

Nikolai D Zhigadlo

List of Publications by Year in descending order

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180
papers

5,010
citations

94381

37
h-index

114418

63
g-index

184
all docs

184
docs citations

184
times ranked

4573
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhomogeneity of charge-density-wave order and quenched disorder in a high-Tc superconductor. Nature, 2015, 525, 359-362.	13.7	250
2	Type-1.5 Superconductivity. Physical Review Letters, 2009, 102, 117001.	2.9	230
3	Carbon substitution in MgB ₂ single crystals: Structural and superconducting properties. Physical Review B, 2005, 71, .	1.1	226
4	Direct observation of spin-orbit coupling in iron-based superconductors. Nature Physics, 2016, 12, 311-317.	6.5	170
5	High magnetic-field scales and critical currents in SmFeAs(O,F) crystals. Nature Materials, 2010, 9, 628-633.	13.3	125
6	Single crystals of LnFeAsO _{1-x} F _x (Ln=La, Pr, Nd, Sm, Gd) and Ba _{1-x} Rb _x Fe ₂ As ₂ : Growth, structure and superconducting properties. Physica C: Superconductivity and Its Applications, 2009, 469, 370-380.	0.6	120
7	Single crystals of superconducting SmFeAsO _{1-x} F _y grown at high pressure. Journal of Physics Condensed Matter, 2008, 20, 342202.	0.7	119
8	Al substitution in MgB ₂ crystals: Influence on superconducting and structural properties. Physical Review B, 2005, 71, .	1.1	110
9	Observation of Leggett's Collective Mode in a Multiband MgB ₂ Superconductor. Physical Review Letters, 2007, 99, 227002.	2.9	109
10	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide NiTe ₂ . Chemistry of Materials, 2018, 30, 4823-4830.	3.2	101
11	Evidence of nodeless superconductivity in FeSe: a muon-spin-rotation study of the in-plane magnetic penetration depth. Physical Review B, 2008, 78, .	1.1	100
12	Magnetic penetration depth of single-crystalline SmFeAsO _{1-x} F _x . Physical Review B, 2009, 79, .	1.1	99
13	Snapshots of the retarded interaction of charge carriers with ultrafast fluctuations in cuprates. Nature Physics, 2015, 11, 421-426.	6.5	92
14	Bilayer Lateral Heterostructures of Transition-Metal Dichalcogenides and Their Optoelectronic Response. ACS Nano, 2019, 13, 12372-12384.	7.3	89
15	Distinct Pseudogap and Quasiparticle Relaxation Dynamics in the Superconducting State of Nearly Optimally Doped SmFeAsO _{0.8} F _{0.2} Single Crystals. Physical Review Letters, 2009, 102, 117002.	1.1	85
16	Superconductivity in the geometrically frustrated pyrochlore RbOs ₂ O ₆ . Physical Review B, 2004, 70, .	1.1	75
17	Single crystals of MgB ₂ : Synthesis, substitutions and properties. Physica C: Superconductivity and Its Applications, 2007, 456, 3-13.	0.6	74
18	Huge critical current density and tailored superconducting anisotropy in SmFeAsO _{0.8} F _{0.15} by low-density columnar-defect incorporation. Nature Communications, 2013, 4, 2655.	5.8	70

#	ARTICLE	IF	CITATIONS
19	Crystal growth, structure, and superconducting properties of the FeAsO -pyrochlore KOs_2O_6 . Physical Review B, 2006, 73. High-pressure flux growth, structural, and superconducting properties of FeAsO	1.1	63
20			

#	ARTICLE	IF	CITATIONS
37	Weak anharmonic effects in MgB ₂ : A comparative inelastic x-ray scattering and Raman study. Physical Review B, 2007, 75, .	1.1	41
38	Influence of carbon substitution on the heat transport in single crystalline MgB ₂ . Physical Review B, 2005, 71, .	1.1	37
39	Tuning of competing magnetic and superconducting phase volumes in LaFeAsO by hydrostatic pressure. Physical Review B, 2011, 84, .	1.1	37
40	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. Scientific Reports, 2015, 5, 13788.	1.6	37
41	Structural phase transition and superlattice misfit strain of $R\text{FeAsO}$		

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55	Anisotropic reversible mixed-state properties of superconducting carbon-doped $\text{Mg}(\text{B}_{1-x}\text{C}_x)_2$ single crystals. <i>Physical Review B</i> , 2006, 74, .	1.1	24
56	High-pressure magnetic state of MnP probed by means of muon-spin rotation. <i>Physical Review B</i> , 2016, 93, .	1.1	24
57	High-temperature phase changes in $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ and physical properties. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 387, 347-358.	0.6	23
58	Inelastic x-ray scattering study of collective electron excitations in MgB_2 . <i>Physical Review B</i> , 2005, 71, .	1.1	23
59	Multi-gap superconductivity in MgB_2 : Magneto-Raman spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 456, 75-82.	0.6	23
60	Evidence of spin-density-wave order in $\text{RFeAsO}_{1-x}\text{F}_x$ from measurements of thermoelectric power. <i>Physical Review B</i> , 2009, 79, .	1.1	23
61	Vortex structure in superconducting iron pnictide single crystals. <i>JETP Letters</i> , 2009, 90, 299-302.	0.4	23
62	An infrared spectroscopic study of $\text{Li}_2\text{B}_4\text{O}_7$. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 6551-6561.	0.7	22
63	Superconducting vortex profile from fixed point measurements the "Lazy Fisherman" tunneling microscopy method. <i>Applied Physics Letters</i> , 2005, 86, 212503.	1.5	22
64	Influence of Mg deficiency on crystal structure and superconducting properties in MgB_2 single crystals. <i>Physical Review B</i> , 2010, 81, 104504.	1.1	22
65	Observation of well-ordered metastable vortex lattice phases in superconducting MgB_2 using small-angle neutron scattering. <i>Physical Review Letters</i> , 2012, 108, 167001.	1.1	22
66	Point-contact Andreev-reflection spectroscopy in segregation-free $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$ single crystals up to $x = 0.32$. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 085225.	0.7	21
67	Observation of topological surface states in the high-temperature superconductor MgB_2 . <i>Physical Review B</i> , 2019, 100, .	2.9	21
68	Observation of topological surface states in the high-temperature superconductor MgB_2 . <i>Physical Review B</i> , 2019, 100, .	1.1	21
69	Chiral singlet superconductivity in the weakly correlated metal LaPt_3P . <i>Nature Communications</i> , 2021, 12, 2504.	5.8	21
70	High-Pressure Synthesis and Characterization of a New Series of V-Based Superconductors ($\text{Cu}_{0.5}\text{V}_{0.5}$) $\text{Sr}_2\text{Ca}_{1-x}\text{Cu}_x\text{O}_y$. <i>Chemistry of Materials</i> , 1999, 11, 2185-2190.	3.2	20
71	New ferromagnets of $\text{Sr}_8\text{ARe}_3\text{Cu}_4\text{O}_{24}$ (A=Sr, Ca) with an ordered perovskite structure. <i>Journal of Solid State Chemistry</i> , 2003, 175, 366-371.	1.4	20
72	$\text{Pr}_4\text{Fe}_2\text{As}_2\text{Te}_{1-x}\text{O}_4$: A layered FeAs-based superconductor. <i>Physical Review B</i> , 2013, 87, .	1.1	20

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73	Evolution of superconducting gaps in Th-substituted $\text{Sm}_{1-x}\text{Th}_x\text{FeAsO}$. High-field electronic spin resonance spectroscopy study of CuFeAsO . <i>Physical Review B</i> , 2015, 91, 020407.	0.7	19
74	Growth of whisker-like and bulk single crystals of PrFeAs(O,F) under high pressure. <i>Journal of Crystal Growth</i> , 2013, 382, 75-79.	0.7	19
75	Homologous series of high- T_c superconductors $(\text{Cu,C})\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ ($n=2,5$) and $(\text{Cu,N,C})\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ ($n=3\text{--}6$) synthesized under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 307, 177-188.	0.6	18
76	de Haas-van Alphen effect investigation of the electronic structure of Al-substituted MgB_2 . <i>Physical Review B</i> , 2005, 72, .	1.1	18
77	Thermal conductivity of Al-doped MgB_2 : Impurity scattering and the validity of the Wiedemann-Franz law. <i>Physical Review B</i> , 2006, 74, .	1.1	18
78	Infrared properties of $\text{Mg}_{1-x}\text{Al}_x(\text{B}_{1-y}\text{C}_y)_2$ single crystals in the normal and superconducting state. <i>Physical Review B</i> , 2006, 73, .	1.1	18
79	Rearrangement of the antiferromagnetic ordering at high magnetic fields in SmFeAsO and SmFeAsO . <i>Physical Review B</i> , 2006, 73, .	1.1	18
80	Effect of field-dependent core size on reversible magnetization of high- T_c superconductors. <i>Physical Review B</i> , 2006, 74, .	1.1	17
81	Dual Character of the Electronic Structure of $\text{YBa}_2\text{Cu}_4\text{O}_8$: The Conduction Bands of CuO_2 Planes and CuO Chains. <i>Physical Review Letters</i> , 2007, 98, 157002.	2.9	17
82	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi . <i>Physical Review B</i> , 2019, 99, .	1.1	17
83	Measuring the penetration depth anisotropy in MgB_2 using small-angle neutron scattering. <i>Physical Review B</i> , 2006, 73, .	1.1	16
84	Comparative study of neutron irradiation and carbon doping in MgB_2 single crystals. <i>Physical Review B</i> , 2007, 75, .	1.1	16
85	Two-gap superconductivity and topological surface states in TaOsSi . <i>Physical Review B</i> , 2019, 100, .	1.1	16
86	Local tunneling study of three-dimensional order parameter in the MgB_2 band of Al-doped $\text{Mg}_{1-x}\text{Al}_x\text{B}_{2-y}\text{C}_y$ single crystals. <i>Physical Review B</i> , 2006, 73, .	1.1	15
87	Anomalies in the Fermi Surface and Band Dispersion of Quasi-One-Dimensional CuO Chains in the High-Temperature Superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$. <i>Physical Review Letters</i> , 2010, 105, 267003.	2.9	15
88	Conventional superconductivity and hysteretic Campbell penetration depth in single crystals MgCNi . <i>Physical Review B</i> , 2013, 87, .	1.1	15
89	Spontaneous growth of diamond from MnNi solvent-catalyst using opposed anvil-type high-pressure apparatus. <i>Journal of Crystal Growth</i> , 2014, 395, 1-4.	0.7	15

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91	High pressure crystal growth of the antiperovskite centrosymmetric superconductor SrPt ₃ P. Journal of Crystal Growth, 2016, 455, 94-98.	0.7	15
92	Growth of bulk single-crystal MnP helimagnet and its structural and NMR characterization. Journal of Alloys and Compounds, 2017, 725, 1027-1034.	2.8	15
93	Anomalous asymmetry in the Fermi surface of the high-temperature superconductor YBa ₂ Cu ₄ O ₈ revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2009, 80, .	1.1	14
94	Local lattice distortions vs. structural phase transition in NdFeAsO 1 \hat{a} ' x F x. Physica C: Superconductivity and Its Applications, 2016, 527, 55-62.	0.6	14
95	Nonadiabatic effects in the phonon dispersion of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{Mg} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:math} \text{mathvariant="normal"} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2016, 93, .	1.1	14
96	Point-contact spectroscopy in Co-doped CaFe ₂ As ₂ : nodal superconductivity and topological Fermi surface transition. Superconductor Science and Technology, 2012, 25, 065007.	1.8	13
97	Strain-Induced Enhancement of the Electron Energy Relaxation in Strongly Correlated Superconductors. Physical Review X, 2014, 4, .	2.8	13
98	Disorder effects and current percolation in FeAs-based superconductors. Superconductor Science and Technology, 2010, 23, 054006.	1.8	12
99	Critical current anisotropy in Nd-1111 single crystals and the influence of neutron irradiation. Superconductor Science and Technology, 2014, 27, 044009.	1.8	12
100	Pairing of weakly correlated electrons in the platinum-based centrosymmetric superconductor $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{SrPt} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \text{mathvariant="normal"} \rangle \text{P} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review B, 2015, 91, .	1.1	12
101	Crystal structure and magnetic properties of some Mn ₂ Sb-based alloys. Crystal Research and Technology, 1990, 25, 165-169.	0.6	11
102	High-pressure synthesis and superconductivity of Ca ₂ \hat{a} ' ^x NaxCuO ₂ Cl ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 372-373.	0.6	11
103	Quantum oscillations of the superconductor LaRu ₂ P ₂ : Comparable mass enhancement \hat{I} \hat{a} ' ¹ in Ru and Fe phosphides. Physical Review B, 2011, 84, .	1.1	11
104	Persistence of Metastable Vortex Lattice Domains in MgB ₂ in the Presence of Vortex Motion. Physical Review Letters, 2013, 111, 107002.	2.9	11
105	Doping influence on Sm ₁ \hat{a} ' x Th x OFeAs superconducting properties: Observation of the effect of intrinsic multiple Andreev reflections and determination of the superconducting parameters. JETP Letters, 2014, 99, 136-145.	0.4	11
106	Magnetic states of MnP: muon-spin rotation studies. Journal of Physics Condensed Matter, 2017, 29, 164003.	0.7	11
107	Structural instability of Bi _{2.2} Sr ₁₈ CaCu ₂ O _{8+x} single crystal: An X-ray diffraction study in the temperature range 5-273 K. Phase Transitions, 1993, 43, 167-171.	0.6	10
108	Normal state bottleneck and nematic fluctuations from femtosecond quasiparticle relaxation dynamics in Sm(Fe,Co)AsO. Physical Review B, 2013, 87, .	1.1	10

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109	Quantitative imaging of flux vortices in the type-II superconductor MgB ₂ using cryo-Lorentz transmission electron microscopy. Physical Review B, 2013, 88, .	1.1	10
110	Superconducting order parameter and bosonic mode in hydrogen-substituted NdFeAsO _H revealed by multiple-Andreev-reflection spectroscopy. Physical Review B, 2019, 100, .	1.1	10
111	Point-Contact Andreev-Reflection Spectroscopy in Fe-Based Superconductors: Multigap Superconductivity and Strong Electron-Boson Interaction. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1297-1301.	0.8	9
112	Magnetic structure of individual flux vortices in superconducting MgB ₂ derived using transmission electron microscopy. Physical Review B, 2013, 87, .	1.1	9
113	Slow magnetic fluctuations and superconductivity in fluorine-doped NdFeAsO. Physical Review B, 2015, 91, .	1.1	9
114	Probing two- and three-dimensional electrons in MgB ₂ soft x-ray angle-resolved photoemission. Physical Review B, 2015, 91, .	1.1	9
115	Change of the charge modulation during superconducting transition in SmFeAsO _{0.91} F _{0.09} seen by 57 Fe Mössbauer spectroscopy. Journal of Alloys and Compounds, 2016, 658, 520-524.	2.8	9
116	High-pressure growth and characterization of bulk MnAs single crystals. Journal of Crystal Growth, 2017, 480, 148-153.	0.7	9
117	Unusual behaviour of lithium tetraborate Li ₂ B ₄ O ₇ at low temperatures: An X-ray diffraction study. Physica Status Solidi A, 1995, 152, 329-339.	1.7	8
118	In-plane magnetic penetration depth λ_{ab} of Ca ₂ Na _x Fe ₄ As ₂ Te ₂ . Physical Review B, 2007, 76, .	1.1	8
119	Analyses of lithium-doped and pure magnesium diboride using ultraviolet nano- and femtosecond laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 193-195.	1.6	8
120	Crystal growth, characterization, and point-contact Andreev-reflection spectroscopy of the noncentrosymmetric superconductor Mo ₃ C. Physical Review B, 2018, 97, .	1.1	8
121	Crystal growth, characterization, and point-contact Andreev-reflection spectroscopy of the noncentrosymmetric superconductor Mo ₃ C. Physical Review B, 2018, 97, .	1.1	8
122	X-ray diffraction study of the incommensurate structure in Bi _{2.2} Sr _{1.8} CaCu ₂ O _{8+x} single crystals. Journal of Physics Condensed Matter, 1994, 6, 8969-8975.	0.7	7
123	Light element analysis in oxycarbonate superconductors using EELS. Journal of Electron Microscopy, 2001, 50, 307-310.	0.9	7
124	Structural and superconducting properties of RbOs ₂ O ₆ single crystals. Physical Review B, 2008, 77, .	1.1	7
125	Raman Investigations of C-, Li- and Mn-Doped MgB ₂ . Journal of Superconductivity and Novel Magnetism, 2009, 22, 169-172.	0.8	7
126	Field-dependent superfluid density in the optimally doped SmFeAsO _{1-x} F _y superconductor. Europhysics Letters, 2010, 91, 47005.	0.7	7

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127	Critical Current Oscillations in the Intrinsic Hybrid Vortex State of SmFeAs(O,F). Physical Review Letters, 2014, 113, 186402.	2.9	7
128	High-energy electronic interaction in the d - d band of high-temperature iron-based superconductors. Physical Review B, 2017, 96, .	1.1	4
129	Intrinsic Charge Dynamics in High- T_c AFeAs(O,F) Superconductors. Physical Review Letters, 2018, 120, 087001.	2.9	7
130	Spontaneous emission of color centers at 4eV in hexagonal boron nitride under hydrostatic pressure. Superlattices and Microstructures, 2019, 131, 1-7.	1.4	7
131	Structural transition kinetics and activated behavior in the superconducting vortex lattice. Physical Review B, 2019, 99, .	1.1	7
132	Photoinduced Quasiparticle Relaxation Dynamics in Near-optimally Doped SmFeAsO _{0.8} F _{0.2} Single Crystals. Journal of Superconductivity and Novel Magnetism, 2009, 22, 575-578.	0.8	6
133	Possible Multigap Superconductivity in SmFeAsO _{0.8} F _{0.2} : A Point-contact Andreev-reflection Spectroscopy Study. Journal of Superconductivity and Novel Magnetism, 2009, 22, 543-547.	0.8	6
134	Multiband superconductivity in LaFeAsO _{0.9} F _{0.1} single crystals probed by high-field vortex torque magnetometry. Physical Review B, 2011, 83, .	1.1	6
135	Vacancies, disorder-induced smearing of the electronic structure, and its implications for the superconductivity of anti-perovskite MgCo _{0.93} Ni _{2.85} . Scientific Reports, 2017, 7, 10148.	1.6	6
136	Exploring Multi-Component Superconducting Compounds by a High-Pressure Method and Ceramic Combinatorial Chemistry. Journal of Superconductivity and Novel Magnetism, 2017, 30, 79-84.	0.8	6
137	Nonequilibrium structural phase transitions of the vortex lattice in MgB ₂ . Physical Review B, 2019, 99, .	1.1	6
138	Self-Consistent Two-Gap Approach in Studying Multi-Band Superconductivity of NdFeAsO _{0.65} F _{0.35} . Frontiers in Physics, 2020, 8, .	1.0	6
139	Diamagnetism and some peculiarities of interatomic interactions in Cu ₂ Sb. Crystal Research and Technology, 1988, 23, 945-948.	0.6	5
140	Phonon softening and MIR absorption in superconducting. Superconductor Science and Technology, 1997, 10, 209-212.	1.8	5
141	High-pressure synthesis and properties of a new oxycarbonitrate superconductors in the Sr-Ca-Cu-N-C-O system. Superconductor Science and Technology, 2000, 13, 1246-1251.	1.8	5
142	Effect of Heavy Al Doping on MgB ₂ : A Point-Contact Study of Crystals and Polycrystals. Journal of Superconductivity and Novel Magnetism, 2007, 20, 555-558.	0.8	5
143	Evidence of a multiple boson emission in Sm _{1-x} Th _x OFeAs. Europhysics Letters, 2017, 119, 17007.	0.7	5
144	Nodal-to-nodeless superconducting order parameter in LaFeAs _{1-x} P _x O synthesized under high pressure. Npj Quantum Materials, 2018, 3, .	1.8	5

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145	Superconductivity of underdoped PrFeAs(O,F) investigated via point-contact spectroscopy and nuclear magnetic resonance. Physical Review B, 2020, 102, .	1.1	5
146	Electron-hole counts in Al-substituted MgB_2 from x-ray Raman scattering. Physical Review B, 2008, 78, .	2.4	4
147	Synthesis and bulk properties of oxychloride superconductor $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$. Journal of Physics: Conference Series, 2008, 97, 012121.	0.3	4
148	The Order-Parameter Symmetry and Fermi Surface Topology of 122 Fe-Based Superconductors: A Point-Contact Andreev-Reflection Study. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1331-1337.	0.8	4
149	Non-linear lattice response of Sm oxypnictides to hydrostatic pressure. Journal of Physics and Chemistry of Solids, 2013, 74, 1465-1469.	1.9	4
150	Intrinsic Multiple Andreev Reflections in Layered Th-Doped $\text{Sm}_{1-x}\text{Th}_x\text{OFeAs}$. Journal of Superconductivity and Novel Magnetism, 2016, 29, 673-677.	0.8	4
151	Structural studies of metastable and equilibrium vortex lattice domains in MgB_2 . New Journal of Physics, 2019, 21, 063003.	1.2	4
152	Title is missing!. Superconductor Science and Technology, 2000, 13, 1424-1427.	1.8	3
153	Effect of C and Li doping on the rf magnetic susceptibility in MgB_2 single crystals. Physical Review B, 2008, 78, .	1.1	3
154	Vortex lock-in transition and evidence for transitions among commensurate kinked vortex configurations in single-layered Fe arsenides. Physical Review B, 2013, 87, .	1.1	3
155	Influence of heat treatment conditions on the phase composition and superconducting properties of $\text{Bi}_{1.6}\text{Pb}_{0.4}\text{Sr}_{1.98}\text{K}_{0.02}\text{Ca}_2\text{Cu}_3\text{F}_{0.8}\text{O}_y$ ceramic. Technical Physics Letters, 1997, 23, 548-549.	0.2	2
156	Influence of potassium and fluorine on the formation and properties of the high-temperature 2223 phase in a (Bi, Pb)-Sr-Ca-Cu-O system. Technical Physics Letters, 1998, 24, 374-376.	0.2	2
157	Crystal-edge scanning tunnelling spectroscopy on aluminium-doped magnesium diboride. Superconductor Science and Technology, 2006, 19, 695-698.	1.8	2
158	Manifestations of fine features of the density of states in the transport properties of KOs_2O_6 . Physical Review B, 2007, 75, .	1.1	2
159	Point-Contact Spectroscopy in Mn-Doped MgB_2 Single Crystals: Effects of Magnetic Impurities in a Two-Band Superconductor. Journal of Superconductivity and Novel Magnetism, 2007, 20, 523-526.	0.8	2
160	Probing superconductivity in MgB_2 confined to magnetic field tuned cylinders by means of critical fluctuations. Journal of Physics Condensed Matter, 2008, 20, 135208.	0.7	2
161	Influence of the carbon substitution on the critical current density and AC losses in MgB_2 single crystals. European Physical Journal B, 2010, 78, 359-365.	0.6	2
162	Influence of carbon on intraband scattering in $\text{Mg}(\text{B}_{1-x}\text{C}_x)_2$. Europhysics Letters, 2010, 90, 27009.	0.7	2

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163	Magnetic field penetration in MgB ₂ single crystals: Pinning and Meissner holes. Low Temperature Physics, 2014, 40, 621-625.	0.2	2
164	The role of spin-orbit coupling in the electronic structure of iron-based superconductors. Physica Status Solidi (B): Basic Research, 2017, 254, 1600550.	0.7	2
165	Crystal growth and characterization of the antiperovskite superconductor MgC ₁ -Ni ₃ . Journal of Crystal Growth, 2019, 520, 56-61.	0.7	2
166	Field angle dependent vortex lattice phase diagram in MgB_2 . Physical Review B, 2021, 103, .	0.1	0
167	Spin-glass-like behavior in SmFeAsO _{0.8} F _{0.2} . Mendeleev Communications, 2022, 32, 305-307.	0.6	2
168	HRTEM study of new series of oxycarbonitrate superconductors (Cu,C,N)Sr ₂ Ca _{n-1} Cu _n O _y (n = 1-6). Journal of Electron Microscopy, 2001, 50, 457-463.	0.9	1
169	Specific features of the growth of barium chromate crystals from different precursors. Crystallography Reports, 2005, 50, 1064-1067.	0.1	1
170	Doping Dependent Quasiparticle Relaxation Dynamics in SmFeAsO _{1-x} F _x Single Crystals: Comparison of Spin-Density Wave and Superconducting States. Journal of Superconductivity and Novel Magnetism, 2011, 24, 489-493.	0.8	1
171	Lattice Effects Across the Phase Diagram of Pnictides. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1325-1330.	0.8	1
172	Critical fields and fluctuations determined from specific heat and magnetoresistance in the same nanogram SmFeAs(O,F) single crystal. Physical Review B, 2017, 96, .	1.1	1
173	Observation of high-T _c superconductivity in inhomogeneous combinatorial ceramics. Solid State Sciences, 2019, 88, 6-12.	1.5	1
174	New V-based superconductors (Cu,V)Sr ₂ Ca _{n-1} Cu _n O _y (n=3-7) synthesized under high pressure. , 1999, , 375-378.		1
175	Multiple-Band Andreev Transport in Optimally Doped Superconducting Oxypnictides. JETP Letters, 2020, 112, 491-497.	0.4	1
176	Above T _c phonon renormalization in Bi _{1.7} Pb _{0.3} Sr ₂ Ca ₂ Cu ₃ O _x : an infrared spectroscopic study. European Physical Journal D, 1996, 46, 1243-1244.	0.4	0
177	LOCAL ELECTRONIC STRUCTURE OF DOPING ATOMS IN MA ₂ Ca _{n-1} Cu _n O _{2n+3} HIGH-T _c SUPERCONDUCTORS WITH [M-12(n-1)n] TYPE STRUCTURES. Surface Review and Letters, 2002, 09, 1345-1349.	0.5	0
178	Publisher's Note: Magnetic structure of individual flux vortices in superconducting MgB ₂ derived using transmission electron microscopy [Phys. Rev. B87, 144515 (2013)]. Physical Review B, 2013, 87, .	1.1	0
179	Pressure induced lattice anomalies in pnictides. Journal of Physics and Chemistry of Solids, 2015, 84, 28-33.	1.9	0
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