

Brian C Sales

List of Publications by Year in descending order

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250
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12303

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all docs

253
docs citations

253
times ranked

14249
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of photo-induced plasmon-phonon coupling in PbTe via ultrafast x-ray scattering. Structural Dynamics, 2022, 9, 024301.	0.9	3
2	Damped Dirac magnon in the metallic kagome antiferromagnet FeSn. Physical Review B, 2022, 105, .	1.1	15
3	Critical-Element-Free Permanent-Magnet Materials Based on Ce_2FeB . Physical Review Applied, 2022, 17, .	1.1	15
4	Twisting the thermoelectric potential. Nature Materials, 2021, 20, 451-452.	13.3	3
5	A Catastrophic Charge Density Wave in BaFe_2Al_9 . Chemistry of Materials, 2021, 33, 2855-2863.	3.2	9
6	Tuning the flat bands of the kagome metal CoSn with Fe, In, or Ni doping. Physical Review Materials, 2021, 5, .	0.9	17
7	Direct visualization of anionic electrons in an electricle reveals inhomogeneities. Science Advances, 2021, 7, .	4.7	24
8	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	2.8	50
9	Lorentz Transmission Electron Microscopy Imaging of Magnetic Textures in MnBi. Microscopy and Microanalysis, 2021, 27, 2178-2179.	0.2	0
10	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	11.7	21
11	Compression molding of anisotropic NdFeB bonded magnets in a polycarbonate matrix. Materialia, 2021, 19, 101167.	1.3	8
12	3D printing of anisotropic SmFeN nylon bonded permanent magnets. Engineering Reports, 2021, 3, e12478.	0.9	6
13	Flat bands in the CoSn-type compounds. Physical Review B, 2020, 102, . Magnetic anisotropy in single-crystal high-entropy perovskite oxide	1.1	52
14			

#	ARTICLE	IF	CITATIONS
19	Optical conductivity of metal alloys with residual resistivities near or above the Mott-Ioffe-Regel limit. Physical Review B, 2019, 100, .	1.1	5
20	Effects of 3d electron configurations on helium bubble formation and void swelling in concentrated solid-solution alloys. Acta Materialia, 2019, 181, 519-529.	3.8	40
21	Evolution of structural, magnetic, and transport properties in $\text{MnBi}_{1-x}\text{Co}_x$. Physical Review B, 2019, 100, .	1.1	0
22	Surface terminations and layer-resolved tunneling spectroscopy of the 122 iron pnictide superconductors. Physical Review B, 2019, 99, .	1.1	16
23	First principle study of magnetism and vacancy energetics in a near equimolar NiFeMnCr high entropy alloy. Journal of Applied Physics, 2019, 125, .	1.1	40
24	Doping dependence of the magnitude of fluctuating spin moments in the normal state of the pnictide superconductor $\text{Sr}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ inferred from photoemission spectroscopy. Physical Review B, 2019, 99, .	1.1	0
25	Reorientation of antiferromagnetism in cobalt doped FeSn. Physical Review B, 2019, 100, .	1.1	14
26	Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite. Physical Review Letters, 2019, 123, 247601.	2.9	13
27	Crystal growth and magnetic structure of $\text{MnBi}_{1-x}\text{Co}_x$. Physical Review Materials, 2019, 3, .	0.9	2
28	Electronic, magnetic, and thermodynamic properties of the kagome layer compound FeSn. Physical Review Materials, 2019, 3, .	0.9	49
29	High-pressure phase of CrS_2 : A new quasi-one-dimensional itinerant magnet with competing interactions. Physical Review Materials, 2019, 3, .	0.9	2
30	Fabrication of highly dense isotropic Nd-Fe-B nylon bonded magnets via extrusion-based additive manufacturing. Additive Manufacturing, 2018, 21, 495-500.	1.7	48
31	Magnetic order of Nd_5Pb_3 single crystals. Journal of Physics Condensed Matter, 2018, 30, 135801.	0.7	4
32	Real-Space Study of Charge and Orbital Ordering in $\text{La}_{0.6}\text{Sr}_{2.4}\text{Mn}_2\text{O}_7$ Manganite Single Crystal. Microscopy and Microanalysis, 2018, 24, 106-107.	0.2	0
33	Temperature dependent electronic transport in concentrated solid solutions of the d-transition metals Ni, Fe, Co and Cr from first principles. Physical Review B, 2018, 98, .	1.1	0
34	Mn-induced Ferromagnetic Semiconducting Behavior with Linear Negative Magnetoresistance in $\text{Sr}_4(\text{Ru}_{1-x}\text{Mn}_x)_3\text{O}_{10}$ Single Crystals. Scientific Reports, 2018, 8, 13330.	1.6	3
35	Real Space Visualization of Competing Phases in $\text{La}_{0.6}\text{Sr}_{2.4}\text{Mn}_2\text{O}_7$ Single Crystals. Chemistry of Materials, 2018, 30, 7962-7969.	3.2	7
36	Antisite Pairs Suppress the Thermal Conductivity of BAs. Physical Review Letters, 2018, 121, 105901.	2.9	41

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37	Two-channel model for ultralow thermal conductivity of crystalline $Tl_{3}VSe_{4}$. Science, 2018, 360, 1455-1458.	6.0	206
38	Additive manufacturing of anisotropic hybrid NdFeB-SmFeN nylon composite bonded magnets. Journal of Magnetism and Magnetic Materials, 2018, 467, 8-13.	1.0	68
39	Giant magnetostriction effect near onset of spin reorientation in MnBi. Applied Physics Letters, 2018, 112, 192411.	1.5	2
40	Electronic phase separation and magnetic-field-induced phenomena in molecular multiferroic $ND_{2}O_{2}$. Physical Review B, 2018, 98, .		
41	Spin-glass behavior and vacancy order in van der Waals layered $\hat{I}^{2}\hat{a}^{\sim}MoCl_{4}$. Physical Review Materials, 2018, 2, .	0.9	5
42	Excitations and magnetization density distribution in the dilute ferromagnetic semiconductor $Yb_{1-x}Mn_{x}$. Physical Review B, 2017, 95, .	1.1	5
43	Magnetism out of antisite disorder in the $J_{c} = 0$ compound $Ba_{2}Mn_{2}$. Physical Review B, 2017, 96, .	1.1	25
44	Antiferromagnetism in the van der Waals layered spin-lozenge semiconductor $CrTe_{3}$. Physical Review B, 2017, 95, .	1.1	44
45	High- T_{c} Superconductivity in FeSe at High Pressure: Dominant Hole Carriers and Enhanced Spin Fluctuations. Physical Review Letters, 2017, 118, 147004.	2.9	64
46	Quantum critical behavior in the asymptotic limit of high disorder in the medium entropy alloy NiCoCr _{0.8} . Npj Quantum Materials, 2017, 2, .	1.8	18
47	2D Flux growth and characterization of Ce-substituted $Nd_{1-x}Ce_{x}$ single crystals. Journal of Magnetism and Magnetic Materials, 2017, 434, 1-9.	1.0	10
48	Magnetic behavior and spin-lattice coupling in cleavable van der Waals layered $CrCl_{3}$ crystals. Physical Review Materials, 2017, 1, .	0.9	16
49	Flux growth in a horizontal configuration: An analog to vapor transport growth. Physical Review Materials, 2017, 1, .	0.9	38
50	High-temperature magnetostructural transition in van der Waals-layered $Ir_{1-x}Pt_{x}$ crystals. Physical Review Materials, 2017, 1, .	0.7	17
51	Magnetic Ordering in Sr ₃ YCo ₄ O _{10+x} . Scientific Reports, 2016, 6, 19762.	1.6	9
52	Nonrigid band shift and nonmonotonic electronic structure changes upon doping in the normal state of the pnictide high-temperature superconductor $FeAs_{1-x}P_{x}$.		

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55	Extended magnetic exchange interactions in the high-temperature ferromagnet MnBi. Applied Physics Letters, 2016, 108, .	1.5	32
56	Boron arsenide phonon dispersion from inelastic x-ray scattering: Potential for ultrahigh thermal conductivity. Physical Review B, 2016, 94, .	1.1	29
57	Structural transition in $M\text{O}_3$ perovskites. Physical Review B, 2015, 92, .	1.1	7
58	Fragile singlet ground-state magnetism in the pyrochlore osmates $\text{R}_2\text{Os}_2\text{O}_7$. Physical Review B, 2015, 92, .	1.1	7
59	The origin of incipient ferroelectricity in lead telluride. Nature Communications, 2016, 7, 12291.	5.8	58
60	Quantum Critical Behavior in a Concentrated Ternary Solid Solution. Scientific Reports, 2016, 6, 26179.	1.6	50
61	Competing magnetic ground states and their coupling to the crystal lattice in CuFe_2Ge_2 . Scientific Reports, 2016, 6, 35325.	1.6	9
62	Dome-shaped magnetic order competing with high-temperature superconductivity at high pressures in FeSe. Nature Communications, 2016, 7, 12146.	5.8	210
63	The Origin of Magnetic Ordering in $\text{Sr}_3\text{YCo}_4\text{O}_{10+x}$. Microscopy and Microanalysis, 2016, 22, 1394-1395.	0.2	1
64	Anomalous magneto-elastic and charge doping effects in thallium-doped BaFe_2As_2 . Scientific Reports, 2016, 6, 21660.	1.6	4
65	High antiferromagnetic transition temperature of the honeycomb compound SrRu_2O_6 . Physical Review B, 2015, 92, .	1.1	37
66	Linear Antiferromagnetism in FeMnPO_8 . Physical Review B, 2015, 92, .	1.1	4
67	Evolution of competing magnetic order in the $\text{J}_1\text{J}_2\text{J}_3$ spin chain $\text{Sr}_2\text{Fe}_2\text{O}_7$. Physical Review B, 2015, 92, .	1.1	33
68	Fragile structural transition in Mo_3B_7 . Physical Review B, 2015, 92, .	1.1	33
69	High pressure floating zone growth and structural properties of ferrimagnetic quantum paraelectric $\text{BaFe}_{12}\text{O}_{19}$. APL Materials, 2015, 3, 062512.	2.2	48
70	Role of chalcogen vapor annealing in inducing bulk superconductivity in $\text{FeTe}_{1-x}\text{Se}_x$. Physical Review B, 2015, 91, .	1.1	10
71	Magnetic and structural transitions in $\text{La}_2\text{Fe}_2\text{O}_7$ perovskite crystals. Physical Review B, 2015, 91, .	1.1	10
72	Coupling of Crystal Structure and Magnetism in the Layered, Ferromagnetic Insulator CrI_3 . Chemistry of Materials, 2015, 27, 612-620.	3.2	729

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73	Quenching rattling modes in skutterudites with pressure. Physical Review B, 2015, 91, .	1.1	15
74	Local Observation of the Site Occupancy of Mn in a MnFePSi Compound. Physical Review Letters, 2015, 114, 106101.	2.9	20
75	Room-Temperature Ba(Fe _{1-x} Co _x) ₂ As ₂ is not Tetragonal: Direct Observation of Magnetoelastic Interactions in Pnictide Superconductors. Advanced Materials, 2015, 27, 2715-2721.	11.1	10
76	Strong spin-lattice coupling in CrSiTe ₃ . APL Materials, 2015, 3, .	2.2	192
77	Influence of chemical disorder on energy dissipation and defect evolution in concentrated solid solution alloys. Nature Communications, 2015, 6, 8736.	5.8	477
78	Research Update: Spatially resolved mapping of electronic structure on atomic level by multivariate statistical analysis. APL Materials, 2014, 2, .	2.2	14
79	spin-orbit insulating state close to the cubic limit in $\text{Ca}_4\text{IrO}_{27}$.	1.1	27
80	Crossover from spin waves to diffusive spin excitations in underdoped BaFe_2As_2 . Physical Review B, 2014, 89, .	1.1	18
81	Phonon Self-Energy and Origin of Anomalous Neutron Scattering Spectra in SnTe and PbTe Thermoelectrics. Physical Review Letters, 2014, 112, 175501.	2.9	125
82	Orbital Occupancy and Charge Doping in Iron-Based Superconductors. Advanced Materials, 2014, 26, 6193-6198.	11.1	13
83	Symmetry-lowering lattice distortion at the spin reorientation in MnBi single crystals. Physical Review B, 2014, 90, .	1.1	49
84	Ferromagnetism of Fe ₃ Sn and Alloys. Scientific Reports, 2014, 4, 7024.	1.6	62
85	Magnetism and electronic structure of $\text{La}_2\text{ZnIrO}_6$.	1.1	80
86	Absence of structural transition in LaMnO_3 and $\text{La}_2\text{Mg}_2\text{O}_7$.	1.1	6
87	Local crystallography analysis for atomically resolved scanning tunneling microscopy images. Nanotechnology, 2013, 24, 415707.	1.3	18
88	Magnetic phase transition in single crystals of the chiral helimagnet Cr_3NbS_6 .	1.1	11
89	Direct Probe of Interplay between Local Structure and Superconductivity in $\text{FeTe}_{0.55}\text{Se}_{0.45}$. ACS Nano, 2013, 7, 2634-2641.	7.3	24
90	Dy-V magnetic interaction and local structure bias on the complex spin and orbital ordering in DyVO_4 .	1.1	11

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91	Class-like phonon scattering from a spontaneous nanostructure in AgSbTe ₂ . Nature Nanotechnology, 2013, 8, 445-451.	15.6	161
92	Flux growth and physical properties of Mo ₃ Sb ₇ single crystals. Physical Review B, 2013, 87, .	1.1	13
93	Effect of pressure, temperature, fluorine doping, and rare earth elements on the phonon density of states of LFeAsO studied by nuclear inelastic scattering. Physical Review B, 2013, 87, .	1.1	9
94	Vanadium L _{2,3} XANES experiments and first-principles multielectron calculations: Impact of second-nearest neighboring cations on vanadium-bearing fresnoites. American Mineralogist, 2013, 98, 665-670.	0.9	8
95	Quasi-One-Dimensional Magnons in an Intermetallic Marcasite. Physical Review Letters, 2012, 108, 167202.	2.9	21
96	Transport, thermal, and magnetic properties of the narrow-gap semiconductor CrSb ₂ . Physical Review B, 2012, 86, .	1.1	43
97	Coupled structural and magnetic antiphase domain walls on BaFe ₂ As ₂ . Physical Review B, 2012, 86, .	1.1	12
98	Elastic properties of the Zintl ferromagnet YbMnSb ₁₄ . Physical Review B, 2012, 86, .	1.1	4
99	CeFeAsO _{1-x} . Physical Review B, 2012, 86, .		

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109	Phase transition and superconductivity of SrFe ₂ As ₂ under high pressure. Journal of Physics Condensed Matter, 2011, 23, 122201.	0.7	45
110	Magnetism and Disorder Effects on Muon Spin Rotation Measurements of the Magnetic Penetration Depth in Iron-Arsenic Superconductors. Physical Review Letters, 2011, 106, 127002.	2.9	28
111	Pressure effects on the transport coefficients of $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2011, 84, .	1.1	66
112	Giant anharmonic phonon scattering in PbTe. Nature Materials, 2011, 10, 614-619.	13.3	561
113	Search for pressure-induced superconductivity in CeFeAsO and CeFePO iron pnictides. Physical Review B, 2011, 83, .	1.1	26
114	Variation of physical properties in the nominal SrV ₂ O ₆ Fe ₂ As ₂ . Physica C: Superconductivity and Its Applications, 2011, 471, 143-149.	0.6	18
115	Thermoelectric properties of Co-, Ir-, and Os-doped FeSi alloys: Evidence for strong electron-phonon coupling. Physical Review B, 2011, 83, .	1.1	64
116	Unusual phase transitions and magnetoelastic coupling in TlFe _{1.6} Se ₂ single crystals. Physical Review B, 2011, 83, .	1.1	21
117	Evolution of spin excitations into the superconducting state in FeTe _{1-x} Sex. Nature Physics, 2010, 6, 182-186.	6.5	151
118	Lattice dynamical probe of charge order and antipolar bilayer stacking in LuFe_2As_2 . Physical Review B, 2010, 82, .	1.1	37
119	Electronic structure of $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2010, 82, .	1.1	37
120			

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127	Effects of Nematic Fluctuations on the Elastic Properties of Iron Arsenide Superconductors. Physical Review Letters, 2010, 105, 157003.	2.9	318
128	Electrical transport in charge-ordered Fe_2As_2 Resistive switching and pressure effects. Physical Review B, 2010, 82, .		
129	Low-temperature thermal conductivity of BaFe_2As_2 : A parent compound of iron arsenide superconductors. Physical Review B, 2009, 79, .	1.1	9
130	^{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, .	1.1	36
131	Two-dimensional resonant magnetic excitation in $\text{BaFe}_{1.84}\text{Co}_{0.16}\text{As}_2$ Physical Review Letters. 2009, 102, 107005.	2.9	237
132	Aligned crystallite powder of $\text{NdFeAsO}_{0.86}\text{F}_{0.14}$: Magnetic hysteresis and penetration depth. Physical Review B, 2009, 79, .	1.1	4
133	Probing microscopic variations of superconductivity on the surface of $\text{BaFe}_{1.84}\text{Co}_{0.16}\text{As}_2$ Physical Review Letters. 2009, 102, 107005.	1.1	5
134	Electronic phase diagram of the iron-based high- T_c superconductors $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$ Physical Review B, 2009, 79, .		

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145	Phonon Density of States of $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review Letters, 2008, 101, 157004.	2.9	65
146	Pressure effects on the electron-doped high-Tc superconductor BaFe_2As_2 . Journal of Physics Condensed Matter, 2008, 20, 472201.	0.7	48
147	^{59}Co and ^{75}As NMR Investigation of Electron-Doped High-Tc Superconductor $\text{BaFe}_{1.8}\text{Co}_{0.2}\text{As}_2$ ($T_c = 22$ K). Journal of the Physical Society of Japan, 2008, 77, 103705.	0.7	99
148	Charge Order, Dynamics, and Magnetotransport in Multiferroic LuFe_2O_4 . Physical Review Letters, 2008, 100, 107601.		141
149	Intrinsic Spin Susceptibility in Multiferroic LuFe_2O_4 . Physical Review Letters, 2008, 100, 107601.		130
150	Superconductivity in $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2008, 78, .	1.1	105
151	Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor $\text{LaO}_{0.89}\text{FO}_{1.1}\text{FeAs}$. Applied Physics Letters, 2008, 92, 252501.	1.5	59
152	Color properties of the model spin chain materials VVO and VOPO . Physical Review Letters, 2008, 101, 227601.	1.1	1
153	Charge Order in $\text{LuFe}_4\text{O}_{12}$. Physical Review Letters, 2008, 101, 227601.	2.9	120
154	^{51}V NMR investigation of the iron pnictide superconductor $\text{LaFeAsO}_{0.89}\text{FO}_{1.1}$. Physical Review B, 2008, 78, .	1.1	120
155	Evidence for Strong Itinerant Spin Fluctuations in the Normal State of $\text{CeFeAsO}_{0.89}\text{F}_{0.11}$ Superconductors. Physical Review Letters, 2008, 101, 267001.	2.9	106
156	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.	0.7	16
157	Ferrimagnetism in $\text{EuFe}_4\text{Sb}_{12}$ due to the Interplay of Electron Moments and a Nearly Ferromagnetic Host. Physical Review Letters, 2007, 98, 126403.	2.9	38
158	Incommensurate Charge Order Phase in Fe_2O_7 to Geometrical Frustration. Physical Review Letters, 2007, 99, 256402.	0.7	30
159	Critical Overview of Recent Approaches to Improved Thermoelectric Materials. International Journal of Applied Ceramic Technology, 2007, 4, 291-296.	1.1	49
160	Magnetic behaviour of layered Ag(II) fluorides. Nature Materials, 2006, 5, 561-565.	13.3	82
161	Pressure effects on superconducting and magnetic transitions in layered sodium cobalt oxides, Na_xCoO_2 . Journal of Low Temperature Physics, 2006, 142, 573-576.	0.6	4
162	Magnetic excitation spectrum of the square lattice $S=1/2$ Heisenberg antiferromagnet $\text{K}_2\text{V}_3\text{O}_8$. Physical Review B, 2006, 74, .	1.1	17

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163	Ba ₂ CoO ₄ : Crystal growth, structure refinement, and physical properties. Physical Review B, 2006, 73, .	1.1	17
164	Goldstone-Mode Phonon Dynamics in the Pyrochlore Cd ₂ Re ₂ O ₇ . Physical Review Letters, 2005, 95, 125503.	2.9	47
165	Fermi Surface Evolution and Luttinger Theorem in Na _x CoO ₂ : A Systematic Photoemission Study. Physical Review Letters, 2005, 95, 146401.	2.9	140
166	Observation of a New Magnetic Anomaly below the Ferromagnetic Curie Temperature in Yb ₁₄ MnSb ₁₁ . Physical Review Letters, 2005, 95, 227205.	2.9	6
167	Magnetic Excitations in Cu ₂ Fe ₂ Ge ₄ O ₁₃ . Progress of Theoretical Physics Supplement, 2005, 159, 96-100.	0.2	0
168	ARPES on Na _{0.6} CoO ₂ : Fermi Surface and Unusual Band Dispersion. Physical Review Letters, 2004, 92, 246403.	2.9	143
169	Four-Well Tunneling States and Elastic Response of Clathrates. Physical Review Letters, 2004, 92, 185502.	2.9	59
170	A combined temperature-dependent electron and single-crystal X-ray diffraction study of the fersnoite compound Rb ₂ V ₄ +V ₂ S ₈ . Journal of Solid State Chemistry, 2004, 177, 3316-3323.	1.4	12
171	Epitaxial structure and transport in LaTiO _{3+x} films on (001) SrTiO ₃ . Physica Status Solidi A, 2003, 200, 346-351.	1.7	22
172	Einstein Oscillators in Thallium Filled Antimony Skutterudites. Physical Review Letters, 2003, 90, 135505.	2.9	179
173	Pulsed laser deposition of Bi ₂ Te ₃ -based thermoelectric thin films. Journal of Applied Physics, 2003, 94, 3907-3918.	1.1	110
174	Observation of Bulk Superconductivity in Na _x CoO ₂ ·yH ₂ O and Na _x CoO ₂ ·yD ₂ O Powder and Single Crystals. Physical Review Letters, 2003, 91, 217001.	2.9	93
175	In-Plane Thermal Conductivity of Nd ₂ CuO ₄ : Evidence for Magnon Heat Transport. Physical Review Letters, 2003, 91, 146601.	2.9	49
176	Electronic structure of thallium filled skutterudites studied by x-ray absorption and Mössbauer spectroscopy. Journal of Applied Physics, 2002, 92, 7236-7241.	1.1	12
177	Fluctuation effects on the physical properties of Cd ₂ Re ₂ O ₇ near 200 K. Journal of Physics Condensed Matter, 2002, 14, L117-L123.	0.7	30
178	THERMOELECTRIC MATERIALS: Smaller Is Cooler. Science, 2002, 295, 1248-1249.	6.0	424
179	Weak Ferromagnetism and Field-Induced Spin Reorientation in K ₂ V ₃ O ₈ . Physical Review Letters, 2001, 86, 159-162.	2.9	78
180	Growth mechanism of superconducting MgB ₂ films prepared by various methods. Journal of Materials Research, 2001, 16, 2759-2762.	1.2	50

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181	Chapter 1 Use of atomic displacement parameters in thermoelectric materials research. Semiconductors and Semimetals, 2001, 70, 1-36.	0.4	56
182	Superconducting magnesium diboride films on Si with $T_c \approx 4.24$ K grown via vacuum annealing from stoichiometric precursors. Applied Physics Letters, 2001, 79, 2603-2605.	1.5	48
183	Thermoelectric properties of thallium-filled skutterudites. Physical Review B, 2000, 61, 2475-2481.	1.1	287
184	Magnetoelastic coupling and spin excitations in the spin-gap system $(VO)_2P_2O_7$: A Raman scattering study. Physical Review B, 2000, 61, 6126-6132.	1.1	22
185	Thermoelectric properties of chemically substituted skutterudites $Yb_{1-x}Co_4Sb_{12}Sb_x$. Journal of Applied Physics, 2000, 88, 1948-1951.	1.1	103
186	Pressure dependence of the electrical resistivity of the filled skutterudites $LnFe_4Sb_{12}$ ($Ln = Ce, Yb$). Journal of Physics Condensed Matter, 2000, 12, 1261-1267.	0.7	27
187	Thermoelectric and optical properties of the filled skutterudite $YbFe_4Sb_{12}$. Physical Review B, 2000, 61, 4608-4614.	1.1	85
188	Lattice dynamics and reduced thermal conductivity of filled skutterudites. Physical Review B, 2000, 61, R9209-R9212.	1.1	116
189	Thermoelectric properties of Tl_2SnTe_5 and Tl_2GeTe_5 . Applied Physics Letters, 1999, 74, 3794-3796.	1.5	71
190	Disparate atomic displacements in skutterudite-type $LaFe_3CoSb_{12}$, a model for thermoelectric behavior. Acta Crystallographica Section B: Structural Science, 1999, 55, 341-347.	1.8	77
191	Localized vibrational modes in metallic solids. Nature, 1998, 395, 876-878.	13.7	532
192	Unusual transport and large diamagnetism in the intermetallic semiconductor $RuAl_2$. Physical Review B, 1998, 58, 3712-3716.	1.1	41
193	Heavy fermion behaviour of the cerium-filled skutterudites and. Journal of Physics Condensed Matter, 1998, 10, 6973-6985.	0.7	95
194	Neutron-scattering study of magnetic excitations in $(VO)_2P_2O_7$. Physical Review B, 1997, 55, 3631-3635.	1.1	37
195	Magnetic Excitations in the $S=1/2$ Alternating Chain Compound $(VO)_2P_2O_7$. Physical Review Letters, 1997, 79, 745-748.	2.9	204
196	Magnetic excitations in the spin ladder system $(VO)_2P_2O_7$. Journal of Applied Physics, 1997, 81, 3968-3970.	1.1	1
197	Magnetism in $BaCoS_2$. Journal of Applied Physics, 1997, 81, 4620-4622.	1.1	16
198	Alternating current losses in biaxially textured $YBa_2Cu_3O_{7-x}$ films deposited on Ni tapes. Applied Physics Letters, 1997, 71, 2029-2031.	1.5	33

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199	Thermoelectric Materials: New Approaches to an Old Problem. <i>Physics Today</i> , 1997, 50, 42-47.	0.3	773
200	Sonochemical Synthesis of C ₆₀ H ₂ . <i>Journal of Physical Chemistry B</i> , 1997, 101, 123-128.	1.2	37
201	Novel thermoelectric materials. <i>Current Opinion in Solid State and Materials Science</i> , 1997, 2, 284-289.	5.6	37
202	Filled skutterudite antimonides: Electron crystals and phonon glasses. <i>Physical Review B</i> , 1997, 56, 15081-15089.	1.1	787
203	Characterization of Thin Film Rechargeable Lithium Batteries with Lithium Cobalt Oxide Cathodes. <i>Journal of the Electrochemical Society</i> , 1996, 143, 3203-3213.	1.3	394
204	Filled Skutterudite Antimonides: A New Class of Thermoelectric Materials. <i>Science</i> , 1996, 272, 1325-1328.	6.0	1,892
205	Epitaxial YBa ₂ Cu ₃ O ₇ on Biaxially Textured Nickel (001): An Approach to Superconducting Tapes with High Critical Current Density. <i>Science</i> , 1996, 274, 755-757.	6.0	678
206	Thermoelectric properties of CoSb ₃ and related alloys. <i>Journal of Applied Physics</i> , 1995, 78, 1013-1018.	1.1	303
207	Phonon-drag thermopower correlations to T _c in superconducting Sr _x Nd _{1-x} CuO ₂ : Evidence for phonon-mediated pairing in the high-T _c parent compounds. <i>Physical Review B</i> , 1995, 52, R743-R746.	1.1	7
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