

Ruslan Prozorov

List of Publications by Year in descending order

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327
papers

13,301
citations

15466

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336
docs citations

336
times ranked

9188
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonochemical Preparation and Size-Dependent Properties of Nanostructured CoFe ₂ O ₄ Particles. Chemistry of Materials, 1998, 10, 3445-3450.	3.2	361
2	Magnetic penetration depth in unconventional superconductors. Superconductor Science and Technology, 2006, 19, R41-R67.	1.8	330
3	Plastic Vortex Creep in YBa ₂ Cu ₃ O _{7-δ} Crystals. Physical Review Letters, 1996, 77, 1596-1599.	2.9	296
4	Sonochemical Preparation of Nanosized Amorphous NiFe ₂ O ₄ Particles. Journal of Physical Chemistry B, 1997, 101, 6409-6414.	1.2	279
5	A Sharp Peak of the Zero-Temperature Penetration Depth at Optimal Composition in BaFe ₂ (As _{1-x} P _x) ₂ . Science, 2012, 336, 1554-1557.	6.0	273
6	Uniaxial-strain mechanical detwinning of CaFe ₂ As ₂ . Physical Review B, 2010, 81, 014507.	1.1	255
7	Vortex phase diagram of BaFe ₂ (As _{1-x} P _x) ₂ . Physical Review B, 2008, 78, 014507.	1.1	237
8	High Velocity Interparticle Collisions Driven by Ultrasound. Journal of the American Chemical Society, 2004, 126, 13890-13891.	6.6	186
9	Meissner-London state in superconductors of rectangular cross section in a perpendicular magnetic field. Physical Review B, 2000, 62, 115-118.	1.1	169
10	Anisotropy of the iron pnictide superconductor BaFe ₂ (As _{1-x} P _x) ₂ . Physical Review B, 2009, 79, 014507.	1.1	168
11	V ₃ As ₅ : A New Layered Ferromagnetic Semiconductor. Advanced Materials, 2019, 31, e1808074.	11.1	157
12	Universal Heat Conduction in the Iron Arsenide Superconductor KFeAs ₂ . Evidence of a d-Wave State. Physical Review Letters, 2012, 109, 087001.	2.9	155
13	Protein-Mediated Synthesis of Uniform Superparamagnetic Magnetite Nanocrystals. Advanced Functional Materials, 2007, 17, 951-957.	7.8	154
14	London penetration depth in iron-based superconductors. Reports on Progress in Physics, 2011, 74, 124505.	8.1	152
15	Sonochemical preparation of amorphous nickel. Journal of Non-Crystalline Solids, 1996, 201, 159-162.	1.5	151
16	Unconventional London Penetration Depth in Single-Crystal Fe _{1-x} Co _x . Physical Review Letters, 2009, 102, 127004.	1.5	150
17	Coating Carboxylic Acids on Amorphous Iron Nanoparticles. Langmuir, 1999, 15, 1703-1708.	1.6	149
18	Synthesis of pure amorphous Fe ₂ O ₃ . Journal of Materials Research, 1997, 12, 402-406.	1.2	146

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19	Disorder-Induced Transition to Entangled Vortex Solid in Nd-Ce-Cu-O Crystal. Physical Review Letters, 1997, 79, 2542-2545.	2.9	144
20	Nodes in the gap structure of the iron arsenide superconductor $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$ Physical Review B, 2010, 82, .	1.1	143
21	Evidence for Nodal Quasiparticles in Electron-Doped Cuprates from Penetration Depth Measurements. Physical Review Letters, 2000, 85, 3700-3703.	2.9	142
22	A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.	1.1	138
23	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor $\text{BaFe}_{1-x}\text{Co}_x\text{As}_2$ Physical Review Letters, 2010, 104, 067002.	2.9	137
24	Low-Temperature Penetration Depth of $\text{Fe}(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]$ and $\text{Fe}(\text{ET})_2\text{Cu}(\text{NCS})_2$. Physical Review Letters, 1999, 83, 4172-4175.	2.9	135
25	Direct imaging of the structural domains in the iron pnictides $\text{AFe}_{1-x}\text{Co}_x\text{As}_2$		

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37	Quasiparticle heat transport in single-crystalline $\text{BaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2009, 80, .	1.1	104
38	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. Nature Communications, 2013, 4, 1914.	5.8	100
39	Local Magnetic Relaxation in High-Temperature Superconductors. Physical Review Letters, 1995, 75, 2404-2407.	2.9	99
40	Magnetic irreversibility and relaxation in assembly of ferromagnetic nanoparticles. Physical Review B, 1999, 59, 6956-6965.	1.1	95
41	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	2.9	93
42	Nonexponential London Penetration Depth of FeAs-Based Superconducting $\text{FeAsO}_{0.9}\text{F}_{0.1}$. Physical Review B, 2009, 79, .	1.1	92
43	London penetration depth in single crystals of $\text{BaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2009, 79, .	1.1	92
44	Self-Assembly and Biphasic Iron-Binding Characteristics of Mms6, A Bacterial Protein That Promotes the Formation of Superparamagnetic Magnetite Nanoparticles of Uniform Size and Shape. Biomacromolecules, 2012, 13, 98-105.	2.6	90
45	Magnetic nanoparticles as efficient bulk pinning centers in type-II superconductors. Physical Review B, 2005, 71, .	1.1	89
46	Resistivity anisotropy of $\text{BaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2009, 79, .	1.1	87
47	Measurements of the absolute value of the penetration depth in high-Tc superconductors using a low-Tc superconductive coating. Applied Physics Letters, 2000, 77, 4202-4204.	1.5	86
48	Cobalt Ferrite Nanocrystals: Out-Performing Magnetotactic Bacteria. ACS Nano, 2007, 1, 228-233.	7.3	86
49	Magnetic irreversibility and the Verwey transition in nanocrystalline bacterial magnetite. Physical Review B, 2007, 76, .	1.1	84
50	Nodeless two-gap superconducting state in single crystals of the stoichiometric iron pnictide LiFeAs . Physical Review B, 2011, 83, .	1.1	82
51	Tunability of Superconducting Metamaterials. IEEE Transactions on Applied Superconductivity, 2007, 17, 918-921.	1.1	81
52	Using controlled disorder to probe the interplay between charge order and superconductivity in NbSe_2 . Nature Communications, 2018, 9, 2796.	5.8	81
53	Doping evolution of the absolute value of the London penetration depth and superfluid density in single crystals of $\text{BaFeAsO}_{1-x}\text{F}_x$.		

#	ARTICLE	IF	CITATIONS
55	Nonexponential London penetration depth of external magnetic fields in superconducting $Ba_{1-x}Bi_x$. Physical Review B, 2009, 80, .	1.1	77
56	Porous Capsules $\{M\}_5\text{Fe}_{12}\text{O}_{30}$ (M=Mo ^{VI} , W ^{VI}): Sphere Surface Supramolecular Chemistry with 20 Ammonium Ions, Related Solution Properties, and Tuning of Magnetic Exchange Interactions. Angewandte Chemie - International Edition, 2010, 49, 514-519.	7.2	77
57	Equilibrium Topology of the Intermediate State in Type-I Superconductors of Different Shapes. Physical Review Letters, 2007, 98, 257001.	2.9	74
58	Orbital upper critical field and its anisotropy of clean one- and two-band superconductors. Reports on Progress in Physics, 2012, 75, 114502.	8.1	72
59	Controlling the particle size of amorphous iron nanoparticles. Journal of Materials Research, 1995, 10, 2952-2957.	1.2	71
60	Crystal Growth and Magnetic Properties of Lanthanide-Containing Osmium Double Perovskites, $\text{Ln}_2\text{NaOsO}_6$ (Ln = La, Pr, Nd). Inorganic Chemistry, 2005, 44, 2639-2646.	1.9	69
61	Preparation of amorphous Fe_2O_3 powder with different particle sizes. Journal of Materials Chemistry, 1997, 7, 2447-2451.	6.7	67
62	London penetration depth and superfluid density of single-crystalline $Ba_{1-x}Bi_x$.		

#	ARTICLE	IF	CITATIONS
73	Anisotropic London penetration depth and superfluid density in single crystals of iron-based pnictide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 582-589.	0.6	57
74	Chromium chains as polydentate fluoride ligands for lanthanides. <i>Chemical Communications</i> , 2011, 47, 6251.	2.2	57
75	Topological hysteresis in the intermediate state of type-I superconductors. <i>Physical Review B</i> , 2005, 72, .	1.1	56
76	Coating of Amorphous Iron Nanoparticles by Long-Chain Alcohols. <i>Langmuir</i> , 1998, 14, 1512-1515.	1.6	55
77	Field-dependent transport critical current in single crystals of Ba(Fe _{1-x} Ti _x) ₂ As ₂ superconductor. <i>Physical Review B</i> , 2011, 83, 054102.	1.8	54
78	Pressure-induced Fermi surface reconstruction in the iron arsenide superconductor Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2011, 83, 054102.	1.1	54
79	Energy gap evolution across the superconductivity dome in single crystals of (Ba _{1-x} Fe _x) ₂ As ₂ . <i>Physical Review B</i> , 2011, 83, 054102.	4.7	94
80	Evidence for unconventional superconductivity in the nonoxide perovskite MgCNi ₃ from penetration depth measurements. <i>Physical Review B</i> , 2003, 68, .	1.1	53
81	Ultrasound Driven Deposition and Reactivity of Nanophasic Amorphous Iron Clusters with Surface Silanols of Submicrospherical Silica. <i>Chemistry of Materials</i> , 1997, 9, 2996-3004.	3.2	52
82	Effect of Electron Irradiation on Superconductivity in Single Crystals of Ba _{1-x} Fe _x As ₂ . <i>Physical Review B</i> , 2011, 83, 054102.	2.8	52
83	Anisotropic upper critical fields in (Ba _{1-x} Fe _x) ₂ As ₂ . <i>Physical Review B</i> , 2011, 83, 054102.	1.1	52
84	Evidence from anisotropic penetration depth for a three-dimensional nodal superconducting gap in single-crystalline Ba _{1-x} Fe _x As ₂ . <i>Physical Review B</i> , 2011, 83, 054102.		

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91	Nonmonotonic pressure evolution of the upper critical field in superconducting FeSe. Physical Review B, 2016, 93, .	1.1	46
92	Magneto-optical study of $Ba_{1-x}Fe_xAs_2$. Physical Review B, 2010, 81, .	4.5	45
93	Sonochemical synthesis of iron nitride nanoparticles. Journal of Materials Chemistry, 1997, 7, 2453-2456.	6.7	44
94	Probing Fractal Magnetic Domains on Multiple Length Scales in $Bd_{1-x}Fe_x$. Physical Review Letters, 2009, 102, 047204.	2.9	44
95	Upper critical field of KFe_2As_2 pressure: A test for the change in the superconducting gap structure. Physical Review B, 2014, 89, .	4.5	43
96	Nodal Order Parameter in Electron-Doped $Pr_{2-x}Ce_xCuO_4$ Superconducting Films. Physical Review Letters, 2004, 92, 157005.	2.9	42
97	Disorder-Driven Transition from s - to d -Wave Superconducting Order Parameter in Proton Irradiated $BaFe_2As_2$. Physical Review Letters, 2018, 121, 107001.	2.9	42
98	Uniaxial strain control of spin-polarization in multicomponent nematic order of $BaFe_2As_2$. Nature Communications, 2018, 9, 1058.	5.8	41
99	Multiple nearest-neighbor exchange model for the frustrated magnetic molecules $\{Mo_72Fe_{30}\}$ and $\{Mo_72Cr_{30}\}$. Physical Review B, 2008, 77, .	1.1	39
100	Interlayer Coherence and Superconducting Condensate in the c -Axis Response of Optimally Doped $Ba(Fe_{1-x}Co_x)_2As_2$ High-Tc Superconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	2.9	39
101	Nodeless superconductivity in the type-II Dirac semimetal $PdTe_{1-x}S_x$: London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	1.1	38
102	Evidence for Surface Andreev Bound States in Cuprate Superconductors from Penetration Depth Measurements. Physical Review Letters, 2001, 86, 1074-1077.	2.9	37
103	Fluctuations in single-crystal $YBa_2Cu_3O_{6.5}$: Evidence for crossover from two-dimensional to three-dimensional behavior. Physical Review B, 2001, 63, .	1.1	37
104	Polarized neutron imaging and three-dimensional calculation of magnetic flux trapping in bulk of superconductors. Physical Review B, 2012, 85, .	1.1	37
105	Sonochemistry under an Applied Magnetic Field: Determining the Shape of a Magnetic Particle. Journal of Physical Chemistry B, 1998, 102, 10165-10168.	1.2	36
106	Doping ϵ -Dependent irreversible magnetic properties of $Ba(Fe_{1-x}Co_x)_2As_2$ single crystals. Physica C: Superconductivity and Its Applications, 2009, 469, 667-673.	0.6	36
107	Surfactant-Assisted Self-Organization of Cobalt Nanoparticles in a Magnetic Fluid. Advanced Materials, 1998, 10, 590-593.	11.1	35
108	Isotropic three-dimensional gap in the iron arsenide superconductor $LiFeAs$ from directional heat transport measurements. Physical Review B, 2011, 84, .	1.1	35

ARTICLE dependent superconducting gap anisotropy in the two-dimensional pnictide CaFe_2P_2 IF CITATIONS

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#	ARTICLE	IF	CITATIONS
127	Using electron irradiation to probe iron-based superconductors. Superconductor Science and Technology, 2018, 31, 064002.	1.8	31
128	Sonochemical modification of the superconducting properties of MgB ₂ . Applied Physics Letters, 2003, 83, 2019-2021.	1.5	30
129	Campbell penetration depth of a superconductor in the critical state. Physical Review B, 2003, 67, .	1.1	30
130	Evidence for conventional superconducting behavior in noncentrosymmetric Mo ₃ Al upper critical field of high-quality single crystals of KFe ₂ As. Physical Review B, 2011, 84, .	1.1	30
131	Upper critical field of high-quality single crystals of KFe ₂ As. Physical Review B, 2011, 84, .	1.1	30
132	The preparation of metal-polymer composite materials using ultrasound radiation: Part II. Differences in physical properties of cobalt-polymer and iron-polymer composites. Journal of Materials Research, 1999, 14, 3913-3920.	1.2	29
133	Manganese incorporation into the magnetosome magnetite: magnetic signature of doping. European Journal of Mineralogy, 2014, 26, 457-471.	0.4	29
134	Environmental stability and anisotropic resistivity of Co-doped Na _{1-x} Fe _x Co _{1-x} Fe _x superconductors. Physical Review B, 2012, 86, .	1.1	28
135	Collective flux creep: Beyond the logarithmic solution. Physical Review B, 1998, 58, 15067-15077.	1.1	27
136	Structural, magnetic, and magnetoelastic properties of magnesium substituted cobalt ferrite. Journal of Applied Physics, 2013, 113, .	1.1	27
137	Spin glass and glass-like lattice behaviour in HoB ₆ at low temperatures. Philosophical Magazine, 2013, 93, 1110-1123.	0.7	27
138	Measuring the Lower Critical Field of Superconductors Using Nitrogen-Vacancy Centers in Diamond Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	27
139	The preparation of metal-polymer composite materials using ultrasound radiation. Journal of Materials Research, 1998, 13, 211-216.	1.2	26
140	Energy gap and proximity effect in MgB ₂ superconducting wires. Physical Review B, 2001, 64, .	1.1	26
141	Spatially-resolved study of the Meissner effect in superconductors using NV-centers-in-diamond optical magnetometry. New Journal of Physics, 2018, 20, 043010.	1.2	26
142	Tuning the Intrinsic Anisotropy with Disorder in the Ca _{1-x} K _x Fe ₂ As ₂ Superconductor. Physical Review Applied, 2020, 13, .	1.5	26
143	Magnetic properties of YNi ₂ B ₂ C superconductor. Physica C: Superconductivity and Its Applications, 1994, 233, 367-372.	0.6	25
144	Electronic properties of iron arsenic high temperature superconductors revealed by angle resolved photoemission spectroscopy (ARPES). Physica C: Superconductivity and Its Applications, 2009, 469, 491-497.	0.6	25

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145	Transport and thermodynamic properties of $(\text{Ca}_{1-x}\text{Tl}_x)\text{FeAs}_2$. Physical Review B, 2006, 74, .	1.1	25
146	Electron irradiation effects on superconductivity in PdTe_2 : An application of a generalized Anderson theorem. Physical Review Research, 2020, 2, .	1.1	25
147	Collapse of the critical state in superconducting niobium. Physical Review B, 2006, 74, .	1.3	25
148	Advances in Characterization of Non-Rare-Earth Permanent Magnets: Exploring Commercial Alnico Grades 5 and 9. Jom, 2013, 65, 862-869.	1.1	24
149	London penetration depth and pair breaking. Physical Review B, 2013, 88, .	0.9	24
150	Competition between superconductivity and magnetic/nematic order as a source of anisotropic superconducting gap in underdoped $\text{Ba}_{1-x}\text{K}_x\text{FeAs}_2$. Physical Review B, 2016, 94, .	1.1	23
151	Anisotropic type-I superconductivity and anomalous superfluid density in OsB_2 . Physical Review B, 2019, 100, .	1.1	23
152	Analysis of the London penetration depth in Ni-doped $\text{CaKFe}_4\text{As}_8$. Physical Review B, 2019, 100, .	1.1	23
153	Angular dependence of the magnetic properties of thin $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films irradiated with Pb and Xe ions. Physica C: Superconductivity and Its Applications, 1994, 234, 311-317.	0.6	22
154	Tunneling and enhanced magnetoresistance in $\text{Nd}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ thin films with microcracks. Applied Physics Letters, 1998, 73, 402-404.	1.5	22
155	Structure, bonding, and magnetic response in two complex borides: $\text{Zr}_2\text{Fe}_3\text{Ru}_5\text{B}_2$ and $\text{Zr}_2\text{Fe}_3(\text{Ru}_{1-x}\text{Rh}_x)_5\text{B}_2$. Journal of Solid State Chemistry, 2010, 183, 2917-2924.	1.4	22
156	Anisotropic magnetism, resistivity, London penetration depth and magneto-optical imaging of superconducting $\text{K}_{0.80}\text{Fe}_{1.76}\text{Se}_2$ single crystals. Superconductor Interplane resistivity of underdoped single crystals $(\text{Ba}_{1-x}\text{Tl}_x)\text{FeAs}_2$. Physical Review B, 2006, 74, .	1.8	22
157	Does the Self-Assembled Coating of Magnetic Nanoparticles Cover Individual Particles or Agglomerates?. Advanced Materials, 1998, 10, 1529-1532.	1.1	22
158	Organized Silica Microspheres Carrying Ferromagnetic Cobalt Nanoparticles as a Basis for Tip Arrays in Magnetic Force Microscopy. Journal of Physical Chemistry B, 1998, 102, 10234-10242.	1.1	21
159	Anisotropy of the coherence length from critical currents in the stoichiometric superconductor LiFeAs . Physical Review B, 2011, 84, .	1.1	21
160	Systematics of the temperature-dependent interplane resistivity in $\text{Ba}(\text{Fe}_{1-x}\text{Tl}_x)\text{As}_2$. Physical Review B, 2011, 84, .	1.1	21
161	Systematics of the temperature-dependent interplane resistivity in $\text{Ba}(\text{Fe}_{1-x}\text{Tl}_x)\text{As}_2$. Physical Review B, 2011, 84, .	1.1	21
162	Systematics of the temperature-dependent interplane resistivity in $\text{Ba}(\text{Fe}_{1-x}\text{Tl}_x)\text{As}_2$. Physical Review B, 2011, 84, .	1.1	21

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163	Angular-dependent upper critical field of overdoped Ba(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2014, 90, .	1.1 21
164	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	1.1 21
165	Preparation and magnetic properties of nanosized amorphous ternary Fe-Co alloy powders. Journal of Materials Research, 2000, 15, 332-337.	1.2 20
166	Anisotropic-wave superconductivity in CaAlSi single crystals from penetration depth measurements. Physical Review B, 2006, 73, .	1.1 20
167	Evolution of London penetration depth with scattering in single crystals of K _{1-x} Na _x FeAs ₂ . Physical Review B, 2014, 89, .	1.1 20
168	Origin of the irreversibility line in thin YBa ₂ Cu ₃ O _{7-δ} films with and without columnar defects. Physical Review B, 1996, 54, 15530-15536.	1.1 19
169	Campbell Response in Type-II Superconductors under Strong Pinning Conditions. Physical Review Letters, 2015, 115, 207001.	2.9 19
171	Crystal growth and annealing study of fragile, non-bulk superconductivity in YFe ₂ Ge ₂ . Philosophical Magazine, 2015, 95, 804-818.	0.7 19
172	Expansion of the tetragonal magnetic phase with pressure in the iron arsenide superconductor Ba _{1-x} K _x Fe ₂ As ₂ . Physical Review B, 2016, 93, .	1.1 19
173	Non-Fermi-liquid types of behavior associated with a magnetic quantum critical point in Sr _{1-x} Co _x As ₂ . Physical Review B, 2019, 100, .	1.1 18
174	Current-driven transformations of the intermediate-state patterns in type-I superconductors. Physical Review B, 2008, 78, .	1.1 18
175	Doping-dependent anisotropic superconducting gap in Na _{1-x} Fe _x As ₂ . Physical Review B, 2014, 89, .	1.1 18

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181	Effect of field-dependent core size on reversible magnetization of high- T_c superconductors. Physical Review B, 2006, 74, .	1.1	17
182	Anomalous Meissner effect in pnictide superconductors. Physical Review B, 2010, 82, .	1.1	17
183	Precision global measurements of London penetration depth in FeTe _{0.58} Se _{0.42} . Physical Review B, 2011, 84, .	1.1	17
184	Coexistence of superconductivity and magnetism in $\text{CaKFe}_4\text{As}_2$. Physical Review B, 2018, 98, .	1.1	17
185	Contactless measurements of Shubnikov-de Haas oscillations in the magnetically ordered state of CeAgSb ₂ and SmAgSb ₂ single crystals. Physical Review B, 2007, 75, .	1.1	16
186	Vortex creep and critical current densities in superconducting (Ba,K)Fe ₂ As ₂ single crystals. Physical Review B, 2012, 86, .	1.1	16
187	Orbital upper critical field of type-II superconductors with pair breaking. Physical Review B, 2013, 88, .	1.1	16
188	Comparative study of the effects of electron irradiation and natural disorder in single crystals of SrFe_2As_2 . Physical Review B, 2014, 90, .	1.1	16
189	Robust s -wave pairing in $\text{CaKFe}_4\text{As}_2$. Physical Review B, 2018, 97, .	1.1	16
190	Electrodynamic response of $\text{Ba}(\text{Fe}_{1-x}\text{Rhx})_2\text{As}_2$ across the s_{\pm} to s_{++} order parameter transition. European Physical Journal: Special Topics, 2019, 228, 719-723.	1.2	16
191	IGBT operation at cryogenic temperatures: non-punch-through and punch-through comparison. , 0, , .		15
192	Radio-frequency spectroscopy of the low-energy spectrum of the magnetic molecule Cr_2S_7 . Physical Review B, 2009, 80, .	1.1	15
193	Covalently substituted SrFe_2As_2 . Physical Review B, 2018, 97, .		

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199	Effective collective barrier for magnetic relaxation in frozen ferrofluids. Journal of Magnetism and Magnetic Materials, 2004, 281, 312-317.	1.0	14
200	Coexistence of ferromagnetism and superconductivity in ErRh ₄ B ₄ single crystals probed by dynamic magnetic susceptibility. Physical Review B, 2008, 77, .	1.1	14
201	Resolution of the discrepancy between the variation of the physical properties of Ce _{1-x} Yb _x CoIn ₅ single crystals and thin films with Yb composition. Philosophical Magazine, 2014, 94, 4219-4231.	0.7	14
202	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped Ba _{1-x} Bi _x FeAs ₂ . Physical Review B, 2016, 94, .		
203	High-field magnetic properties of the magnetic molecule {Cr ₁₀ Cu ₂ }. Physical Review B, 2009, 79, .	1.1	13
204	Superfluid density in gapless superconductor CeCoIn ₅ . Journal of Physics Condensed Matter, 2009, 21, 102204.	0.7	13
205	Effect of heavy-ion irradiation on London penetration depth in overdoped Ba(Fe _{1-x} Cox) ₂ As ₂ . Physical Review B, 2013, 88, .	1.1	13
206	Interband coupling and nonmagnetic interband scattering in Ba _{1-x} Bi _x FeAs ₂ . Physical Review B, 2016, 93, .		
207	Local nematic susceptibility in stressed BaFe ₂ As ₂ from NMR electric field gradient measurements. Physical Review B, 2017, 96, .		
208	Quantum phase transition inside the superconducting dome of Ba(Fe _{1-x} Co _x) ₂ As ₂ from diamond-based optical magnetometry. New Journal of Physics, 2020, 22, 053037.	1.2	13
209	Local voltage-current characteristics in high-T _c superconductors. Physical Review B, 1998, 57, R14080-R14083.	1.1	12
210	Field-Dependent Diamagnetic Transition in Magnetic Superconductor Sm _{1.85} Ce _{0.15} CuO _{4-y} . Physical Review Letters, 2004, 93, 147001.	2.9	12
211	Magnetic Properties of RB ₆₆ (R = Gd, Tb, Ho, Er, and Lu). Journal of Superconductivity and Novel Magnetism, 2012, 25, 2371-2375.	0.8	12
212	Antiferromagnetic spin correlations and pseudogap-like behavior in Ca(Fe _{1-x} Cox) ₂ As ₂ studied by ⁷⁵ As nuclear magnetic resonance and anisotropic resistivity. Physical Review B, 2015, 92, .	1.1	12
213	Local-moment ferromagnetism and unusual magnetic domains in Fe _{1-x} Bi _x FeAs ₂ . Physical Review B, 2009, 80, .	1.1	11
214	Magnetic-field-dependent pinning potential in LiFeAs superconductor from its Campbell penetration depth. Physical Review B, 2011, 84, .	1.1	11
215	Superconductivity in substituted SrFe ₂ As ₂ . Physical Review B, 2011, 84, .		

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217	Quantum oscillations in the heavy-fermion compound YbPtBi. Physical Review B, 2015, 92, .	1.1	11
218	Meissner-London Susceptibility of Superconducting Right Circular Cylinders in an Axial Magnetic Field. Physical Review Applied, 2021, 16, .	1.5	11
219	Superfluid density in a superconductor with an extended d-wave gap. Superconductor Science and Technology, 2008, 21, 082003.	1.8	10
220	Distinguishing local moment versus itinerant ferromagnets: Dynamic magnetic susceptibility. Journal of Applied Physics, 2008, 103, .	1.1	10
221	The London penetration depth in BaFe ₂ As ₂ superconductors at high electron doping level. Superconductor Science and Technology, 2010, 23, 065022.	1.8	10
222	Noncontact technique for measuring the electrical resistivity and magnetic susceptibility of electrostatically levitated materials. Review of Scientific Instruments, 2012, 83, 103907.	0.6	10
223	Rutgers relation for the analysis of superfluid density in superconductors. Physical Review B, 2013, 87, .	1.1	10
224	Effect of proton irradiation on the normal-state low-energy excitations of Ba(Fe _{1-x} Rh _x) ₂ As ₂ superconductors. Physical Review B, 2017, 96, .	1.1	10
225	Temperature-dependent anisotropies of upper critical field and London penetration depth. Physical Review B, 2019, 100, .	1.1	10
226	Local ac magnetic response in type-II superconductors. Journal of Applied Physics, 1994, 76, 7621-7623.	1.1	9
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