

Sergey L Bud'ko

List of Publications by Year in descending order

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265
papers

10,194
citations

36691

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51423

90
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268
all docs

268
docs citations

268
times ranked

7835
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Co substitution on thermodynamic and transport properties and anisotropic $H_c < 2c$		

#	ARTICLE	IF	CITATIONS
19	Flux pinning in PrFeAsO . <i>Physical Review B</i> , 2010, 81, 114101.	1.1	103
20	A family of binary magnetic icosahedral quasicrystals based on rare earths and cadmium. <i>Nature Materials</i> , 2013, 12, 714-718.	13.3	98
21	Versatile and compact capacitive dilatometer. <i>Review of Scientific Instruments</i> , 2006, 77, 123907.	0.6	93
22	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. <i>Physical Review Letters</i> , 2016, 117, 127001.	2.9	93
23	Superconducting MgB2 thin films by pulsed laser deposition. <i>Applied Physics Letters</i> , 2001, 79, 227-229.	1.5	92
24	London penetration depth in single crystals of BaFe_2As_2 . <i>Physical Review B</i> , 2009, 79, 114507.	1.1	92
25	Phase transition in bulk single crystals and thin films of BaFe_2As_2 . <i>Physical Review B</i> , 2015, 91, 014407.	1.1	88
26	Antiferromagnetic ordering in the absence of structural distortion in BaFe_2As_2 . <i>Physical Review B</i> , 2010, 82, 114407.	1.1	87
27			

#	ARTICLE	IF	CITATIONS
37	Three- to Two-Dimensional Transition of the Electronic Structure in CaFe_2As_2 A Parent Compound for an Iron Arsenic High-Temperature Superconductor. Physical Review Letters, 2009, 102, 167004.	2.9	71
38	Enhancement of the Superconducting Gap by Nesting in $\text{CaKFe}_4\text{As}_8$ A New High Temperature Superconductor. Physical Review Letters, 2016, 117, 277001.	2.9	71
39	Optical Spectroscopy of Superconducting $\text{Ba}_{0.55}\text{K}_{0.45}\text{Fe}_2$ Evidence for Strong Coupling to Low-Energy Bosons. Physical Review Letters, 2009, 102, 167003.	2.9	68
40	London penetration depth in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2$ Physical Review B, 2010, 82, .	1.1	66
41	Muon spin rotation measurement of the magnetic field penetration depth in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2$ Physical Review B, 2009, 80, .	1.1	64
42	Ultrafast observation of critical nematic fluctuations and giant magnetoelastic coupling in iron pnictides. Nature Communications, 2014, 5, 3229.	5.8	64
43	Magnetic properties of $\text{R}_2\text{Fe}_2\text{Co}_2$ Coexistence of Cluster Spin Glass and Superconductivity in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2$ Physical Review Letters, 2013, 111, 207201.	1.1	62
44	Giant magnetic anisotropy and tunnelling of the magnetization in $\text{Li}_2(\text{Li}_{1-x}\text{Fe}_x)\text{N}$. Nature Communications, 2014, 5, 3333.	2.9	60
45	Magnetic-field-tuned quantum criticality of the heavy-fermion system YbPtBi . Physical Review B, 2013, 87, .	1.1	59
46	Solidification and loss of hydrostaticity in liquid media used for pressure measurements. Review of Scientific Instruments, 2015, 86, 123904.	0.6	58
47	Manipulating magnetism in the topological semimetal EuCd_2As_2 Physical Review B, 2020, 101, .	1.1	58
48	Temperature and magnetic pressure derivatives of T_c in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2$ Physical Review B, 2010, 82, .	1.1	58
49			

#	ARTICLE	IF	CITATIONS
55	Variation of the magnetic ordering in $\text{GdT}_2\text{Zn}_{20}$ (T=Fe, Ru, Os, Co, Rh and Ir) and its correlation with the electronic structure of isostructural $\text{YT}_2\text{Zn}_{20}$. <i>Physical Review B</i> , 2008, 77, .	1.1	53
56	Asymmetric mass acquisition in LaBi: Topological semimetal candidate. <i>Physical Review B</i> , 2016, 94, .	1.1	52
57	Combined effects of pressure and Ru substitution on BaFe_2As_2 . <i>Physical Review B</i> , 2014, .	1.1	51
58	Effect of tensile stress on the in-plane resistivity anisotropy in BaFe_2As_2 . <i>Physical Review B</i> , 2012, 85, .	1.1	51
59	Charge-density-wave orderings in LaAgSb_2 : An x-ray scattering study. <i>Physical Review B</i> , 2003, 68, .	1.1	50
60	Upper and lower critical magnetic fields of superconducting NdFeAsO_{1-x} crystals studied by Hall-probe magnetization and specific heat. <i>Physical Review B</i> , 2009, 79, .	1.1	50
61	Enhancement of superconducting transition temperature by pointlike disorder and anisotropic energy gap in FeSe single crystals. <i>Physical Review B</i> , 2016, 94, .	1.1	50
62	Systematic study of the superconducting and normal-state properties of neutron-irradiated MgB_2 . <i>Physical Review B</i> , 2006, 73, .	1.1	49
63	Vortices in superconducting $\text{Ba}(\text{Fe}_{0.93}\text{Co}_{0.07})_2\text{As}_2$ studied via small-angle neutron scattering and Bitter decoration. <i>Physical Review B</i> , 2009, 79, .	1.1	49
64	Nodeless multiband superconductivity in stoichiometric single-crystalline CaFe_4As_8 . <i>Physical Review B</i> , 2017, 95, .	1.1	49

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73	Upper critical field of $KxFe_2As_2$ pressure: A test for the change in the superconducting gap structure. Physical Review B, 2014, 89, .	1.1	41
74	Unusual Temperature Dependence of Band Dispersion in $BaFe_2As_2$ stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo></mml:mo></mml:mrow></mml:math>). Physical Review Letters, 2013, 110, 067002.	2.9	42
75	Effect of nickel substitution on magnetism in the layered van der Waals ferromagnet $BaFe_2As_2$. Physical Review B, 2018, 98, .	1.1	41
76	Electronic structure of $R_2Sb_2O_7$ (</mml:math> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>Sb</mml:mi></mml:mrow></mml:math>). Physical Review B, 2018, 98, .	1.1	41
77	angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, . Uniaxial strain control of spin-polarization in multicomponent nematic order of $BaFe_2As_2$. Nature Communications, 2018, 9, 1058.	5.8	41
78	Local magnetic inhomogeneities in $Ba(Fe_{1-x}Ni_x)_2As_2$ seen via ^{75}As NMR. Physical Review B, 2010, 82, .	1.1	38
79	Nodeless superconductivity in the type-II Dirac semimetal $PdTe_2$: London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	1.1	38
80	Magnetism and superconductivity in rare earth ϵ -nickel borocarbides. Comptes Rendus Physique, 2006, 7, 56-67.	0.3	36
81	Superfluid density and field-induced magnetism in $Ba(Fe_{1-x}Co_x)_2As_2$ and $Sr(Fe_{1-x}Co_x)_2As_2$ measured with muon spin relaxation. Physical Review B, 2010, 82, .	1.1	36
82	Heat capacity jump at T_c and pressure derivatives of superconducting transition temperature in the $Ba_{1-x}K_xFe_2As_2$ (0.2 $\leq x \leq$ 1.0) series. Physical Review B, 2013, 87, .	1.1	36
83	Pressure-induced half-collapsed-tetragonal phase in $CaKFe_4As_4$. Physical Review B, 2017, 96, .	1.1	36
84	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in $FeSe$. Physical Review B, 2018, 98, .	1.1	36
85	NMR spectroscopy of the normal and superconducting states of MgB_2 and comparison to AlB_2 . Physical Review B, 2002, 66, .	1.1	34
86	Competing Magnetic Fluctuations in Iron Pnictide Superconductors: Role of Ferromagnetic Spin Correlations Revealed by NMR. Physical Review Letters, 2015, 115, 137001.	2.9	34
87	^{11}B NMR and relaxation in the MgB_2 superconductor. Physical Review B, 2001, 64, .	1.1	33
88	Multiple regions of quantum criticality in $YbAgGe$. Physical Review B, 2011, 83, .	1.1	33
89	NMR evidence for inhomogeneous glassy behavior driven by nematic fluctuations in iron arsenide superconductors. Physical Review B, 2015, 92, .	1.1	33
90	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet VI_3 ambient and finite pressures. Physical Review B, 2019, 100, .	1.1	33

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91	Anomalous Reduction of the Lorenz Ratio at the Quantum Critical Point in YbAgGe. Physical Review Letters, 2013, 110, 176402.	2.9	32
92	High-Temperature Superconductivity in Hydrides: Experimental Evidence and Details. Journal of Superconductivity and Novel Magnetism, 2022, 35, 965-977.	0.8	32
93	Magnetic field screening in hydrogen-rich high-temperature superconductors. Nature Communications, 2022, 13, .	5.8	32
94	Pauli Paramagnetic Effects on Vortices in Superconducting $TmNi_2B_2C$. Physical Review Letters, 2007, 99, 167001.	2.9	31
95	Multigap superconductivity and Shubnikov-de Haas oscillations in single crystals of the layered boride OsB_2 . Physical Review B, 2010, 82, .	1.1	31
96	Development of viable solutions for the synthesis of sulfur bearing single crystals. Philosophical Magazine, 2012, 92, 2436-2447.	0.7	31
97	Dispersion of the superconducting spin resonance in underdoped and antiferromagnetic $BaFe_2As_2$. Physical Review B, 2011, 84, .	1.1	30
98	Suppression of ferromagnetism in the LaV Cr_x Ce_{1-x} . Physical Review B, 2011, 84, .	1.1	30
99	Nonequilibrium Pair Breaking in $BaFe_2As_2$. Physical Review B, 2011, 84, .	1.1	29
100	Nonequilibrium Pair Breaking in $BaFe_2As_2$. Physical Review B, 2011, 84, .	1.1	29
101	Anisotropy and internal-field distribution of MgB_2 in the mixed state at low temperatures. Physical Review B, 2004, 70, .	1.1	27
102	Magnetic properties of $GdY_2Fe_2Zn_{20}$. Physical Review B, 2011, 84, .	1.1	27
103	Magnetic order in GdBiPt studied by x-ray resonant magnetic scattering. Physical Review B, 2011, 84, .	1.1	27
104	Magnetic and transport properties of t_2 - R -Cd icosahedral quasicrystals. Physical Review B, 2014, 90, .	1.1	27
105	Preserved entropy and fragile magnetism. Reports on Progress in Physics, 2016, 79, 084506. Signatures of quantum criticality in the thermopower of $Ba(Fe_{1-x}Tl_x)Te$. Physical Review B, 2016, 93, 040406.	8.1	27
106	Fermi surface reconstruction in $Tl_{1-x}Fe_xTe$. Physical Review B, 2016, 93, 040406.	1.1	26
107	Signature of quantum criticality in the thermopower of $Ba(Fe_{1-x}Tl_x)Te$. Physical Review B, 2016, 93, 040406.	1.1	25
108	Electron irradiation effects on superconductivity in $PdTe_{1-x}S_x$: An application of a generalized Anderson theorem. Physical Review Research, 2020, 2, .	1.3	25

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109	Emergence of Fermi arcs due to magnetic splitting in an antiferromagnet. Nature, 2022, 603, 610-615.	13.7	25
110	Hydrostatic and uniaxial pressure dependence of superconducting transition temperature of KFe_2As_2 . Physical Review B, 2012, 86, .	1.1	24
111	Super-heavy electron material as metallic refrigerant for adiabatic demagnetization cooling. Science Advances, 2016, 2, e1600835.	4.7	24
112	Field-dependent Hall effect in single-crystal heavy-fermion YbAgGe below 1K. Physical Review B, 2005, 72, .	1.1	23
113	Superelasticity and cryogenic linear shape memory effects of $CaFe_2As_2$. Nature Communications, 2017, 8, 1083.	5.8	22
114	Pressure-induced ferromagnetism in the topological semimetal Cd_3As_2 . Physical Review B, 2021, 104, .	2.9	21
115	Magnonlike Dispersion of Spin Resonance in Ni-doped $Ba_2Fe_2As_2$. Physical Review Letters, 2013, 110, 177002.	1.1	21
116	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	1.1	21
117	Structural and Ferromagnetic Properties of an Orthorhombic Phase of MnBi Stabilized with Rh Additions. Physical Review Applied, 2015, 4, .	1.5	21
118	Optical properties of $A_2Fe_2As_2$ ($A = Ba, Sr, Pb$). Physical Review B, 2011, 84, 040407.	1.1	21
119	Quantum tricritical point in the temperature-pressure-magnetic field phase diagram of $CeTiGe_3$. Physical Review B, 2018, 97, .	1.1	21
120	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized $LaCrGe_3$. Physical Review B, 2021, 103, .	1.1	21
121	Effect of pressure and chemical substitutions on the charge-density-wave in $LaAgSb_2$. Physical Review B, 2006, 73, .	1.1	20
122	Effects of substitution on low-temperature physical properties of $LuFe_2Ge_2$. Philosophical Magazine, 2011, 91, 4388-4400.	0.7	20
123	Heat capacity jump at T_c and pressure derivatives of superconducting transition temperature in the $Ba_{1-x}Na_xFe_2As_2$ (0.1 ≤ x ≤ 0.9) series. Physical Review B, 2014, 89, .	1.1	20
124	Effects of Band Filling on Magnetic Structures: The Case of RNi_2Ge_2 . Physical Review Letters, 1999, 83, 2817-2820.	2.9	19
125	Bulk Superconductivity and Role of Fluctuations in the Iron-Based Superconductor FeSe at High Pressures. Physical Review Letters, 2019, 123, 167002.	2.9	19
126	Fragility of Fermi arcs in Dirac semimetals. Physical Review B, 2019, 99, .	1.1	19

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127	Magnetoelastoresistance in WTe_2 : Exploring electronic structure and extremely large magnetoresistance under strain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25524-25529.	3.3	19
128	Hydrostatic pressure study of pure and doped $LaAgSb_2$. Physical Review B, 2010, 82, .	1.1	18
129	Commensurate antiferromagnetic ordering in $Ba_1-xSb_xFe_2As_2$. Physical Review B, 2007, 76, .	1.1	18
130	Coexistence of antiferromagnetic ordering and superconductivity in the $Ba(Fe_{0.961}Rh_{0.039})_2As_2$ compound studied by Mössbauer spectroscopy. Physical Review B, 2011, 84, .	1.1	18
131	Upper critical magnetic field in $Ba_{0.68}K_{0.32}Fe_2As_2$ and $Ba(Fe_{0.93}Co_{0.07})_2As_2$. JETP Letters, 2011, 93, 667-672.	0.4	18
132	Robust tunability of magnetoresistance in half-Heusler $RPtBi$. Physical Review B, 2010, 82, .	1.1	18
133	Hydrostatic and Uniaxial Pressure Tuning of Iron-Based Superconductors: Insights into Superconductivity, Magnetism, Nematicity, and Collapsed Tetragonal Transitions. Annalen Der Physik, 2020, 532, 2000248.	0.9	18
134	Conjugation of quantum dots and Fe_3O_4 on carbon nanotubes for medical diagnosis and treatment. Applied Physics Letters, 2009, 95, 223702.	1.5	17
135	Magnetic order in $TbCo_2$. Physical Review B, 2010, 81, .	1.1	17
136	Anomalous Meissner effect in pnictide superconductors. Physical Review B, 2010, 82, .	1.1	17
137	NMR of As_75 . Physical Review B, 2010, 82, .		

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145	Pressure-induced collapsed-tetragonal phase in SrCo ₂ As ₂ . Physical Review B, 2015, 92, .	1.1	16
146	Robust s - d pairing in CaK ₂ Fe ₄ As ₈ . Physical Review B, 2018, 97, .	1.1	16
147	Lipid-coated superparamagnetic nanoparticles for thermoresponsive cancer treatment. International Journal of Pharmaceutics, 2018, 548, 297-304.	2.6	16
148	Design of a metallic Ising spin glass in the Y _{1-x} Tb _x Ni ₂ Ge ₂ system. Physical Review B, 2000, 62, 15056-15066.	1.1	15
149	Thermal expansion and magnetostriction of pure and doped RAgSb ₂ (R = Y, Sm, La) single crystals. Journal of Physics Condensed Matter, 2008, 20, 115210. Physical properties of GdFe ₂	0.7	15

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163	Separation of energy scales in the kagome antiferromagnet TmAgGe: A magnetic-field-orientation study up to 55 T. <i>Physical Review B</i> , 2007, 75, .	1.1	13
164	Effect of heavy-ion irradiation on London penetration depth in overdoped Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2013, 88, .	1.1	13
165	⁵⁷ Fe Mössbauer study of stoichiometric iron-based superconductor CaFe ₄ As ₄ : a comparison to KFe ₂ As ₂ and CaFe ₂ As ₂ . <i>Philosophical Magazine</i> , 2017, 97, 2689-2703.	0.7	13
166	Local nematic susceptibility in stressed BaFe ₂ Mn ₂ from NMR electric field gradient measurements. <i>Physical Review B</i> , 2017, 96, .	1.1	13
167	Electronic structure of the topological superconductor candidate Au ₁₂ . <i>Physical Review B</i> , 2018, 98, .	1.1	13
168	Dual Targeting with Cell Surface Electrical Charge and Folic Acid via Superparamagnetic Fe ₃ O ₄ @Cu ₂ S for Photothermal Cancer Cell Killing. <i>Cancers</i> , 2021, 13, 5275.	1.7	13
169	Neutron scattering study of TbPtIn intermetallic compound. <i>Journal of Applied Physics</i> , 2004, 95, 6921-6923.	1.1	12
170	Small-angle neutron scattering study of the vortex lattice in superconducting LuNi ₂ . <i>Physical Review B</i> , 2009, 79, .	1.1	12
171	Magnetic Properties of RB66 (R = Gd, Tb, Ho, Er, and Lu). <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 2371-2375.	0.8	12
172	Quantum oscillations in the heavy-fermion compound YbPtBi. <i>Physical Review B</i> , 2015, 92, .	1.1	11
173	Near room temperature antiferromagnetic ordering with a potential low-dimensional magnetism in AlMn ₂ B. <i>Physical Review Materials</i> , 2019, 3, .	1.1	11
174	Distinguishing local moment versus itinerant ferromagnets: Dynamic magnetic susceptibility. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	10
175	In situ high energy x-ray synchrotron diffraction study of the synthesis and stoichiometry of LaFeAsO and LaFeAsO _{1-x} F _y . <i>Journal of Applied Physics</i> , 2009, 105, 123912.	1.1	10
176	Upper critical fields and two-band superconductivity in Sr _{1-x} Eux(Fe _{0.89} Co _{0.11}) ₂ As ₂ (x=0.20 and 0.46). <i>Physical Review B</i> , 2012, 85, .	1.1	10
177	Crystal structure of slightly orthorhombic twinned Ba(Fe _{1-x} Ti _x) ₂ ETQq1.10.784314.rgBT/Overlock IU Tf 50 207 Td (x=0.171). <i>Philosophical Magazine</i> , 2013, 93, 661-672.	1.1	10
178	Thermoelectric power of Ba(Fe _{1-x} Co _x) ₂ As ₂ (0 ≤ x ≤ 0.05) and Ba(Fe _{1-x} Rh _x) ₂ As ₂ (0 ≤ x ≤ 0.171). <i>Philosophical Magazine</i> , 2013, 93, 661-672.	1.1	10
179	Heat capacity and thermal expansion of icosahedral lutetium boride LuB ₆₆ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 765-769.	2.0	10
180	Pressure dependence of coherence-incoherence crossover behavior in KFe ₂ As ₂ observed by resistivity and As ₇₅ -NMR/NQR. <i>Physical Review B</i> , 2018, 97, .	1.1	10

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181	X-ray magnetic circular dichroism study of TbNi ₂ B ₂ C. Physical Review B, 2001, 64, . Magnetically polarized Ir dopant atoms in superconducting Ba(Fe \times Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 727 Td (xmlns:mml=	1.1	9
182		1.1	9
183	Spatially resolved penetration depth measurements and disorder manipulation in the ferromagnetic superconductor $\text{ErNi}_2\text{B}_2\text{C}$. Physical Review B, 2015, 92, .	1.1	9
184	Defect mode and crystal-electric-field effects on the thermal expansion and heat capacity of RB50 boride. Journal of Thermal Analysis and Calorimetry, 2017, 129, 15-21.	2.0	9
185	Effect of pressure on the physical properties of the superconductor NiBi ₃ . Journal of Physics Condensed Matter, 2019, 31, 035701.	0.7	9
186	Clathrate BaNi ₂ P ₄ : An Interplay of Heat and Charge Transport Due to Strong Host-Guest Interactions. Chemistry of Materials, 2020, 32, 7932-7940.	3.2	9
187	Avoided ferromagnetic quantum critical point in pressurized LaMnO_5 . Physical Review B, 2021, 103, .	1.1	9
188	Superconductivity in presence of localized magnetic moments. Case study of Er(Ni,Co) ₂ B ₂ C. Physica B: Condensed Matter, 2000, 280, 356-361.	1.3	8
189	Strong enhancement of the critical current at the antiferromagnetic transition in ErNi ₂ B ₂ C single crystals. Physical Review B, 2013, 87, .	1.1	8
190	On the determination of hardness and elastic modulus in BaFe ₂ As ₂ lamellar-like material. Journal of Materials Research, 2016, 31, 1413-1422.	1.2	8
191	Physical properties of single crystalline $\text{R}_2\text{Mg}_2\text{Cu}_9$.		

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199	Multi-band effects in in-plane resistivity anisotropy of strain-detwinned disordered Ba(Fe _{1-x} Ru _x) ₂ As ₂ . Journal of Physics Condensed Matter, 2018, 30, 315601.	0.7	7
200	Pressure tuning of structural and magnetic transitions in EuAg_4As_2 . Physical Review B, 2020, 101, .	1.1	7
201	Characterization of the pressure coefficient of manganin and temperature evolution of pressure in piston-cylinder cells. Review of Scientific Instruments, 2020, 91, 095103.	0.6	7
202	Tuning of charge density wave transitions in LaAu_2Pt_2 by pressure and Au stoichiometry. Physical Review B, 2020, 102, .		
203	Magnetic order in the van der Waals antiferromagnet CrPS_4 : Anisotropic phase diagrams and effects of pressure. Physical Review B, 2021, 103, .	1.1	7
204	Observation of domain boundaries in a TbNi ₂ B ₂ C single crystal. JETP Letters, 2003, 77, 502-504.	0.4	6
205	Imaging antiferromagnetic domains in GdNi ₂ Ge ₂ with x-ray resonant magnetic scattering. Applied Physics Letters, 2005, 87, 202505.	1.5	6
206	Physical properties of CeGe ₂ ($x = 0.24$) single crystals. Journal of Physics Condensed Matter, 2014, 26, 146005.	0.7	6
207	Study of ⁵⁷ Fe Mössbauer effect in RFe ₂ Zn ₂₀ (R = Lu, Yb, Gd). Journal of Physics Condensed Matter, 2015, 27, 336003.	0.7	6
208	Using first-principles calculations to screen for fragile magnetism: Case study of LaCrGe_3 and LaCrSb_3 . Physical Review B, 2018, 97, .	1.1	6
209	Role of the Fermi surface for the pressure-tuned nematic transition in the BaFe_2As_2 family. Physical Review B, 2019, 100, .		
210	Magnetic and structural transitions in EuAg ₄ As ₂ studied using ¹⁵¹ Eu Mössbauer spectroscopy. AIP Advances, 2019, 9, .	0.6	6
211	Study of the ferromagnetic quantum phase transition in Ce _{3-x} Mg _x Co ₉ . Philosophical Magazine, 2020, 100, 1607-1619.	0.7	6
212	Small-moment antiferromagnetic ordering in single-crystalline La_2Pt_2 . Physical Review B, 2022, 105, .		
213	Magnetisation and magneto-transport measurements on CeBi single crystals. Philosophical Magazine, 2022, 102, 542-558.	0.7	6
214	Energy gaps in doped MgB ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1743-1748.	0.8	5
215	Hydrostatic pressure study of single-crystalline UNi _{0.5} Sb ₂ . Journal of Applied Physics, 2008, 103, 07B704.	1.1	5
216	Physical properties of single crystalline BaSn ₅ . Philosophical Magazine, 2012, 92, 3006-3014.	0.7	5

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217	Frequency dependence of the spin glass freezing temperatures in icosahedral MgZn (rare earth) quasicrystals. Philosophical Magazine, 2012, 92, 4492-4497.	0.7	5
218	Dual nature of electron spin resonance in $\text{YbCo}_2\text{Zn}_{20}$ intermetallic compound. JETP Letters, 2014, 99, 153-157.	0.4	5
219	Combined effects of Sr substitution and pressure on the ground states in CaFe_2As_2 . Physical Review B, 2016, 94, .	1.1	5
220	Pressure-tuned superconductivity and normal-state behavior in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2018, 97, .	1.1	5
221	Collapse of the Kondo state and ferromagnetic quantum phase transition in $\text{YbFe}_2\text{Zn}_{20}$. Physical Review B, 2018, 98, .	1.1	5
222	Doping evolution of spin fluctuations and their peculiar suppression at low temperatures in $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2018, 97, .	1.1	5
223	Vibrational anomalies in FeAs_2 . JETP Letters, 2018, 107, 143-148.	1.1	5
224	Giant microwave absorption in fine powders of superconductors. Scientific Reports, 2018, 8, 11480.	1.6	5
225	Physical properties of $\text{Lu}_1-x\text{Y}_x\text{Ni}_2\text{B}_2\text{C}$. Philosophical Magazine, 2006, 86, 3021-3041.	0.7	4
226	Electrical resistivity study of CeZn_{11} : Magnetic field and pressure phase diagram up to 5 GPa. Physical Review B, 2013, 88, .	1.1	4
227	LaCrGe_3 studied by NMR. Physical Review B, 2019, .	1.1	4
228	Magnetism and its coexistence with superconductivity in $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2020, 102, .	1.1	4
229	Specific features of thermal and magnetic properties of YbB_{50} at low temperatures. Physical Review Materials, 2018, 2, .	0.9	4
230	Visualizing band selective enhancement of quasiparticle lifetime in a metallic ferromagnet. Nature Communications, 2021, 12, 7169.	5.8	4
231	MAGNETOTRANSPORT AND THE MAGNETIC PHASE DIAGRAM OF SUPERCONDUCTING $\text{ErNi}_2\text{B}_2\text{C}$. International Journal of Modern Physics B, 2002, 16, 3212-3215.	1.0	3
232	On the Structure and Stability of BaAl_4 -Type Ordered Derivatives in the SrAuSn System for the 600 Å°C Section. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 375-382.	0.6	3
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