Makariy A Tanatar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8200646/publications.pdf

Version: 2024-02-01

163	7,261	41344	62596
papers	citations	49 h-index	80 g-index

163	163	163	4187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Field-Induced Quantum Critical Point inCeCoIn5. Physical Review Letters, 2003, 91, 246405.	7.8	314
2	A Sharp Peak of the Zero-Temperature Penetration Depth at Optimal Composition in BaFe ₂ (As _{1â€“} _x P _x) ₂. Science, 2012, 336, 1554-1557.	12.6	273
3	Uniaxial-strain mechanical detwinning of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m Physical Review B, 2010, 81.	3.2	255
4	Vortex phase diagram of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2008, 78, .	3.2	237
5	Heat Conduction in the Vortex State ofNbSe2: Evidence for Multiband Superconductivity. Physical Review Letters, 2003, 90, 117003.	7.8	210
6	Anisotropy of the iron pnictide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2009, 79, .	3.2	168
7	Nodal Superconductivity in the Iron Arsenide Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>KFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:m Evidence of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-Wave State. Physical Review Letters, 2012, 109, .	7.8	155
8	Unconventional London Penetration Depth in Single-Crystal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mn>0.93</mml:mn></mml:msub><mml:msub><mml:mi>Co</m Physical Review Letters, 2009, 102, 127004.	7.8	150
9	Nodes in the gap structure of the iron arsenide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2010, 82, .	3.2	143
10	A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.	2.5	138
11	Doping Dependence of Heat Transport in the Iron-Arsenide Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ba</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’ Physical Review Letters, 2010, 104, 067002.	7.8	137
12	Magnetic fieldâ€“temperature phase diagram of the quasi-two-dimensional organic superconductorÎ»â^'(BETS)2GaCl4studied via thermal conductivity. Physical Review B, 2002, 66, .	3.2	131
13	Direct Imaging of the Structural Domains in the Iron Pnictides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>2</mml:mn> xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	Article	IF	Citations
19	Quasiparticle heat transport in single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ba</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, .	3.2	104
20	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. Nature Communications, 2013, 4, 1914.	12.8	100
21	Anisotropy of Magnetothermal Conductivity inSr2RuO4. Physical Review Letters, 2001, 86, 2649-2652.	7.8	98
22	Unpaired Electrons in the Heavy-Fermion SuperconductorCeCoIn5. Physical Review Letters, 2005, 95, 067002.	7.8	94
23	Origin of the Resistivity Anisotropy in the Nematic Phase of FeSe. Physical Review Letters, 2016, 117, 127001.	7.8	93
24	Nonexponential London Penetration Depth of FeAs-Based Superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi><mml:msub><mml:mi>FeAsO</mml:mi><mml:mn>0.9</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">F</mml:mi><mml:mn>0.1</mml:mn></mml:msub></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	92
25	London penetration depth in single crystals of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2009, 79	3.2	92
26	Resistivity anisotropy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>2</mml:	3.2	87
27	Nonvanishing Energy Scales at the Quantum Critical Point ofCeCoIn5. Physical Review Letters, 2006, 97, 106606.	7.8	86
28	Universal Heat Transport inSr2RuO4. Physical Review Letters, 2002, 88, 227004.	7.8	85
29	Nodeless two-gap superconducting state in single crystals of the stoichiometric iron pnictide LiFeAs. Physical Review B, 2011, 83, .	3.2	82
30	Using controlled disorder to probe the interplay between charge order and superconductivity in NbSe2. Nature Communications, 2018, 9, 2796.	12.8	81
31	Doping evolution of the absolute value of the London penetration depth and superfluid density in single crystals of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	Article	IF	Citations
37	Pseudogap and its critical point in the heavily doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Ba</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow Physical Review B, 2010, 82, .	3.2	66
38	Infrared Measurement of the Pseudogap of P-Doped and Co-Doped High-Temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:mi><mml: Physical Review Letters, 2012, 109, 027006.	7.8	64
39	Magnetic-field-tuned quantum criticality of the heavy-fermion system YbPtBi. Physical Review B, 2013, 87,	3.2	59
40	Superconducting and normal-state properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>Pd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	59
41	London penetration depth and strong pair breaking in iron-based superconductors. Physical Review B, 2010, 81, .	3.2	58
42	Nonmetal to metal crossover and ethylene ordering in the organic superconductorÎºâˆ’(BEDTâˆ’TTF)2Cu[N(CN)2]Br. Physical Review B, 1999, 59, 3841-3844.	3.2	57
43	Field-dependent transport critical current in single crystals of Ba(Fe<sub>1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (âˆ’	3.5	54
44	Pressure-induced Fermi-surface reconstruction in the iron-arsenide superconductor Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>K<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	54
45	Physic Energy gap evolution across the superconductivity dome in single crystals of (Ba <sub> 1âˆ’ x) Tj ETQq1 1 0.784314 rgBT /Ove	10.3	54
46	Comprehensive scenario for single-crystal growth and doping dependence of resistivity and anisotropic upper critical fields in (Ba<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 397 Td (xmlns:mml="http://www.w3.org/1998/M	3.2	52
47	Evidence from anisotropic penetration depth for a three-dimensional nodal superconducting gap in single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Ma xmlns:mml="http://www.w3.org/1998/Math/MathML"		

#	Article	IF	Citations
55	Heat Transport as a Probe of Electron Scattering by Spin Fluctuations: The Case of AntiferromagneticCeRhIn5. Physical Review Letters, 2005, 94, 216602.	7.8	43
56	Upper critical field of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">K</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As pressure: A test for the change in the superconducting gap structure. Physical Review B, 2014, 89, .	3.2	43
57	display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mo>Â±</mml:mo></ to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mo>+</mml:mo><mml:mo>+</mml:mo></mml:mrow></ Superconducting Order Parameter in Proton Irradiated <mml:math xmlns:mml="http://www. Physical Review Letters, 2018, 121, 107001.	7.8	42
58	Uniaxial strain control of spin-polarization in multicomponent nematic order of BaFe2As2. Nature Communications, 2018, 9, 1058.	12.8	41
59	Interlayer Coherence and Superconducting Condensate in thec-Axis Response of Optimally DopedBa(Fe1âˆ’xCox)2As2High-TcSuperconductor Using Infrared Spectroscopy. Physical Review Letters, 2013, 110, 097003.	7.8	39
60	Doping dependence of the superconducting gap inTl2Ba2CuO6+Î´from heat transport. Physical Review B, 2007, 75, .	3.2	38
61	Nodeless superconductivity in the type-II Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PdTe</mml:mi><mml:mn>2</mml:mn></mml:msub></ : London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	3.2	38
62	Anisotropy of the Upper Critical Field of the Organic Superconductor Î»-(BETS)2GaCl4. Journal of Superconductivity and Novel Magnetism, 1999, 12, 511-514.	0.5	36
63	Isotropic three-dimensional gap in the iron arsenide superconductor LiFeAs from directional heat transport measurements. Physical Review B, 2011, 84, .	3.2	35
64	Doping-dependent superconducting gap anisotropy in the two-dimensional pnictide Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
73	Upper critical field of high-quality single crystals of KFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	30
74	Environmental stability and anisotropic resistivity of Co-doped Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML". Physical Review B, 2012, 86, .	3.2	28
75	Hybrid Gap Structure of the Heavy-Fermion SuperconductorCeIrIn5. Physical Review Letters, 2007, 99, 187004.	7.8	27
76	Spatially-resolved study of the Meissner effect in superconductors using NV-centers-in-diamond optical magnetometry. New Journal of Physics, 2018, 20, 043010.	2.9	26
77	Tuning the Intrinsic Anisotropy with Disorder in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Ca</mml:mi><mml:mi mathvariant="normal">K</mml:mi><mml:mi>Fe</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi> Superconductor. Physical Review Applied, 2020, 13, .	3.8	26
78	Pressure-temperature phase diagram of the organic superconductorÎºâ^’(BEDTâ^’TTF)2Cu[N(CN)2]I. Physical Review B, 2002, 65, .	3.2	25
79		3.2	25
80	Transport and thermodynamic properties of (Ca<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 487 Td (xmlns:mml="http://www.w3. xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	25
81	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>Electron irradiation effects on superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">PdTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> : An application of a generalized Anderson theorem. Physical Review Research, 2020, 2, .	3.6	25
82	Competition between superconductivity and magnetic/nematic order as a source of anisotropic superconducting gap in underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math><mml:math	3.2	23
83	Analysis of the London penetration depth in Ni-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></mml:mn><mml: Physical Review B, 2019, 100, .	3.2	23
84	Electronic transport properties and structural transformations ofÎºâ^’(BEDTâ^’TTF)2Cu[N(CN)2]I. Physical Review B, 2000, 62, 15561-15568.	3.2	22
85	Interplane resistivity of underdoped single crystals (Ba<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 287 Td (xmlns:mml="h	3.2	22
86	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> Anisotropy of the coherence length from critical currents in the stoichiometric superconductor LiFeAs. Physical Review B, 2011, 84, .	3.2	21
87	Systematics of the temperature-dependent interplane resistivity in Ba(Fe<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 202	3.2	21
88	Absolute value and temperature dependence of the magnetic penetration depth in Ba(Co<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://ww. Physical Review	3.2	21
89	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	3.2	21
90	Ambient-pressure bulk superconductivity deep in the magnetic state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ce</mml:mi><mml:mi mathvariant="normal">Rh</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">In</mml:mi></mml:mrow><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2008, 77, .	3.2	20

#	Article	IF	Citations
91		3.2	20
92	Evolution of London penetration depth with scattering in single crystals of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Na</mml:mi></mml:mrow><mml:mi>x</mml:mi></mml:msub></mml:math> <mml:math xmlns:mml="http://www.w3.org/19. Physical Review B, 2014, 89, .	3.2	20
93	Magnetic field and temperature phase diagram of the pressurized organic superconductorÎºâ^’(BEDTâ^’TTF)2Cu[N(CN)2]Brin the field parallel to the conducting plane. Physical Review B, 2002, 65, .	3.2	19
94	Expansion of the tetragonal magnetic phase with pressure in the iron arsenide superconductorBa1â^’xKxFe2As2. Physical Review B, 2016, 93, .	3.2	19
95	Non-Fermi-liquid types of behavior associated with a magnetic quantum critical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sr</mml:mi><mml:msub><mml:mrow><mml:mi> Physical Review B, 2019, 100, .	3.2	19
96	Doping-dependent anisotropic superconducting gap in Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
109	Interplay between superconductivity and itinerant magnetism in underdoped Ba1â^'xKxFe2As2 (xâ€‰=â€‰0.2) probed by the response to controlled point-like disorder. Npj Quantum Materials, 2019, 4, .	5.2	15
110	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mrow> Physical Review B, 2016, 94, .	3.2	14
111	Effect of heavy-ion irradiation on London penetration depth in overdoped Ba(Fe1â^'xCox)2As2. Physical Review B, 2013, 88, .	3.2	13
112	Local nematic susceptibility in stressed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn> from NMR electric field gradient measurements. Physical Review B, 2017, 96, .	3.2	13
113	Quantum phase transition inside the superconducting dome of Ba(Fe_{1â^'x}Co_x)₂As₂ from diamond-based optical magnetometry. New Journal of Physics, 2020, 22, 053037.	2.9	13
114	Magnetic Properties of RB66 (R = Gd, Tb, Ho, Er, and Lu). Journal of Superconductivity and Novel Magnetism, 2012, 25, 2371-2375.	1.8	12
115	Antiferromagnetic spin correlations and pseudogaplike behavior inCa(Fe1â^'xCox)2As2studied byAs75nuclear magnetic resonance and anisotropic resistivity. Physical Review B, 2015, 92, .	3.2	12
116	Universal heat conduction and nodal gap structure of the heavy-fermion superconductorCeIrIn5. Physical Review B, 2010, 82, .	3.2	11
117	Magnetic-field-dependent pinning potential in LiFeAs superconductor from its Campbell penetration depth. Physical Review B, 2011, 84, .	3.2	11
118	Upper critical field of isoelectron substituted SrFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
127	Tuning evolution of the second magnetization peak and magnetic relaxation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi) Tj ET Qq	3.2	9
128	mathvariant="normal">F</mml:m. Physical Review B, 2018, 97, . Self-Consistent Two-Gap Description of MgB2 Superconductor. Symmetry, 2019, 11, 1012.	2.2	9
129	Clathrate BaNi₂P₄: An Interplay of Heat and Charge Transport Due to Strong Hostâ€“Guest Interactions. Chemistry of Materials, 2020, 32, 7932-7940.	6.7	9
130	Unusual dynamic susceptibility arising from soft ferromagnetic domains in MnBi₈Te₁₃ and Sb-doped MnBi 2n Te 3n+1 (nâ€‰=â€‰2, 3). Journal Physics D: Applied Physics, 2022, 55, 054003.	2.8	9
131	Multiband superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Si</mml:mi></mml:math> determined from studying the response to controlled disorder. Physical Review B, 2022, 105, .	3.2	9
132	Thermal conductivity of the antiferromagnetic organic superconductor Î¤-(BETS)2FeBr4 in the low-field and field-induced superconducting states. Physica C: Superconductivity and Its Applications, 2003, 388-389, 613-614.	1.2	8
133	Dependence of the absolute value of the penetration depth in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Ba</mml: Physical Review B, 2018, 98, .	3.2	8
134	Superconducting State of the Layered Conductor Î±-(BEDT-TTF)2NH4Hg(SCN)4in Magnetic Fields Parallel to the Layer Plane. Journal of the Physical Society of Japan, 2002, 71, 2240-2246.	1.6	7
135	Thermal conductivity of layered organic superconductorÎ²â€™(BDAâ€™TTP)2SbF6in a parallel magnetic field:â€ƒAnomalous effect of coreless vortices. Physical Review B, 2005, 71, .	3.2	7
136	Millimeter-wave study of London penetration depth temperature dependence in Ba(Fe0.926Co0.074)2As2 single crystal. Low Temperature Physics, 2011, 37, 725-728.	0.6	7
137	Quantum Critical Quasiparticle Scattering within the Superconducting State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCoIn</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:m Physical Review Letters, 2016, 117, 016601.	7.8	7
138	Tunnel diode resonator for precision magnetic susceptibility measurements in a mK temperature range and large DC magnetic fields. Review of Scientific Instruments, 2018, 89, 094704.	1.3	7
139	Multi-band effects in in-plane resistivity anisotropy of strain-detwinned disordered Ba(Fe_{1â€“x}Ru_x)₂As₂. Journal of Physics Condensed Matter, 2018, 30, 315601.	1.8	7
140	Competition between orthorhombic and re-entrant tetragonal phases in underdoped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</mml:mm mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:mr probed by the response to contr. Physical Review B, 2019, 99, .	3.2	6
141	Possible unconventional pairing in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>Ca</mml: superconductors reveal. Physical Review B, 2022, 105, .	3.2	6
142	Dome â€“ like variation of the superconducting gap anisotropy in Fe-based superconductors. Journal of Physics: Conference Series, 2013, 449, 012020.	0.4	5
143	Heat transport study of field-tuned quantum criticality inCeIrIn5. Physical Review B, 2016, 93, .	3.2	4
144	Modular portable unit for thermal conductivity measurements in multiple cryogenic/magnetic field environments. Review of Scientific Instruments, 2018, 89, 013903.	1.3	4

#	Article	IF	Citations
145	Effect of Controlled Artificial Disorder on the Magnetic Properties of EuFe2(As1âˆ’xPx)2 Ferromagnetic Superconductor. Materials, 2021, 14, 3267.	2.9	4
146	Polarized Light Microscopy Study on the Reentrant Phase Transition in a (Ba1 â€“ xKx)Fe2As2 Single Crystal with x = 0.24. Crystals, 2016, 6, 142.	2.2	3
147	Doping evolution of the anisotropic upper critical fields in the iron-based superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</mml:mn> mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2017, 96, .	3.2	3
148	Campbell penetration depth in low carrier density superconductor YPtBi. Physical Review B, 2021, 104, .	3.2	3
149	Point Contact Spectroscopy Study of ZrZn2. AIP Conference Proceedings, 2006, , .	0.4	2
150	Universal doping evolution of the superconducting gap anisotropy in single crystals of electron-doped Ba(Fe_{1âˆ’x}Rh_x)₂As₂ from London penetration depth measurements. Journal of Physics Condensed Matter, 2018, 30, 225602.	1.8	2
151	Mechanical detwinning device for anisotropic resistivity measurements in samples requiring dismounting for particle irradiation. Review of Scientific Instruments, 2020, 91, 073904.	1.3	2
152	Itinerant G-type antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SrCr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> studied by magnetization, heat capacity, electrical resistivity, and NMR measurements. Physical Review B, 2022, 105, .	3.2	2
153	Zero field magnetic phase transitions and anomalous low temperature upturn in resistivity of single crystalline Î±-TmAlB4. Journal of Applied Physics, 2010, 107, 09E148.	2.5	1
154	Doping-evolution of the superconducting gap in single crystals of (Ca1âˆ’xLax)10(Pt3As8)(Fe2As2)5superconductor from London penetration depth measurements. Superconductor Science and Technology, 2014, 27, 104006.	3.5	1
155	Intermediate scattering potential strength in electron-irradiated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>Î´</mml:mi></mml:mrow> from London penetration depth measurements. Physical Review B, 2022, 105, .	3.2	1
156	Li Intercalation in Tl₂Ba₂CuO_{6+Î´} Superconductor and Effective Charge of Migrating Li Ion. Molecular Crystals and Liquid Crystals, 2000, 341, 189-192.	0.3	0
157	Light Interference Study of Superionic Transition in Synthetic Metalâ€”Solid Electrolyte Hybrid (BEDT-TTF)3AgxI8. Molecular Crystals and Liquid Crystals, 2000, 341, 539-542.	0.3	0
158	Effect of controlled pointlike disorder induced by 2.5-MeV electron irradiation on the nematic resistivity anisotropy of hole-doped (Ba,K)Fe2As2. Physical Review B, 2020, 102, .	3.2	0
159	Universal temperature dependence of the London penetration depth in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î»</mml:mi><mml:mtext>â€²</mml:mtext><mml:msub> superconductors. Physical Review B, 2020, 101, .	3.2	0
160	London penetration depth at zero temperature and near the superconducting transition. Physical Review B, 2020, 101, .	3.2	0
161	Low-temperature high-frequency dynamic magnetic susceptibility of classical spin-ice Dy2Ti2O7. Journal of Physics Condensed Matter, 2021, 33, 455802.	1.8	0
162	Subphases in the superconducting state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CeIrIn</mml:mi></mml:mrow><mml:mn>5< revealed by low-temperature <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math> -axis heat transport. Physical Review Research, 2022, 4, .	3.6	0

#	Article	IF	Citations
163	Nematicity and Glassy Behavior Probed by Nuclear Magnetic Resonance in Iron-Based Superconductors. Frontiers in Physics, 2022, 10, .	2.1	0