inorganic Chemistry, 2013, 52, 11723-11733.	4.2	51
56	Magnetic excitations in the geometric frustrated multiferroic CuCrO_2 . Physical Review B, 2011, 84, .	3.3	50
57	Effect of pressure on the superconducting critical temperature of $\text{La}[\text{O}_{0.89}\text{F}_{0.11}]\text{FeAs}$ and $\text{Ce}[\text{O}_{0.88}\text{F}_{0.12}]\text{FeAs}$. Physica C: Superconductivity and Its Applications, 2008, 468, 2229-2232.	1.2	48
58	Pressure effects on the electron-doped high-Tc superconductor $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$. Journal of Physics Condensed Matter, 2008, 20, 472201.	1.9	48
59	Phase transition and superconductivity of SrFe_2As_2 under high pressure. Journal of Physics Condensed Matter, 2011, 23, 122201.	1.9	45
60	Magnetic phase transitions in NdCoAsO . Physical Review B, 2010, 81, .	3.3	44
61	Gap structure in the electron-doped iron arsenide superconductor $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$: low-temperature specific heat study. New Journal of Physics, 2010, 12, 023006.	2.9	42
62	Electronic Band Structure of BaCo_2As_2 : A Fully Doped Ferropnictide Analog with Reduced Electronic Correlations. Physical Review X, 2013, 3, .	3.3	42
63	Local Inhomogeneity and Filamentary Superconductivity in Pr-Doped CaFe_2As_2 . Physical Review Letters, 2014, 112, 047005.	8.0	41
64	Complex structures of different CaFe_2As_2 samples. Scientific Reports, 2014, 4, 4120. <i>Phonon softening near the structural transition in BaFe_2As_2</i>	3.4	41
65	<i>Phonon softening near the structural transition in BaFe_2As_2 observed by inelastic x-ray scattering.</i> Physical Review B, 2011, 84, .	3.3	40
66	Structure and property correlations in FeS . Physica C: Superconductivity and Its Applications, 2017, 534, 29-36.	1.2	40
67	Interlayer Coherence and Superconducting Condensate in the c-Axis Response of Optimally Doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ High-Tc Superconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	8.0	39
68	Electronic phase diagram of the iron-based high-Tc superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2013, 87, 041101.	3.3	39

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73	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. Scientific Reports, 2015, 5, 13788.	3.4	37
74	^{59}Fe and ^{75}As NMR investigation of lightly doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ($x=0.02, 0.04$). Physical Review B, 2009, 79, .	3.3	36
75	Suppression of spin density wave by isoelectronic substitution in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Journal of Solid State Chemistry, 2009, 182, 2326-2331.	3.0	36
76	$\text{U}^{3+}\text{F}_{12}(\text{H}_2\text{O})_4$, a Noncentrosymmetric Uranium(IV) Fluoride Prepared via a Convenient In Situ Route That Creates U^{4+} under Mild Hydrothermal Conditions. Inorganic Chemistry, 2013, 52, 8303-8305.	4.2	36
77	Chemistry and electronic structure of iron-based superconductors. MRS Bulletin, 2011, 36, 614-619.	4.2	35
78	Decoupled spin dynamics in the rare-earth orthoferrite YbFeO_3 : Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, .	3.3	35
79	High-resolution measurements of the thermal expansion of superconducting Co-doped $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$. Physical Review B, 2009, 79, .	3.3	34
80	Fermi-Surface Reconstruction and Complex Phase Equilibria in CaFe_2As_2 . Physical Review Letters, 2014, 112, 186401.	8.0	33
81	Magnetic structure and spin excitations in BaMn_2As_4 . Physical Review B, 2014, 89, .	4.0	33
82	Precise measurements of radio-frequency magnetic susceptibility in ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2008, 320, 354-363.	2.3	32
83	Crystal Growth, Structural Characterization, and Magnetic Properties of New Uranium(IV) Containing Mixed Metal Oxalates: $\text{Na}_2\text{U}_2\text{M}(\text{C}_2\text{O}_4)_6(\text{H}_2\text{O})_4$ ($\text{M} = \text{Mn}^{2+}$, Fe^{2+} , Co^{2+} , and Zn^{2+}). Inorganic Chemistry, 2013, 52, 2199-2207.	4.2	31
84	Resolving the degradation pathways in high-voltage oxides for high-energy-density lithium-ion batteries; Alternation in chemistry, composition and crystal structures. Nano Energy, 2017, 36, 76-84.	16.5	31
85	Phonon splitting and anomalous enhancement of infrared-active modes in BaFe_2As_4 . Physical Review B, 2011, 84, .	3.3	30
86	A semimetal model of the normal state magnetic susceptibility and transport properties of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physica C: Superconductivity and Its Applications, 2010, 470, 304-308.	1.2	29
87	Formation of collapsed tetragonal phase in EuCo_2As_2 under high pressure. Journal of Physics Condensed Matter, 2010, 22, 425701.	1.9	28
88	Magnetism and Disorder Effects on Muon Spin Rotation Measurements of the Magnetic Penetration Depth in Iron-Arsenic Superconductors. Physical Review Letters, 2011, 106, 127002.	8.0	28
89	Crystal, magnetic and electronic structures and properties of new BaMnPnF ($\text{Pn} = \text{As}, \text{Sb}, \text{Bi}$). Scientific Reports, 2013, 3, 2154.	3.4	28
90	Magnetic ground state of the Ising-like antiferromagnet DyScO_3 . Physical Review B, 2017, 96, .	3.0	28

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109	Metallic properties of Ba ₂ Cu ₃ P ₄ and BaCu ₂ Pn ₂ (Pn=As, Sb). Journal of Solid State Chemistry, 2012, 191, 213-219.	3.0	22
110	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	3.3	22
111	Coupling of structure to magnetic and superconducting orders in quasi-one-dimensional KCr_3O_{10} . Physical Review B, 2017, 96, .	3.3	22
112	Synthesis and anisotropic magnetism in quantum spin liquid candidates $YbSe_2$ ($\chi = K$ and) $Tj ETQq 0,0,0$ rgBT / Overlock 1	4.8	22
113	Unusual phase transitions and magnetoelastic coupling in TlFe _{1.6} Se ₂ single crystals. Physical Review B, 2011, 83, .	3.3	21
114	Deep data mining in a real space: separation of intertwined electronic responses in a lightly doped BaFe ₂ As ₂ . Nanotechnology, 2016, 27, 475706.	2.7	21
115	Magnetization, resistivity and heat capacity of the anisotropic RV ₃ Sb ₃ crystals (R=La, Nd, Sm, Gd, Dy). Journal of Magnetism and Magnetic Materials, 2008, 320, 120-141.	2.3	20
116	Experimental and Computational Investigation of the Polar Ferrimagnet VOSe ₂ O ₅ . Chemistry of Materials, 2010, 22, 5074-5083.	7.1	20
117	Point-contact spectroscopic studies on normal and superconducting AF ₂ As ₂ -type iron pnictide single crystals. Superconductor Science and Technology, 2010, 23, 054009.	3.5	20
118	Cu Substitution Effects on the Local Magnetic Properties of Ba(Fe _{1-x} Cu _x) ₂ As ₂ : A Site-Selective As ⁷⁵ and Cu ⁶³ NMR Study. Physical Review Letters, 2014, 113, 117001.	8.0	20
119	Crystal growth, structures, magnetic and photoluminescent properties of NaLnGeO ₄ (Ln=Sm, Eu, Gd,) $Tj ETQq 1, 0, 0$ rgBT / Overlock 1	3.2	20
120	Variation of physical properties in the nominal Sr ₄ V ₂ O ₆ Fe ₂ As ₂ . Physica C: Superconductivity and Its Applications, 2011, 471, 143-149.	1.2	19
121	Temperature and pressure dependence of the Fe-specific phonon density of states in $BaFe_2As_2$. Physical Review B, 2010, 81, .	3.3	18
122	Critical behavior of the spin density wave transition in underdoped $BaFe_2As_2$		

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127	Unconventional irreversible structural changes in a high-voltage LiMn-rich oxide for lithium-ion battery cathodes. Journal of Power Sources, 2015, 283, 423-428.	8.0	17
128	Angle-resolved photoemission observation of Mn-pnictide hybridization and negligible band structure renormalization in BaMn_2P_2 and BaMn_2As_2 . Physical Review B, 2016, 94, .	3.3	17
129	Temperature-dependent optical spectroscopy studies of $\text{Nd}_{1-x}\text{TiO}_3$. Physical Review B, 2006, 73, .	3.3	16
130	NMR Measurements of Intrinsic Spin Susceptibility in $\text{LaFeAsO}_{0.9}\text{F}_{0.1}$. Journal of the Physical Society of Japan, 2008, 77, 47-53.	1.6	16
131	Structure and magnetic order in the series $\text{BixRE}_{1-x}\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ (RE=La,Nd). Journal of Solid State Chemistry, 2011, 184, 830-842.	3.0	16
132	Specific heat to H^2 and cH^2 evidence for nodes or deep minima in the superconducting gap of underdoped and overdoped		

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145	Anisotropic thermal expansion of FeTe . <i>Physical Review B</i> , 2009, 80, .	3.3	14
146	Electronic, magnetic and optical properties of two Fe-based superconductors and related parent compounds. <i>Superconductor Science and Technology</i> , 2010, 23, 054005.	3.5	14
147	Research Update: Spatially resolved mapping of electronic structure on atomic level by multivariate statistical analysis. <i>APL Materials</i> , 2014, 2, .	4.8	14
148	Orbital Occupancy and Charge Doping in Iron-Based Superconductors. <i>Advanced Materials</i> , 2014, 26, 6193-6198.	24.3	14
149	Local-Ising-type magnetic order and metamagnetism in the rare-earth pyrogermanate Er_2O_7 . <i>Physical Review Materials</i> , 2019, 3, .	2.5	14
150	Spin excitations in BaFe_2As_2 observed by inelastic neutron scattering. <i>Physical Review B</i> , 2009, 80, .	3.3	13
151	Effect of Surface Morphology and Magnetic Impurities on the Electronic Structure in Cobalt-Doped BaFe_2As_2 Superconductors. <i>Nano Letters</i> , 2017, 17, 1642-1647.	9.5	13
152	Is BaCr_2As_2 symmetrical to BaFe_2As_2 . <i>Physical Review B</i> , 2017, 95, 040401.	3.3	13
153	Improving superconductivity in BaFe_2As_2 -based crystals by cobalt clustering and electronic uniformity. <i>Scientific Reports</i> , 2017, 7, 949.	3.4	13
154	High-Voltage Performance of Ni-Rich NCA Cathodes: Linking Operating Voltage with Cathode Degradation. <i>ChemElectroChem</i> , 2019, 6, 5571-5580.	3.5	13
155	Coupled structural and magnetic antiphase domain walls on BaFe_2As_2 . <i>Physical Review B</i> , 2013, 87, .	3.3	12
156	Doping dependence of the spin excitations in the Fe-based superconductors FeTe and FeSe . <i>Physical Review B</i> , 2013, 87, .	3.3	12
157	Annealing effects on the properties of BFe_2As_2 ($B = \text{Ca, Sr, Ba}$) superconducting parents. <i>Dalton Transactions</i> , 2014, 43, 14971-14975.	3.4	12
158	Crystal structures and magnetic properties of CeAu_4Si_2 and CeAu_2Si_2 . <i>Journal of Solid State Chemistry</i> , 2008, 181, 282-293.	3.0	11
159	Spatial inhomogeneity in $\text{RFeAsO}_{1-x}\text{Fx}$ ($R = \text{Pr, Nd}$) determined from rare-earth crystal-field excitations. <i>Physical Review B</i> , 2011, 83, .	3.3	11
160	Evolution of the nuclear and magnetic structures of $\text{TlFe}_{1.6}\text{Se}_2$ with temperature. <i>Physical Review B</i> , 2012, 85, .	3.3	11
161	Angle-resolved photoemission spectroscopy observation of anomalous electronic states in EuFe_2P_2 . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 065702.	1.9	11
162	Role of magnetism in superconductivity of BaF_2e_2 . <i>Physical Review B</i> , 2013, 87, .	3.3	11

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163	Inductivity in semimetallic Bi_3O_2	3.3	11
164	Systematic extraction of crystal electric-field effects and quantum magnetic model parameters in triangular rare-earth magnets. <i>Physical Review Research</i> , 2021, 3, .	3.6	11
165	Low-temperature thermal conductivity of $BaFe_2As_2$: A parent compound of iron arsenide superconductors. <i>Physical Review B</i> , 2009, 79, .	3.3	10
166	Effect of annealing on the specific heat of optimally doped $Ba(Fe_{0.92}Co_{0.08})_2As_2$. <i>Journal of Physics: Conference Series</i> , 2011, 273, 012094.	0.4	10
167	Influence of spin fluctuations on the thermal conductivity in superconducting $Ba(Fe_{1-x}Co_x)_2As_2$	3.3	10
168	Effect of pressure, temperature, fluorine doping, and rare earth elements on the phonon density of states of $LiFeAsO$ studied by nuclear inelastic scattering. <i>Physical Review B</i> , 2013, 87, .	3.3	10
169	Room temperature $Ba(Fe_{1-x}Co_x)_2As_2$ in oxygen-deficient MoO_2	3.3	10
170	Room temperature $Ba(Fe_{1-x}Co_x)_2As_2$ is not Tetragonal: Direct Observation of Magnetoelastic Interactions in Pnictide Superconductors. <i>Advanced Materials</i> , 2015, 27, 2715-2721.	24.3	10
171	Induced anisotropic electronic properties in FeA_2		

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181	Structure-composition phase diagrams for $Ba_{1-x}Sr_xFe_2As_2$. <i>Physical Review B</i> , 2017, 95, 020407.	3.3	8
182	Lattice parameters guide superconductivity in iron-arsenides. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 083001.	1.9	8
183	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $SrCo_4(OH)$: A Structure with a Quasi One-Dimensional Magnetic Chain. <i>Inorganic Chemistry</i> , 2020, 59, 1029-1037.	4.2	8
184	Magnetic behavior of $RMn_2Al_{10}x$ ($R=La, Gd$) crystals. <i>Physical Review B</i> , 2007, 76, .	3.3	7
185	High-resolution x-ray scattering studies of structural phase transitions in $Ba(Fe_{1-x}Tl_x)_{2-x}As_2$. <i>Physical Review B</i> , 2015, 91, .	3.3	7
186	Magnetotransport of proton-irradiated $BaFe_{1-x}Tl_xAs_2$. <i>Physical Review B</i> , 2015, 91, .	3.3	7
187	Magnetoelastic coupling, negative thermal expansion, and two-dimensional magnetic excitations in $FeAs$. <i>Physical Review B</i> , 2021, 103, .	3.3	7
188	Structural and magnetic phase transitions in $NdCoAsO$ under high pressures. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 185702.	1.9	6
189	Absence of structural transition in $Ba_{1-x}Tl_xFe_2As_2$. <i>Physical Review B</i> , 2014, 89, .	3.3	6
190	Modeling and characterization of the magnetocaloric effect in Ni_2MnGa materials. <i>International Journal of Refrigeration</i> , 2014, 37, 289-296.	3.6	6
191	Modified magnetism within the coherence volume of superconducting $BaFe_{1-x}Tl_xAs_2$. <i>Physical Review B</i> , 2014, 89, .	3.3	6
192	Transport Thermal Properties of $LiTaO_3$ Pyroelectric Sensor from 15 K to 400 K and Its Application to the Study of Critical Behavior in $EuCo_2As_2$. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	2.1	6
193	Pseudospin versus magnetic dipole moment ordering in the isosceles triangular lattice material K_3ErCo_3 . <i>Physical Review B</i> , 2020, 102, .	3.3	6
194	Complex magnetic order in the decorated spin-chain system $Rb_2Co_2O_7$. <i>Physical Review B</i> , 2020, 101, .	3.3	6
195	Stacking Faults and Short-Range Magnetic Correlations in Single Crystal $Y_{5-x}Ru_{2-x}O_{12}$: A Structure with $Ru^{4.5}$ One-Dimensional Chains. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000197.	1.6	6
196	Competitive and cooperative electronic states in $Ba(Fe_{1-x}Tl_x)_2As_2$ with $T_c = Co, Ni, Cr$. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	6
197	Mesoscale interplay between phonons and crystal electric field excitations in quantum spin liquid candidate $CsYbSe_2$. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4148-4156.	5.6	6
198	Probing microscopic variations of superconductivity on the surface of $BaFe_2As_2$. <i>Physical Review B</i> , 2009, 80, .	3.3	5

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199	Properties of $R\text{Re}_2\text{Al}_{10}$ ($R=\text{Y}, \text{Gd} \leftarrow \text{Lu}$) crystals. <i>Physical Review B</i> , 2009, 79, .	3.3	5
200	Iron substitution in NdCoAsO : Crystal structure and magnetic phase diagram. <i>Physical Review B</i> , 2010, 82, .	3.3	5
201	Direct probe of the variability of Coulomb correlation in iron pnictide superconductors. <i>Physical Review B</i> , 2012, 85, .	3.3	5
202	High-pressure structural phase transitions in chromium-doped BaFe_2As_2 . <i>Journal of Physics: Conference Series</i> , 2012, 377, 012016.	0.4	5
203	Synthesis, Crystal Structure, and Electronic Properties of the $\text{CaRE}_3\text{SbO}_4$ and $\text{Ca}_2\text{RE}_8\text{Sb}_3\text{O}_{10}$ phases (RE) $T_{\text{c}} = 1.1$ K, $T_{\text{N}} = 0.78$ K, $\rho_{\text{300K}} = 14$ $\mu\Omega\text{cm}$, $\rho_{\text{4K}} = 0.1$ $\mu\Omega\text{cm}$.	7.1	14
204	Robust antiferromagnetism preventing superconductivity in pressurized $(\text{Ba}_{0.61}\text{K}_{0.39})\text{Mn}_2\text{Bi}_2$. <i>Scientific Reports</i> , 2015, 4, 7342.	3.4	5
205	Local superconductivity in vanadium iron arsenide. <i>Physical Review B</i> , 2019, 100, .	3.3	5
206	Relationship between A-site cation and magnetic structure in $3d^5 5d^4 f$ double perovskite iridates $\text{Ln}_2\text{NiIrO}_6$ ($\text{Ln}=\text{La}, \text{Pr}, \text{Nd}$). <i>Physical Review Materials</i> , 2021, 5, .	2.5	5
207	Coupling of fully symmetric As phonon to magnetism in $\text{Ba}_{1-x}\text{Bi}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2020, 102, .	3.3	5
208	In-plane electronic anisotropy resulted from ordered magnetic moment in iron-based superconductors. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
209	$\text{NaCo}_2(\text{SeO}_3)_2(\text{OH})$: competing magnetic ground states of a new sawtooth structure with $3d^7$ Co^{2+} ions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4329-4340.	6.0	5
210	Aligned crystallite powder of $\text{NdFeAsO}_{0.86}\text{F}_{0.14}$: Magnetic hysteresis and penetration depth. <i>Physical Review B</i> , 2009, 79, .	3.3	4
211	High pressure effects on the superconductivity in rare-earth-doped CaFe_2As_2 . <i>High Pressure Research</i> , 2014, 34, 49-58.	1.2	4
212	Effect of Li_2O on the microstructure, magnetic and transport properties of Tl-2223 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2015, 519, 108-111.	1.2	4
213	Importance of doping and frustration in itinerant Fe-doped Cr_2Al . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 392, 68-73.	2.3	4
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