

Alexandre Bouzdine

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1252287/alexandre-bouzdine-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209
papers

7,358
citations

42
h-index

81
g-index

219
ext. papers

8,182
ext. citations

3.9
avg, IF

6.43
L-index

#	Paper	IF	Citations
209	Extremely long-range, high-temperature Josephson coupling across a half-metallic ferromagnet. <i>Nature Materials</i> , 2021 ,	27	3
208	Inverse Faraday Effect for Superconducting Condensates. <i>Physical Review Letters</i> , 2021 , 126, 137002	7.4	2
207	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. <i>Science Advances</i> , 2021 , 7,	14.3	5
206	Phase transitions in superconductor/ferromagnet bilayer driven by spontaneous supercurrents. <i>Physical Review B</i> , 2021 , 103,	3.3	2
205	Giant demagnetization effects induced by superconducting films. <i>Applied Physics Letters</i> , 2021 , 119, 102601	9.4	1
204	Spontaneous Currents and Topologically Protected States in Superconducting Hybrid Structures with the Spin-Orbit Coupling (Brief Review). <i>JETP Letters</i> , 2021 , 113, 34-46	1.2	1
203	Electromagnetic Proximity Effect and the Fulde-Ferrell-Larkin-Ovchinnikov Instability in Hybrid Superconductor-Ferromagnet Structures (Brief Review). <i>JETP Letters</i> , 2021 , 113, 92-101	1.2	1
202	Interplay between superconductivity and spin-dependent fields in nanowire-based systems. <i>Physical Review B</i> , 2020 , 101,	3.3	1
201	Tailored Flux Pinning in Superconductor-Ferromagnet Multilayers with Engineered Magnetic Domain Morphology From Stripes to Skyrmions. <i>Physical Review Applied</i> , 2020 , 13,	4.3	11
200	Magnetic flux pumping in superconducting loop containing a Josephson junction. <i>Applied Physics Letters</i> , 2020 , 116, 162601	3.4	2
199	Quasiparticle tunnel electroresistance in superconducting junctions. <i>Nature Communications</i> , 2020 , 11, 658	17.4	13
198	Crossover from ferromagnetic superconductor to superconducting ferromagnet in P-doped $\text{EuFe}_2(\text{As}_{1-x}\text{Px})_2$. <i>Physical Review B</i> , 2020 , 102,	3.3	2
197	Nonuniform superconductivity in wires with strong spin-orbit coupling. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	0
196	On-Demand Optical Generation of Single Flux Quanta. <i>Nano Letters</i> , 2020 , 20, 6488-6493	11.5	0
195	Chirality-controlled spontaneous currents in spin-orbit coupled superconducting rings. <i>Physical Review B</i> , 2019 , 99,	3.3	8
194	Attractive interaction between superconducting vortices in tilted magnetic fields. <i>Communications Physics</i> , 2019 , 2,	5.4	5
193	Theory of Magnetic Domain Phases in Ferromagnetic Superconductors. <i>Physical Review Letters</i> , 2019 , 122, 117002	7.4	13

192	Electromagnetic proximity effect controlled by spin-triplet correlations in superconducting spin-valve structures. <i>Physical Review B</i> , 2019 , 99,	3.3	14
191	In-situ creation and control of Josephson junctions with a laser beam. <i>Applied Physics Letters</i> , 2019 , 114, 142601	3.4	1
190	Fraunhofer patterns in magnetic Josephson junctions with non-uniform magnetic susceptibility. <i>Scientific Reports</i> , 2019 , 9, 5616	4.9	6
189	Long-range triplet proximity effect in multiply connected ferromagnet-superconductor hybrids. <i>Physical Review B</i> , 2019 , 100,	3.3	5
188	Superconductivity-driven helical magnetic structure in EuRbFe ₄ As ₄ ferromagnetic superconductor. <i>Physical Review B</i> , 2019 , 100,	3.3	9
187	Superconducting vortices generated via spin-orbit coupling at superconductor/ferromagnet interfaces. <i>Physical Review B</i> , 2019 , 100,	3.3	2
186	Josephson current through a ferromagnetic bilayer: Beyond the quasiclassical approximation. <i>Physical Review B</i> , 2019 , 100,	3.3	1
185	Generation of a superconducting vortex via Nbl skyrmions. <i>Physical Review B</i> , 2019 , 99,	3.3	16
184	Nonuniform superconductivity and Josephson effect in a conical ferromagnet. <i>Physical Review B</i> , 2019 , 99,	3.3	5
183	Vortex molecules in thin films of layered superconductors. <i>Low Temperature Physics</i> , 2018 , 44, 534-542	0.7	0
182	Domain Meissner state and spontaneous vortex-antivortex generation in the ferromagnetic superconductor EuFe(AsP). <i>Science Advances</i> , 2018 , 4, eaat1061	14.3	35
181	Electromagnetic proximity effect in planar superconductor-ferromagnet structures. <i>Applied Physics Letters</i> , 2018 , 113, 022601	3.4	30
180	Magnetic Exchange Fields and Domain Wall Superconductivity at an All-Oxide Superconductor-Ferromagnet Insulator Interface. <i>Physical Review Letters</i> , 2018 , 121, 077003	7.4	6
179	Temperature Controlled Fulde-Ferrell-Larkin-Ovchinnikov Instability in Superconductor-Ferromagnet Hybrids. <i>Physical Review Letters</i> , 2018 , 121, 077002	7.4	10
178	Re-orientation of the easy axis in \mathbb{D} -junction. <i>Europhysics Letters</i> , 2018 , 122, 37001	1.6	11
177	Spontaneous Currents in Superconducting Systems with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2017 , 118, 077001	7.4	26
176	In Search of Unambiguous Evidence of the Fulde-Ferrell-Larkin-Ovchinnikov State in Quasi-Low Dimensional Superconductors. <i>Condensed Matter</i> , 2017 , 2, 30	1.8	9
175	Magnetization reversal by superconducting current in \mathbb{D} Josephson junctions. <i>Applied Physics Letters</i> , 2017 , 110, 182407	3.4	27

174	Manipulating Abrikosov vortices with soft magnetic stripes. <i>Physical Review B</i> , 2017 , 95,	3.3	11
173	Magnetic gates and guides for superconducting vortices. <i>Physical Review B</i> , 2017 , 95,	3.3	13
172	Anomalous Josephson effect controlled by an Abrikosov vortex. <i>Physical Review B</i> , 2017 , 96,	3.3	9
171	Giant Mesoscopic Fluctuations and Long-Range Superconducting Correlations in Superconductor-Ferromagnet Structures. <i>Physical Review Letters</i> , 2016 , 117, 077001	7.4	5
170	Effective model for a short Josephson junction with a phase discontinuity. <i>Physical Review B</i> , 2016 , 93,	3.3	5
169	Optical manipulation of single flux quanta. <i>Nature Communications</i> , 2016 , 7, 12801	17.4	35
168	Long-range ballistic transport mechanisms in superconducting spintronics. <i>Uspekhi Fizicheskikh Nauk</i> , 2016 , 186, 640-646	0.5	0
167	Soliton formation in the FFLO phase. <i>Physical Review B</i> , 2016 , 94,	3.3	1
166	Magnetic mapping of defects in type-II superconductors. <i>Applied Physics Letters</i> , 2016 , 108, 212602	3.4	2
165	Long-range ballistic transport mechanisms in superconducting spintronics. <i>Physics-Uspekhi</i> , 2016 , 59, 571-576	2.8	4
164	FFLO-wave-vector Lock-in Effect in Quasi-1D Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 1305-1308	1.5	4
163	Clustering of vortex matter in superconductor-ferromagnet superlattices. <i>Europhysics Letters</i> , 2015 , 110, 37003	1.6	4
162	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. <i>Physical Review Letters</i> , 2015 , 115, 027601	7.4	21
161	Signatures of odd-frequency correlations in the Josephson current of superconductor/ferromagnet hybrid junctions. <i>Physical Review B</i> , 2015 , 92,	3.3	9
160	Triplet proximity effect in superconducting heterostructures with a half-metallic layer. <i>Physical Review B</i> , 2015 , 92,	3.3	41
159	First order 0 π phase transitions in superconductor/ferromagnet/superconductor trilayers. <i>Physical Review B</i> , 2015 , 92,	3.3	12
158	Double Path Interference and Magnetic Oscillations in Cooper Pair Transport through a Single Nanowire. <i>Physical Review Letters</i> , 2015 , 114, 227001	7.4	24
157	Standard, inverse, and triplet spin-valve effects in F1/S/F2 systems. <i>Physical Review B</i> , 2014 , 89,	3.3	13

156	Microwave and dc response of an Abrikosov vortex lattice in ferromagnetic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 503, 98-100	1.3	
155	Magnon radiation by moving Abrikosov vortices in ferromagnetic superconductors and superconductor-ferromagnet multilayers. <i>Physical Review B</i> , 2014 , 89,	3.3	15
154	Stimulation of a singlet superconductivity in SFS weak links by spin-exchange scattering of cooper pairs. <i>Scientific Reports</i> , 2014 , 4, 5671	4.9	11
153	Interference phenomena and long-range proximity effect in superconductor/ferromagnet systems. <i>Journal of Physics: Conference Series</i> , 2014 , 568, 022007	0.3	
152	Thermodynamic nature of the 0 \rightarrow 1 quantum transition in superconductor/ferromagnet/superconductor trilayers. <i>Physical Review B</i> , 2014 , 90,	3.3	21
151	Peculiarities of the orbital effect in the Fulde-Ferrell-Larkin-Ovchinnikov state in quasi-one-dimensional superconductors. <i>Physical Review B</i> , 2014 , 89,	3.3	12
150	Phase transitions in the domain structure of ferromagnetic superconductors. <i>Physical Review B</i> , 2014 , 89,	3.3	6
149	Vortex Molecules in Thin Films of Layered Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2853-2857	1.5	1
148	Quantum Oscillations and \mathbb{Z}_2 States in Multiply Connected Ferromagnet-Superconductor Hybrids. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2851-2852	1.5	
147	Crossover from crossing to tilted vortex phase in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ single crystals near ab-plane. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 77-80	1.3	
146	Orientalional Effect of the In-Plane Magnetic Field on the FFLO Modulation in Layered Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1657-1661	1.5	4
145	The Fulde-Ferrell-Larkin-Ovchinnikov state in layered d-wave superconductors: in-plane anisotropy and resonance effects in the angular dependence of the upper critical field. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 125702	1.8	8
144	On the theory of the proximity effect in atomic scale superconducting/normal metal multilayered structures. <i>Superconductor Science and Technology</i> , 2013 , 26, 085011	3.1	
143	Band structure of magnetic excitations in the vortex phase of a ferromagnetic superconductor. <i>Physical Review B</i> , 2013 , 87,	3.3	3
142	Role of crystal anisotropy on the vortex state in the Fulde-Ferrell-Larkin-Ovchinnikov (FFLO) phase. <i>Physical Review B</i> , 2013 , 87,	3.3	4
141	Non-uniform Fulde-Ferrell-Larkin-Ovchinnikov (FFLO) state. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1912-1914	2.8	4
140	Interference phenomena and long-range proximity effect in clean superconductor-ferromagnet systems. <i>Physical Review Letters</i> , 2012 , 109, 237006	7.4	37
139	Vanishing Meissner effect as a hallmark of in-plane Fulde-Ferrell-Larkin-Ovchinnikov instability in superconductor-ferromagnet layered systems. <i>Physical Review Letters</i> , 2012 , 109, 237002	7.4	41

138	Magnetic moment manipulation by triplet Josephson current. <i>Applied Physics Letters</i> , 2012 , 101, 242602	3.4	30
137	Anomalous upper critical field in CeCoIn ₅ /YbCoIn ₅ superlattices with a Rashba-type heavy Fermion interface. <i>Physical Review Letters</i> , 2012 , 109, 157006	7.4	61
136	Penetration of the magnetic field into the twinning plane in type-I and -II superconductors. <i>Physical Review B</i> , 2012 , 86,	3.3	1
135	Domain structure and magnetic pinning in ferromagnetic/superconducting hybrids. <i>Physical Review B</i> , 2012 , 85,	3.3	20
134	In-plane magnetic field anisotropy of the Fulde-Ferrell-Larkin-Ovchinnikov state in layered superconductors. <i>Physical Review Letters</i> , 2012 , 108, 207005	7.4	37
133	Field-Direction Dependence of the Upper Critical Field in Organic Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 1283-1287	1.5	9
132	Attraction between pancake vortices and vortex molecule formation in the crossing lattices in thin films of layered superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	7
131	Resonance in-plane magnetic field effect as a means to reveal the Fulde-Ferrell-Larkin-Ovchinnikov state in layered superconductors. <i>Physical Review B</i> , 2012 , 86,	3.3	15
130	Extended Lawrence-Doniach model: The temperature evolution of the in-plane magnetic field anisotropy. <i>Physical Review B</i> , 2012 , 86,	3.3	11
129	Josephson current and E _{state} in a ferromagnet with embedded superconducting nanoparticles. <i>Superconductor Science and Technology</i> , 2011 , 24, 024003	3.1	1
128	Domain walls and long-range triplet correlations in SFS Josephson junctions. <i>Physical Review B</i> , 2011 , 83,	3.3	36
127	Field-induced superconducting phase in superconductor/normal metal and superconductor-superconductor bilayers. <i>Physical Review B</i> , 2011 , 84,	3.3	3
126	Size of stripe domains in a superconducting ferromagnet. <i>Physical Review B</i> , 2011 , 84,	3.3	14
125	Fluctuating pancake vortices revealed by dissipation of the Josephson vortex lattice. <i>Physical Review B</i> , 2011 , 83,	3.3	8
124	Vortex clusters and multiquanta flux lattices in thin films of anisotropic superconductors. <i>Physical Review B</i> , 2010 , 82,	3.3	7
123	Long-range singlet proximity effect in ferromagnetic nanowires. <i>Physical Review B</i> , 2010 , 82,	3.3	12
122	Fulde-Ferrell-Larkin-Ovchinnikov states and quantum oscillations in mesoscopic superconductors and superfluid ultracold Fermi gases. <i>Physical Review B</i> , 2010 , 82,	3.3	15
121	Enhanced supercurrents in Josephson junctions containing nonparallel ferromagnetic domains. <i>Physical Review Letters</i> , 2010 , 104, 207001	7.4	75

120	Little-Parks oscillations in hybrid ferromagnet/superconductor systems. <i>Physical Review B</i> , 2009 , 79,	3.3	16
119	Crossover between magnetic vortex attraction and repulsion in thin films of layered superconductors. <i>Physical Review B</i> , 2009 , 79,	3.3	13
118	Oscillations of magnetization and conductivity in anisotropic Fulde-Ferrell-Larkin-Ovchinnikov superconductors. <i>Physical Review B</i> , 2009 , 79,	3.3	1
117	Proximity effect in atomic-scaled hybrid superconductor/ferromagnet structures: Crucial role of electron spectra. <i>Europhysics Letters</i> , 2009 , 86, 67002	1.6	9
116	Giant superconductivity-induced modulation of the ferromagnetic magnetization in a cuprate-manganite superlattice. <i>Nature Materials</i> , 2009 , 8, 315-9	27	87
115	Magnetic moment manipulation by a Josephson current. <i>Physical Review Letters</i> , 2009 , 102, 017001	7.4	78
114	On the way from π - to 0 -junction. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052029	0.3	1
113	Superconducting fluctuations near the FFLO state. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052103	0.3	0
112	Nonsinusoidal current-phase relation in strongly ferromagnetic and moderately disordered SFS junctions. <i>Physical Review B</i> , 2008 , 78,	3.3	23
111	Direct coupling between magnetism and superconducting current in the Josephson ϕ_0 junction. <i>Physical Review Letters</i> , 2008 , 101, 107005	7.4	195
110	Coexistence of Singlet Superconductivity and Magnetic Order in Bulk Magnetic Superconductors and SF Heterostructures 2008 , 163-200		0
109	On the theory of ferromagnet/superconductor heterostructures. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 454, 61-69	1.3	15
108	Anomalous (H,T) phase diagram in bilayered superconducting systems. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 1028-1030	1.3	1
107	Single-molecule spectroscopy as a possible tool to study the electric field in superconductors. <i>Europhysics Letters</i> , 2007 , 77, 17005	1.6	4
106	FFLO state in thin superconducting films. <i>Europhysics Letters</i> , 2007 , 80, 67004	1.6	19
105	Anomalous fluctuation regimes at FFLO transition. <i>Europhysics Letters</i> , 2007 , 79, 67001	1.6	18
104	Long range triplet Josephson effect through a ferromagnetic trilayer. <i>Physical Review B</i> , 2007 , 76,	3.3	187
103	Vortex states induced by proximity effect in hybrid ferromagnet-superconductor systems. <i>Physical Review B</i> , 2007 , 76,	3.3	14

102	High-field superconducting transition of CeCoIn ₅ studied by local magnetic induction measurements. <i>Physical Review B</i> , 2007 , 76,	3.3	12
101	Josephson junctions with second harmonic in the current-phase relation: Properties of π junctions. <i>Physical Review B</i> , 2007 , 76,	3.3	99
100	Surface magnetic phase transitions in films. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 170-173	2.8	
99	Thickness dependence of the Josephson ground States of superconductor-ferromagnet-superconductor junctions. <i>Physical Review Letters</i> , 2006 , 96, 197003	7.4	226
98	High quality ferromagnetic 0 and π Josephson tunnel junctions. <i>Applied Physics Letters</i> , 2006 , 89, 122511	3.4	104
97	Josephson coupling through ferromagnetic heterojunctions with noncollinear magnetizations. <i>Physical Review B</i> , 2006 , 74,	3.3	51
96	Competition between π coupling and Fulde-Ferrell-Larkin-Ovchinnikov modulation in a periodic array of ferromagnetic-superconducting bilayers of atomic thickness. <i>Physical Review B</i> , 2006 , 73,	3.3	5
95	Properties of superconductor/ferromagnet structures with spin-dependent scattering. <i>Physical Review B</i> , 2006 , 73,	3.3	63
94	Theory of domain-wall superconductivity in superconductor/ferromagnet bilayers. <i>Physical Review B</i> , 2006 , 74,	3.3	41
93	First-order magnetic phase transitions in thin films. <i>JETP Letters</i> , 2006 , 83, 79-82	1.2	
92	Density of states in SF bilayers with arbitrary strength of magnetic scattering. <i>JETP Letters</i> , 2006 , 83, 327-331	1.2	9
91	Proximity effect in superconductor/ferromagnet heterostructures. <i>Comptes Rendus Physique</i> , 2006 , 7, 107-115	1.4	3
90	Thickness dependence of second-order magnetic phase transitions in films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 351, 343-349	2.3	3
89	Superconductor-Ferromagnet Heterostructures 2006 , 197-224		
88	Scanning tunneling spectroscopy of the superconducting proximity effect in a diluted ferromagnetic alloy. <i>Physical Review B</i> , 2005 , 72,	3.3	38
87	Proximity effects in superconductor-ferromagnet heterostructures. <i>Reviews of Modern Physics</i> , 2005 , 77, 935-976	40.5	1577
86	Influence of $s\pi$ scattering on the electron density of states in ferromagnet/superconductor bilayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 74-77	2.8	1
85	Inversion of the proximity effect in atomic-scale ferromagnet/superconductor/ferromagnet trilayers. <i>Physical Review B</i> , 2005 , 71,	3.3	17

84	Peculiar properties of the Josephson junction at the transition from 0 to π state. <i>Physical Review B</i> , 2005 , 72,	3-3	50
83	Domain structure in a superconducting ferromagnet. <i>Physical Review Letters</i> , 2005 , 94, 187202	7-4	34
82	Faurand Buzdin Reply. <i>Physical Review Letters</i> , 2005 , 95,	7-4	8
81	Field-induced superconductivity with an enhanced and tunable paramagnetic limit. <i>Physical Review Letters</i> , 2005 , 95, 167003	7-4	9
80	Enhancement of the superconducting transition temperature in Nb/permalloy bilayers by controlling the domain state of the ferromagnet. <i>Physical Review Letters</i> , 2004 , 93, 057002	7-4	122
79	Magnetization distribution in a helicoidal structure containing a point defect. <i>Journal of Experimental and Theoretical Physics</i> , 2004 , 99, 1207-1213	1	
78	On the theory of surface magnetic first-order phase transition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 319, 360-366	2-3	2
77	π junction realization due to tunneling through a thin ferromagnetic layer. <i>JETP Letters</i> , 2003 , 78, 583-586	1-2	17
76	Periodic alternating 0- and π junction structures as realization of π Josephson junctions. <i>Physical Review B</i> , 2003 , 67,	3-3	114
75	Inversion of the proximity effect in hybrid ferromagnet-superconductor-ferromagnet structures. <i>Europhysics Letters</i> , 2003 , 64, 510-516	1-6	15
74	Thermodynamic properties of ferromagnet/superconductor/ferromagnet nanostructures. <i>Physical Review B</i> , 2003 , 67,	3-3	54
73	Theoretical description of ferromagnetic π junctions near the critical temperature. <i>Physical Review B</i> , 2003 , 67,	3-3	43
72	Domain wall superconductivity in ferromagnetic superconductors. <i>Physical Review B</i> , 2003 , 67,	3-3	74
71	Intrinsic pinning of vortices as a direct probe of the nonuniform Larkin-Ovchinnikov-Fulde-Ferrell state in layered superconductors. <i>Physical Review Letters</i> , 2003 , 90, 067003	7-4	33
70	Domain-wall superconductivity in hybrid superconductor-ferromagnet structures. <i>Physical Review B</i> , 2003 , 68,	3-3	90
69	New superconducting phases in field-induced organic superconductor λ -(BETS) $_2$ FeCl $_4$. <i>Physical Review Letters</i> , 2002 , 88, 227001	7-4	55
68	Attraction between pancake vortices in the crossing lattices of layered superconductors. <i>Physical Review Letters</i> , 2002 , 88, 147002	7-4	37
67	Critical fluctuations in a mesoscopic superconducting ring. <i>Physical Review Letters</i> , 2002 , 89, 076601	7-4	12

66	Ferromagnetic superconductors. <i>Physics World</i> , 2002 , 15, 41-46	0.5	47
65	Nonuniform superconducting phases in a layered ferromagnetic superconductor. <i>Europhysics Letters</i> , 2002 , 58, 596-602	1.6	6
64	Triple Approach to Determination of the c-Axis Penetration Depth in BSCCO Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2001 , 14, 181-188		5
63	Influence of the nonuniform superconductivity on the upper critical field in the extended saddle-point model. <i>Physical Review B</i> , 2001 , 63,	3.3	2
62	Local quasiparticle density of states in ferromagnet/superconductor nanostructures. <i>Physical Review B</i> , 2001 , 64,	3.3	59
61	Structure of the vortex lattice in the Fulde-Ferrell-Larkin-Ovchinnikov state. <i>Physical Review B</i> , 2001 , 63,	3.3	55
60	Decoupling of superconducting layers in the magnetic superconductor RuSr ₂ GdCu ₂ O ₈ . <i>Physical Review B</i> , 2001 , 64,	3.3	15
59	Interplay of superconductivity and magnetism in superconductor/ferromagnet structures. <i>Physical Review B</i> , 2001 , 63,	3.3	63
58	Penetration of Josephson vortices and measurement of the c-axis penetration depth in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Interplay of Josephson coupling, surface barrier, and defects. <i>Physical Review B</i> , 2001 , 63,	3.3	6
57	c-axis penetration depth in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ single crystals measured by ac-susceptibility and cavity perturbation technique. <i>JETP Letters</i> , 2000 , 71, 92-96	1.2	12
56	The effect of a magnetic field on the inversion temperature of a spin crossover compound revisited. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 271, 145-154	2.3	70
55	Electrostatic analogies in the problems of vortex-defect interactions. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 108-114	1.3	16
54	Influence of the paramagnetic effect on the vortex lattice in 2D superconductors. <i>Europhysics Letters</i> , 2000 , 50, 375-381	1.6	27
53	Relevance of the scheme of regularization of the density-of-state fluctuation contribution in an arbitrary magnetic field. <i>Physical Review B</i> , 2000 , 62, 9721-9725	3.3	5
52	Vortex trapping by tilted columnar defects. <i>Physical Review B</i> , 2000 , 61, 11704-11710	3.3	3
51	Density of states oscillations in a ferromagnetic metal in contact with a superconductor. <i>Physical Review B</i> , 2000 , 62, 11377-11379	3.3	76
50	Theory of the δ junctions formed in atomic-scale superconductor/ferromagnet superlattices. <i>Physical Review B</i> , 1999 , 59, 587-595	3.3	38
49	Pressure Dependence of the Upper Critical Field of the Heavy Fermion Superconductor UBe ₁₃ . <i>Physical Review Letters</i> , 1999 , 82, 169-172	7.4	33

48	Soliton structure in spin-Peierls systems. <i>Physical Review B</i> , 1999 , 59, 11165-11168	3.3	5
47	Spin-orientation-dependent superconductivity in F/S/F structures. <i>Europhysics Letters</i> , 1999 , 48, 686-691	1.6	184
46	Interplay of magnetism and superconductivity in CeCu ₂ Si ₂ under hydrostatic pressure.. <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 683-685	2.8	4
45	Surface superconducting states near elliptic antidots and in elliptic microdisks. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 325, 118-126	1.3	2
44	Structure of the non-uniform Fulde-Ferrell-Larkin-Ovchinnikov state in 3D superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 316, 89-96	1.3	25
43	Vortex structure in the presence of tilted columnar defects. <i>JETP Letters</i> , 1998 , 68, 544-548	1.2	1
42	Universal phase diagram for transitions to non-uniform states with one-component order parameter. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 237, 276-282	2.3	2
41	Thermal conductivity of pure and Si-doped CuGeO ₃ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 245, 127-132	2.3	11
40	Thermodynamic properties of the spin-Peierls systems. <i>Solid State Communications</i> , 1998 , 108, 307-312	1.6	1
39	Electromagnetic pinning of vortices on different types of defects. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 294, 257-269	1.3	43
38	Little-Parks effect for arbitrary geometry: fluctuations of the magnetic moment of mesoscopic loops. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 248, 445-452	2.3	15
37	Interplay of magnetism and superconductivity in under hydrostatic pressure. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, L749-L755	1.8	4
36	Regularization of the density-of-states fluctuation contribution in a magnetic field. <i>Physical Review B</i> , 1998 , 58, 14195-14198	3.3	9
35	Theory of interplay of nuclear magnetism and superconductivity in AuIn ₂ . <i>Physical Review B</i> , 1997 , 56, R11415-R11418	3.3	12
34	Effect of extremely fine Y ₂ BaCuO ₅ precipitates on the critical current density of melt-processed YBa ₂ Cu ₃ O _x . <i>Journal of Applied Physics</i> , 1997 , 81, 7396-7408	2.5	12
33	Magnetism and superconductivity in (RE) Ni ₂ B ₂ C: The case of TmNi ₂ B ₂ C. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 235, 285-290	2.3	6
32	Localized states at the helicoidal phase transition. <i>JETP Letters</i> , 1997 , 65, 814-820	1.2	3
31	Specific heat at the spin-peierls transition in CuGeO ₃ under magnetic fields up to 22 tesla. <i>Journal of Low Temperature Physics</i> , 1997 , 107, 243-262	1.3	9

30	Upper critical field of heavy fermion superconductors. <i>Physica B: Condensed Matter</i> , 1997 , 230-232, 406-408		9
29	Generalized Ginzburg-Landau theory for nonuniform FFLO superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 225, 341-348	2.3	127
28	Field dependence study of the reversible magnetization in heavy ions irradiated thallium based single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 107, 403-408	1.2	1
27	New solutions for the superconducting order parameter in a high magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996 , 218, 359-366	2.3	26
26	Electromagnetic pinning of vortices by non-superconducting defects and their influence on screening. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 303-311	1.3	48
25	Peculiarities of field penetration in the presence of cross-flux interaction. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 261, 81-89	1.3	1
24	Strong coupling effects on the upper critical field of the heavy-fermion superconductor UBe13. <i>Journal of Low Temperature Physics</i> , 1996 , 102, 117-132	1.3	50
23	Non-uniform state in 2D superconductors. <i>Europhysics Letters</i> , 1996 , 35, 707-712	1.6	51
22	Surface critical field in layered superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 207, 113-117	2.3	3
21	Review on the phase diagram and the upper critical field anisotropy of uranium-based heavy fermion superconductors. <i>Physica B: Condensed Matter</i> , 1995 , 206-207, 568-573	2.8	10
20	Unusual field dependence of the reversible magnetization in heavy ions irradiated thallium-based single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 163-169	1.3	48
19	Anisotropy of the upper critical field in URu2Si2 and FFLO state in antiferromagnetic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 128-138	1.3	67
18	Specific heat of the antiferromagnetic heavy-fermion superconductor URu2Si2. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 229, 79-89	1.3	14
17	On the theory of electromagnetic pinning of vortices. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2755-2756	1.3	24
16	Phase transitions in a superconducting thin film with a single circular hole. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994 , 195, 373-379	2.3	19
15	Fluctuation conductivity of layered superconductors in a perpendicular magnetic field. <i>Physical Review B</i> , 1993 , 48, 12951-12965	3.3	121
14	OPTICAL CONDUCTIVITY AND NUCLEAR RELAXATION RATE IN LAYERED N/S STRUCTURES. <i>International Journal of Modern Physics B</i> , 1993 , 07, 109-112	1.1	
13	Multiple-quanta vortices at columnar defects. <i>Physical Review B</i> , 1993 , 47, 11416-11419	3.3	114

12	Possible formation of a nonuniform superconducting state in the heavy-fermion compound UPd ₂ Al ₃ . <i>Physical Review Letters</i> , 1993 , 70, 501-504	7.4	168
11	Thermodynamic properties of atomic superconductor-normal-metal multilayers. <i>Physical Review B</i> , 1992 , 45, 7499-7502	3.3	15
10	Parallel field penetration in a layered superconductor. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 165, 281-284	2.3	32
9	Specific paraconductivity along the c-axis in YBa ₂ Cu ₃ O ₇ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 166, 267-272	2.3	66
8	Thermal nucleation of 2D point vortices in a layered superconductor. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 167, 89-93	2.3	15
7	π phase in magnetic-layered superconductors. <i>Physical Review B</i> , 1991 , 43, 10124-10131	3.3	83
6	Transition temperatures of superconductor-ferromagnet superlattices. <i>Physical Review B</i> , 1991 , 44, 759-764	3.3	300
5	Electromagnetic interaction of vortices in layered superconducting structures. <i>Journal De Physique</i> , 1990 , 51, 1971-1978		126
4	Upper critical fields of superconductor-ferromagnet multilayers. <i>Physical Review B</i> , 1988 , 38, 2388-2393	3.3	131
3	Influence of spin-orbit scattering on the coexistence phase of the ferromagnetic superconductors ErRh ₄ B ₄ and HoMo ₆ S ₈ . <i>Physical Review B</i> , 1986 , 34, 4928-4931	3.3	9
2	Unusual behavior of superconductors near the tricritical Lifshitz point. <i>Journal of Low Temperature Physics</i> , 1984 , 54, 203-213	1.3	24
1	Theory of magnetic structure in reentrant magnetic superconductors HoMo ₆ S ₈ and ErRh ₄ B ₄ . <i>Physical Review B</i> , 1983 , 28, 1370-1388	3.3	32