

# A S Sefat

## List of Publications by Year in descending order

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242  
papers

11,066  
citations

33972

52  
h-index

36816

97  
g-index

259  
all docs

259  
docs citations

259  
times ranked

8300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, crystal structure and magnetic properties of $\text{KLnSe}_2$ ( $\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{Nd}$ ) structures: A family of 2D triangular lattice frustrated magnets. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122917.	3.0	10
2	Mesoscale interplay between phonons and crystal electric field excitations in quantum spin liquid candidate $\text{CsYbSe}_2$ . <i>Journal of Materials Chemistry C</i> , 2022, 10, 4148-4156.	5.6	6
3	Single pair of Weyl nodes in the spin-canted structure of $\text{EuCd}_2\text{Mn}_2$ . <i>Physical Review B</i> , 2022, 105, .	3.3	2
4	Insulating antiferromagnetism in VTe. <i>Physical Review B</i> , 2022, 105, .	3.3	2
5	$\text{NaCo}_2(\text{SeO}_3)_2(\text{OH})$ : competing magnetic ground states of a new sawtooth structure with $3d^{7+}$ $\text{Co}^{2+}$ ions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4329-4340.	6.0	5
6	Stacking Faults and Short-Range Magnetic Correlations in Single Crystal $\text{Y}_5\text{Ru}_2\text{O}_{12}$ : A Structure with $\text{Ru}^{4.5+}$ One-Dimensional Chains. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000197.	1.6	6
7	Magnetoelastic coupling, negative thermal expansion, and two-dimensional magnetic excitations in FeAs. <i>Physical Review B</i> , 2021, 103, .	3.3	7
8	Stripe antiferromagnetic ground state of the ideal triangular lattice compound $\text{KErSe}_2$ . <i>Physical Review B</i> , 2021, 103, .	3.3	10
9	Nanoscale Superconducting States in the Fe-Based Filamentary Superconductor of Pr-Doped $\text{CaFe}_2\text{As}_2$ . <i>Nanomaterials</i> , 2021, 11, 1019.	4.2	3
10	Multiband effects on the upper critical field angular dependence of 122-family iron pnictide superconductors. <i>Scientific Reports</i> , 2021, 11, 11526.	3.4	4
11	Relationship between A-site cation and magnetic structure in $3d^5 4f$ double perovskite iridates $\text{Ln}_2\text{Ni}_2\text{O}_6$ ( $\text{Ln} = \text{La}, \text{Pr}, \text{Nd}$ ). <i>Physical Review Materials</i> , 2021, 5, .	2.5	5
12	Competitive and cooperative electronic states in $\text{Ba}(\text{Fe}_{1-x}\text{Tx})_2\text{As}_2$ with $\text{T} = \text{Co}, \text{Ni}, \text{Cr}$ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	6
13	Synthesis and anisotropic magnetism in quantum spin liquid candidates $\text{YbSe}_2$ ( $\text{A} = \text{K}$ and $\text{Tj}$ ). <i>ETQq</i> 1, 0.784314 rgBT 4.8 22	1.1	22
14	Unintended consequence of topochemical reduction of $\text{SrFe}_3\text{O}_{10}$ to $\text{SrFe}_2\text{O}_7$ . <i>Physical Review B</i> , 2021, 103, .	2.5	2
15	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
16	Metabolomic profiles associated with all-cause mortality in the Women's Health Initiative. <i>International Journal of Epidemiology</i> , 2020, 49, 289-300.	2.0	24
17	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)_2(\text{OH})$ : A Structure with a Quasi One-Dimensional Magnetic Chain. <i>Inorganic Chemistry</i> , 2020, 59, 1029-1037.	4.2	8
18	Crystal Synthesis and Frustrated Magnetism in Triangular Lattice $\text{CsRE}_2\text{Se}_2$ ( $\text{RE} = \text{La}, \text{Lu}$ ): Quantum Spin Liquid Candidates $\text{CsCeSe}_2$ and $\text{CsYbSe}_2$ . <i>Physical Review B</i> , 2020, 2, 71-75.		57

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19	Evidence of Ba-substitution induced spin-canting in the magnetic Weyl semimetal $\text{Cd}_3\text{As}_2$ . Physical Review B, 2020, 102, .	3.2	16
20	Pseudospin versus magnetic dipole moment ordering in the isosceles triangular lattice material $\text{K}_3\text{Er}_2\text{Mo}_2\text{O}_{10}$ . Physical Review B, 2020, 102, .	3.3	6
21	Superconductivity with $T_c > 7$ K under pressure for Cu- and Au-doped $\text{BaFe}_2\text{As}_2$ . Journal of Physics Condensed Matter, 2020, 32, 295602.	1.9	3
22	Complex magnetic order in the decorated spin-chain system $\text{Rb}_2\text{Mn}_2\text{O}_7$ . Physical Review B, 2020, 101, .	3.2	16
23	Single crystal neutron and magnetic measurements of $\text{Rb}_2\text{Mn}_3(\text{VO})_4\text{CO}_3$ and $\text{K}_2\text{Co}_3(\text{VO})_4\text{CO}_3$ with mixed honeycomb and triangular magnetic lattices. Dalton Transactions, 2020, 49, 4323-4335.	3.4	10
24	Frustrated Magnetism in Triangular Lattice $\text{TlYbS}_2$ Crystals Grown via Molten Flux. Frontiers in Chemistry, 2020, 8, 127.	3.7	10
25	Crystal-field Hamiltonian and anisotropy in $\text{K}_2\text{ErSe}_2$ and $\text{CsErSe}_2$ . Physical Review B, 2020, 101, .	3.3	23
26	Tunable magnetic order in low-symmetry $\text{SeO}_3$ ligand linked $\text{TM}_3(\text{SeO}_3)_3\text{H}_2\text{O}$ (TM=Mn, Co, and Ni) compounds. Physical Review Materials, 2020, 4, .	2.5	4
27	Coupling of fully symmetric As phonon to magnetism in $\text{Ba}_3\text{Bi}_2\text{O}_{10}$ . Physical Review B, 2020, 102, .	3.0	1
28	In-plane electronic anisotropy resulted from ordered magnetic moment in iron-based superconductors. Physical Review Research, 2020, 2, .	3.6	5
29	High Voltage Performance of Ni Rich NCA Cathodes: Linking Operating Voltage with Cathode Degradation. ChemElectroChem, 2019, 6, 5571-5580.	3.5	13
30	Nanoscale interlayer defects in iron arsenides. Journal of Solid State Chemistry, 2019, 277, 422-426.	3.0	1
31	Local superconductivity in vanadium iron arsenide. Physical Review B, 2019, 100, .	3.3	5
32	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. Physical Review B, 2019, 99, .	3.3	18
33	Effect of Pressure on the Superconducting Properties of $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{9-f}$ . Crystals, 2019, 9, 4.	2.3	1
34	Lattice disorder effect on magnetic ordering of iron arsenides. Scientific Reports, 2019, 9, 20147.	3.4	0
35	Field-induced magnetic transition and spin fluctuations in the quantum spin-liquid candidate $\text{CsYbSe}_2$ . Physical Review B, 2019, 100, .	3.3	65
36	Tuning from frustrated magnetism to superconductivity in quasi-one-dimensional $\text{KC}_8\text{C}_{60}$ through hydrogen doping. Physical Review B, 2019, 100, .	3.3	16

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37	Dynamic magnetic response across the pressure-induced structural phase transition in CeNi. Physical Review B, 2019, 99, .	3.3	1
38	Local-Ising-type magnetic order and metamagnetism in the rare-earth pyrogermanate $\text{Er}_2\text{O}_7$ . Physical Review Materials, 2019, 3, .	2.5	14
39	Synthesis, magnetization, and heat capacity of triangular lattice materials $\text{NaErSe}_2$ and $\text{KErSe}_2$ . Physical Review Letters, 2018, 121, 187002.	2.5	27
40	Superconductivity, pairing symmetry, and disorder in the doped topological insulator $\text{Sn}_x\text{Mn}_{1-x}$ for $x < 0.10$ . Physical Review B, 2018, 97, .	3.3	15
41	Unusual effects of Be doping in the iron-based superconductor FeSe. Journal of Physics Condensed Matter, 2018, 30, 445701.	1.9	3
42	Frustrated Structural Instability in Superconducting Quasi-One-Dimensional $\text{K}_2\text{CuO}_2$ . Physical Review Letters, 2018, 121, 187002.	8.0	16
43	Decoupled spin dynamics in the rare-earth orthoferrite $\text{YbFeO}_3$ : Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, .	3.3	35
44	Effects of proton irradiation on flux-pinning properties of underdoped $\text{Ba}(\text{Fe}_{0.96}\text{Co}_{0.04})_2\text{As}_2$ pnictide superconductor. Journal of Alloys and Compounds, 2017, 694, 1371-1375.	5.7	3
45	Effect of Surface Morphology and Magnetic Impurities on the Electronic Structure in Cobalt-Doped $\text{BaFe}_2\text{As}_2$ Superconductors. Nano Letters, 2017, 17, 1642-1647.	9.5	13
46	Lattice parameters guide superconductivity in iron-arsenides. Journal of Physics Condensed Matter, 2017, 29, 083001.	1.9	8
47	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
48	Structure and property correlations in FeS. Physica C: Superconductivity and Its Applications, 2017, 534, 29-36.	1.2	40
49	Study of the second magnetization peak and the pinning behaviour in $\text{Ba}(\text{Fe}_{0.935}\text{Co}_{0.065})_2\text{As}_2$ pnictide superconductor. Superconductor Science and Technology, 2017, 30, 125007.	3.5	15
50	Magnetic ground state of the Ising-like antiferromagnet $\text{DyScO}_3$ . Physical Review B, 2017, 96, .	3.3	18
51	$\text{BaCr}_2\text{As}_2$ is not a spin-singlet superconductor: $\text{BaCr}_2\text{As}_2$ is not a spin-singlet superconductor. Physical Review B, 2017, 96, .	3.3	13
52	Improving superconductivity in $\text{BaFe}_2\text{As}_2$ -based crystals by cobalt clustering and electronic uniformity. Scientific Reports, 2017, 7, 949.	3.4	13
53	Evidence of Mott physics in iron pnictides from x-ray spectroscopy. Physical Review B, 2017, 96, .	3.3	25
54	Coupling of structure to magnetic and superconducting orders in quasi-one-dimensional $\text{K}_2\text{Cr}_3\text{O}_7$ . Physical Review B, 2017, 96, .	3.3	22



#	ARTICLE	IF	CITATIONS
73	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. Scientific Reports, 2015, 5, 13788.	3.4	37
74	Effect of Li <sub>2</sub> O on the microstructure, magnetic and transport properties of Tl-2223 superconductor. Physica C: Superconductivity and Its Applications, 2015, 519, 108-111.	1.2	4
75	On the nature of filamentary superconductivity in metal-doped hydrocarbon organic materials. Novel Superconducting Materials, 2015, 1.	0.8	2
76	Superconductivity in semimetallic $Bi_3O_3S_3$ . Scientific Reports, 2015, 5, 13788.	3.3	11
77	Optimization of a non-arsenic iron-based superconductor for wire fabrication. Superconductor Science and Technology, 2015, 28, 045018.	3.5	3
78	Structural and superconducting features of Tl-1223 prepared at ambient pressure. Superconductor Science and Technology, 2015, 28, 115006.	3.5	3
79	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
80	Importance of doping and frustration in itinerant Fe-doped Cr <sub>2</sub> Al. Journal of Magnetism and Magnetic Materials, 2015, 392, 68-73.	2.3	4
81	Room-temperature Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> is not Tetragonal: Direct Observation of Magnetoelastic Interactions in Pnictide Superconductors. Advanced Materials, 2015, 27, 2715-2721.	24.3	10
82	Enhancement of the critical current density by increasing the collective pinning energy in heavy ion irradiated Co-doped BaFe <sub>2</sub> As <sub>2</sub> single crystals. Superconductor Science and Technology, 2015, 28, 055011.	3.5	24
83	Signatures of filamentary superconductivity in antiferromagnetic BaFe <sub>2</sub> As <sub>2</sub> single crystals. Europhysics Letters, 2015, 111, 37005.	2.0	2
84	Magnetotransport of proton-irradiated BaFe <sub>2</sub> As <sub>2</sub> single crystals. Physical Review B, 2015, 91, .	3.3	3
85	Robust antiferromagnetism preventing superconductivity in pressurized (Ba <sub>0.61</sub> K <sub>0.39</sub> )Mn <sub>2</sub> Bi <sub>2</sub> . Scientific Reports, 2015, 4, 7342.	3.4	5
86	Superconducting properties in heavily overdoped Ba(Fe <sub>0.86</sub> Co <sub>0.14</sub> ) <sub>2</sub> As <sub>2</sub> single crystals. Solid State Communications, 2015, 201, 20-24.	1.9	1
87	Research Update: Spatially resolved mapping of electronic structure on atomic level by multivariate statistical analysis. APL Materials, 2014, 2, .	4.8	14
88	Neutron Scattering of CeNi at the SNS-ORNL: A Preliminary Report. Materials Research Society Symposia Proceedings, 2014, 1683, 26.	0.1	0
89	NMR investigation of spin correlations in BaCo <sub>1-x</sub> Fe <sub>x</sub> As <sub>2</sub> . Physical Review B, 2014, 90, .	3.3	9
90	NMR investigation of spin correlations in BaCo <sub>1-x</sub> Fe <sub>x</sub> As <sub>2</sub> . Physical Review B, 2014, 90, .	3.3	9

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91	Crossover from spin waves to diffusive spin excitations in underdoped $\text{Ba}_{1-x}\text{Cu}_x\text{Fe}_2\text{As}_2$ . Physical Review B, 2014, 89, .	3.3	18
92	High pressure effects on the superconductivity in rare-earth-doped $\text{CaFe}_2\text{As}_2$ . High Pressure Research, 2014, 34, 49-58.	1.2	4
93	Cu Substitution Effects on the Local Magnetic Properties of $\text{Ba}(\text{Fe}_{1-x}\text{Cu}_x)_2\text{As}_2$ : A Site-Selective $^{75}\text{As}$ and $^{63}\text{Cu}$ NMR Study. Physical Review Letters, 2014, 113, 117001 Evolution of antiferromagnetic susceptibility under uniaxial pressure in $\text{Ba}(\text{Fe}_{1-x}\text{Cu}_x)_2\text{As}_2$ . Physical Review Letters, 2014, 113, 117001	8.0	20
94	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	3.3	23
95	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	3.3	22
96	Modeling and characterization of the magnetocaloric effect in $\text{Ni}_2\text{MnGa}$ materials. International Journal of Refrigeration, 2014, 37, 289-296.	3.6	6
97	Fermi-Surface Reconstruction and Complex Phase Equilibria in $\text{CaFe}_2\text{As}_2$ . Physical Review Letters, 2014, 112, 186401.	8.0	33
98	Angle-resolved photoemission spectroscopy observation of anomalous electronic states in $\text{EuFe}_2\text{As}_2$ . Journal of Physics Condensed Matter, 2014, 26, 035702.	1.9	11
99	Local Inhomogeneity and Filamentary Superconductivity in Pr-Doped $\text{CaFe}_2\text{As}_2$ . Physical Review Letters, 2014, 112, 186401 Modified magnetism within the coherence volume of superconducting $\text{CaFe}_2\text{As}_2$ . Physical Review Letters, 2014, 112, 186401	8.0	41
100	Orbital Occupancy and Charge Doping in Iron-Based Superconductors. Advanced Materials, 2014, 26, 6193-6198.	3.3	6
101	Orbital Occupancy and Charge Doping in Iron-Based Superconductors. Advanced Materials, 2014, 26, 6193-6198.	24.3	14
102	Annealing effects on the properties of $\text{BFe}_2\text{As}_2$ (B = Ca, Sr, Ba) superconducting parents. Dalton Transactions, 2014, 43, 14971-14975.	3.4	12
103	Synthesis, Crystal Structure, and Electronic Properties of the $\text{CaRE}_3\text{Sb}_4\text{O}_{10}$ and $\text{Ca}_2\text{RE}_8\text{Sb}_3\text{O}_{10}$ phases (RE = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). Physical Review B, 2014, 90, .	7.1	14
104	Critical behavior of the spin density wave transition in underdoped $\text{Ba}(\text{Fe}_{1-x}\text{Cu}_x)_2\text{As}_2$ . Physical Review B, 2014, 90, .		







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127	Electronic Signature of Magnetic Moment and Fe-Vacancy Order in Fe-Based TlFe <sub>1.6</sub> Se <sub>2</sub> Investigated by STEM/EELS. Microscopy and Microanalysis, 2013, 19, 340-341.	0.4	1
128	Direct measurement of the magnetic penetration depth by magnetic force microscopy. Superconductor Science and Technology, 2012, 25, 112001.	3.5	22
129	Magnetic properties of single crystal EuCo <sub>2</sub> As <sub>2</sub> . Journal of Applied Physics, 2012, 111, .	2.3	25
130	Effect of molybdenum substitution in BaFe <sub>2</sub> As <sub>2</sub> . Physical Review Letters, 2012, 108, 147002.	3.3	27
131	Electronic Correlations and Unconventional Spectral Weight Transfer in the High-Temperature Pnictide BaFe <sub>2</sub> As <sub>2</sub> . Physical Review Letters, 2012, 108, 147002.	8.0	69
132	Using Infrared Spectroscopy. Physical Review Letters, 2012, 108, 147002.	3.3	12
133	Coupled structural and magnetic antiphase domain walls on BaFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2012, 86, .	3.3	7
134	NMR Search for the Spin Nematic State in a LaFeAsO Single Crystal. Physical Review Letters, 2012, 109, 247001.	8.0	73
135	Evidence for nodes or deep minima in the superconducting gap of underdoped and overdoped		

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145	High-pressure structural phase transitions in chromium-doped $\text{BaFe}_2\text{As}_2$ . Journal of Physics: Conference Series, 2012, 377, 012016.	0.4	5
146	Phase transition and superconductivity of $\text{SrFe}_2\text{As}_2$ under high pressure. Journal of Physics Condensed Matter, 2011, 23, 122201.	1.9	45
147	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
148	Effect of carrier doping on the formation and collapse of magnetic polarons in lightly hole-doped $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ . Physical Review B, 2011, 83, .	3.3	25
149	Pressure effects on the transport coefficients of $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2011, 84, .	3.3	66
150	Effect of annealing on the specific heat of optimally doped $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$ . Journal of Physics: Conference Series, 2011, 273, 012094.	3.3	22
151	Search for pressure-induced superconductivity in $\text{CeFeAsO}$ and $\text{CeFePO}$ iron pnictides. Physical Review B, 2011, 83, .	0.4	10
152	Pressure effects on two superconducting iron-based families. Reports on Progress in Physics, 2011, 74, 124502.	3.3	26
153	Variation of physical properties in the nominal $\text{Sr}_4\text{V}_2\text{O}_6\text{Fe}_2\text{As}_2$ . Physica C: Superconductivity and Its Applications, 2011, 471, 143-149.	20.3	99
154	Structure and magnetic order in the series $\text{Bi}_x\text{RE}_{1-x}\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ (RE=La,Nd). Journal of Solid State Chemistry, 2011, 184, 830-842.	1.2	19
155	Magnetic excitations in the geometric frustrated multiferroic $\text{CuCrO}_2$ . Physical Review B, 2011, 84, .	3.0	16
156	Phonon splitting and anomalous enhancement of infrared-active modes in $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2011, 84, .	3.3	50
157	Spin glass and semiconducting behavior in one-dimensional $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2011, 84, .	3.3	30
158	Pressure effects on the transport coefficients of $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2011, 84, .		

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163	Physical properties of GdFe $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle$		

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181	Doping-dependent specific heat study of the superconducting gap in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$ : low-temperature specific heat study. <i>Physical Review B</i> , 2010, 81, .	3.3	59
182	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. <i>New Journal of Physics</i> , 2010, 12, 023006.	2.9	42
183	Temperature and pressure dependence of the Fe-specific phonon density of states in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$ . <i>Physical Review B</i> , 2010, 81, .	3.3	18
184	Materials Chemistry of $\text{BaFe}_2\text{As}_2$ : A Model Platform for Unconventional Superconductivity. <i>Chemistry of Materials</i> , 2010, 22, 715-723.	7.1	72
185	Iron substitution in $\text{NdCoAsO}$ : Crystal structure and magnetic phase diagram. <i>Physical Review B</i> , 2010, 82, .	3.3	5
186	Collapsed tetragonal phase and superconductivity of $\text{BaFe}_2\text{As}_2$ at high pressure. <i>Physical Review B</i> , 2010, 82, .	3.3	68
187	Unusual Relationship between Magnetism and Superconductivity in $\text{FeTe}_{0.5}\text{Se}_{0.5}$ . <i>Physical Review Letters</i> , 2010, 104, 187002.	8.0	63
188	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. <i>Physical Review Letters</i> , 2010, 105, 157003.	8.0	323
189	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
190	Phonons in doped and undoped $\text{BaFe}_2\text{As}_2$ by inelastic x-ray scattering. <i>Physical Review B</i> , 2009, 80, .	3.3	157
191	Spin excitations in $\text{BaFe}_2\text{As}_2$ observed by inelastic neutron scattering. <i>Physical Review B</i> , 2009, 80, .	3.3	184
192	Low-temperature thermal conductivity of $\text{BaFe}_2\text{As}_2$ : A parent compound of iron arsenide superconductors. <i>Physical Review B</i> , 2009, 79, .	3.3	10
193	$^{59}\text{Fe}$ and $^{75}\text{As}$ NMR investigation of lightly doped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ( $x=0.02, 0.04$ ). <i>Physical Review B</i> , 2009, 79, .	3.3	36
194	Two-dimensional resonant magnetic excitation in $\text{BaFe}_{1.84}\text{Co}_{0.16}\text{As}_2$ . <i>Physical Review Letters</i> , 2009, 102, 107005.	8.0	238
195	Surface Geometric and Electronic Structures of $\text{BaFe}_2\text{As}_2$ . <i>Physical Review B</i> , 2009, 79, .	3.3	10
196	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
197	Electronic structure and magnetism in $\text{BaMn}_2\text{As}_2$ . <i>Physical Review B</i> , 2009, 79, .	3.3	113
198	Probing microscopic variations of superconductivity on the surface of $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$ . <i>Physical Review B</i> , 2009, 80, .	3.3	5

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199	Structure and anisotropic properties of< mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		
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217	Crystal structures and magnetic properties of CeAu <sub>4</sub> Si <sub>2</sub> and CeAu <sub>2</sub> Si <sub>2</sub> . Journal of Solid State Chemistry, 2008, 181, 282-293.	3.0	11
218	Effect of pressure on the superconducting critical temperature of La[O <sub>0.89</sub> F <sub>0.11</sub> ]FeAs and Ce[O <sub>0.88</sub> F <sub>0.12</sub> ]FeAs. Physica C: Superconductivity and Its Applications, 2008, 468, 2229-2232.	1.2	48
219	Magnetization, resistivity and heat capacity of the anisotropic RVsb <sub>3</sub> crystals (R=La, Nd, Sm, Gd, Dy). Journal of Magnetism and Magnetic Materials, 2008, 320, 120-141.	2.3	20
220	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
221	Magnetic properties of off-stoichiometric R <sub>2</sub> Co <sub>3</sub> Zn <sub>14</sub> (R=Y, Gd) single crystals. Journal of Magnetism and Magnetic Materials, 2008, 320, 1035-1042.	2.3	0
222	Two-band superconductivity in LaFeAsO <sub>0.89</sub> F <sub>0.11</sub> at very high magnetic fields. Nature, 2008, 453, 903-905.	36.2	497
223	Electronic correlations in the superconductor $LaFeAsO_{0.89}F_{0.11}$	3.3	214
224	A New Magnetically Ordered Polymorph of CuMoO <sub>4</sub> : Synthesis and Characterization of $\mu$ -CuMoO <sub>4</sub> . Chemistry of Materials, 2008, 20, 3785-3787.	7.1	17
225	Superconductivity at 22 K in Co-Doped $BaFe_2As_2$	8.0	66
226	Phonon Density of States of $LaFeAsO_{1-x}F_x$	8.0	66
227	Pressure effects on the electron-doped high T <sub>c</sub> superconductor BaFe <sub>2</sub> As <sub>2-x</sub> Cox. Journal of Physics Condensed Matter, 2008, 20, 472201.	1.9	48
228	Phase transitions in LaFeAsO: Structural, magnetic, elastic, and transport properties, heat capacity and Mössbauer spectra. Physical Review B, 2008, 78, .	3.3	288
229	Comparative high-field magnetotransport of the oxyphchide superconductors		



#	ARTICLE	IF	CITATIONS
235	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
236	Magnetic behavior of $\text{RMn}_{2+x}\text{Al}_{10}\text{O}_{40}$ (R=La,Gd) crystals. Physical Review B, 2007, 76, .	3.3	7
237	Spin-Gap Formation and Thermal Structural Studies in Reduced Hybrid Layered Vanadates. Inorganic Chemistry, 2006, 45, 5109-5118.	4.2	26
238	Temperature-dependent optical spectroscopy studies of $\text{Nd}_{1-x}\text{TiO}_3$ . Physical Review B, 2006, 73, .	3.3	16
239	Effect of hole doping on the magnetic properties of the Mott-Hubbard antiferromagnetic insulator $\text{Nd}_{1-x}\text{TiO}_3$ . Physical Review B, 2006, 74, .	3.3	9
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241	High-resolution EELS study of the vacancy-doped metal/insulator system, $\text{Nd}_{1-x}\text{TiO}_3$ , to 0.33.. Journal of Solid State Chemistry, 2005, 178, 1008-1016.	3.0	90
242	A Reinterpretation of the Magnetic Properties of the Mixed-Valence (NbV/NbIV) Zintl Phase, $\text{Cs}_9\text{Nb}_2\text{As}_6$ . Inorganic Chemistry, 2004, 43, 142-143.	4.2	8