Controlled Injection of Spin-Triplet Supercurrents into

Science

329, 59-61

DOI: 10.1126/science.1189246

Citation Report

#	Article	IF	Citations
1	Long-range supercurrents through half-metallic ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CrO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms Physical Review B, 2010, 82, .	1.1	237
2	Spin-triplet supercurrent through inhomogeneous ferromagnetic trilayers. Physical Review B, 2010, 82, .	1.1	46
3	Anomalous Josephson current through a ferromagnetic trilayer junction. Physical Review B, 2010, 82, .	1.1	70
4	Ferromagnetic proximity effect in<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>-Co</mml:mtext></mml:mrow><mml:mi> Role of magnetic disorder and interface transparency. Physical Review B, 2010, 82, .	1.1	9
5	Long-range singlet proximity effect in ferromagnetic nanowires. Physical Review B, 2010, 82, .	1.1	16
6	Supercurrent-induced magnetization dynamics in a Josephson junction with two misaligned ferromagnetic layers. Physical Review B, 2011, 83, .	1.1	42
7	Domain walls and long-range triplet correlations in SFS Josephson junctions. Physical Review B, 2011, 83, .	1.1	45
8	Unconventional Surface Impedance of a Normal-Metal Film Covering a Spin-Triplet Superconductor Due to Odd-Frequency Cooper Pairs. Physical Review Letters, 2011, 107, 087001.	2.9	81
9	Evidence for spin mixing in holmium thin film and crystal samples. Physical Review B, 2011, 83, .	1.1	26
10	Spin-filter Josephson junctions. Nature Materials, 2011, 10, 849-852.	13.3	182
11	Triplet Superconductivity in a Ferromagnetic Vortex. Physical Review Letters, 2011, 107, 087003.	2.9	28
12	New directions in spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3027-3036.	1.6	32
13	Anomalous proximity effect in spin-valve superconductor/ferromagnetic metal/ferromagnetic metal structures. Physical Review B, 2011, 84, .	1.1	24
14	Current-voltage characteristics of tunnel Josephson junctions with a ferromagnetic interlayer. Physical Review B, 2011, 84, .	1.1	22
15	Nanopillar junctions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3198-3213.	1.6	10
16	Spin-polarized supercurrents for spintronics. Physics Today, 2011, 64, 43-49.	0.3	380
17	Inducing supercurrents in thin films of ferromagnetic CrO₂. Superconductor Science and Technology, 2011, 24, 024016.	1.8	27
18	Interaction of Josephson and magnetic oscillations in Josephson tunnel junctions with a ferromagnetic layer. Physical Review B, 2011, 84, .	1.1	36

#	Article	IF	Citations
19	The Ho thickness dependence of spin-triplet supercurrents in Nb/Ho/Co/Ho/Nb films. Solid State Communications, 2011, 151, 651-652.	0.9	2
20	Response to comment on â€œControlled injection of spin triplet supercurrents into a strong ferromagnetâ€• Solid State Communications, 2011, 151, 653-654.	0.9	1
21	Spin supercurrent in Josephson contacts with noncollinear ferromagnets. New Journal of Physics, 2011, 13, 083033.	1.2	31
22	Strain dependent selection of spin-slip phases in sputter deposited thin-film epitaxial holmium. Journal of Physics Condensed Matter, 2011, 23, 416006.	0.7	9
23	Stray field and the superconducting surface spin valve effect in La_{0.7}Ca_{0.3}MnO₃/YBa₂Cu₃O_{7â˜Î´} bilayers. New Journal of Physics, 2011, 13, 033040.	1.2	4
24	Density of states spectra in ferromagnet/superconductor/ferromagnet heterostructures. Physical Review B, 2011, 83, .	1.1	3
25	Triplet order parameter component at Co/CoO/In contacts. Physical Review B, 2011, 84, .	1.1	7
26	Quasiclassical description of a superconductor with a spin density wave. Physical Review B, 2011, 83, .	1.1	17
27	On the Puzzle of Odd-Frequency Superconductivity. Journal of the Physical Society of Japan, 2011, 80, 054702.	0.7	57
28	Ferromagnetic proximity effect in a ferromagnet/iron-pnictide superconductor junction. Europhysics Letters, 2011, 96, 17009.	0.7	1
29	Josephson effect and spin-triplet pairing correlations in SF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>1</mml:mn></mml:msub></mml:math>F<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>S junctions. Physical Review B, 2011, 84, .	1.1	51
30	Magnetic-coupling-dependent spin-triplet supercurrents in helimagnet/ferromagnet Josephson junctions. Physical Review B, 2011, 84, .	1.1	41
31	Hysteretic magnetic pinning and reversible resistance switching in high-temperature superconductor/ferromagnet multilayers. Physical Review B, 2011, 84, .	1.1	18
32	Spin-memory loss at Co/Ru interfaces. Physical Review B, 2011, 84, .	1.1	18
33	Inducing Odd-Frequency Triplet Superconducting Correlations in a Normal Metal. Physical Review Letters, 2011, 107, 177001.	2.9	29
34	Magnetic inhomogeneities and spin reorientation dependent magnetoresistance in HoNi5 thin films. Journal of Applied Physics, 2011, 109, .	1.1	3
35	Spin-triplet supercurrent in Co-based Josephson junctions. Superconductor Science and Technology, 2011, 24, 024005.	1.8	37
36	Evaluation of Spin-Triplet Superconductivity in Sr₂RuO₄. Journal of the Physical Society of Japan, 2012, 81, 011009.	0.7	439

#	Article	IF	Citations
37	Critical current measurements in superconductor-ferromagnet-superconductor junctions of YBa<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>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Ma	1.1	5
38	Signature of the long range triplet proximity effect in the density of states. Physical Review B, 2012, 85, .	1.1	16
39	Reentrant Superconducting Phase in Conical-Ferromagnetâ€“Superconductor Nanostructures. Physical Review Letters, 2012, 108, 117005.	2.9	28
40	Spin-flip scattering and critical currents in ballistic half-metallicd-wave Josephson junctions. Physical Review B, 2012, 85, .	1.1	22
41	Josephson-like spin current in junctions composed of antiferromagnets and ferromagnets. Physical Review B, 2012, 85, .	1.1	13
42	A spin triplet supercurrent in half metal ferromagnet/superconductor junctions with the interfacial Rashba spin-orbit coupling. Applied Physics Letters, 2012, 101, 062601.	1.5	27
43	Anomalous surface impedance in a normal-metal/superconductor junction with a spin-active interface. Physical Review B, 2012, 86, .	1.1	7
44	Proximity effects in conical-ferromagnet/superconductor bilayers. Physical Review B, 2012, 86, .	1.1	24
45	Equal-spin Andreev reflection in ferromagnet/superconductor junctions with the interfacial Rashba spin-orbit coupling. Europhysics Letters, 2012, 100, 17012.	0.7	17
46	Area-dependence of spin-triplet supercurrent in ferromagnetic Josephson junctions. Physical Review B, 2012, 85, .	1.1	26
47	Evidence for anisotropic triplet superconductor order parameter in half-metallic ferromagnetic La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub></mml:math>Mn<mml:math xmlns:mm	1.1	54
48	Josephson junctions incorporating a conical magnetic holmium interlayer. Physical Review B, 2012, 85, .	1.1	32
49	Long range supercurrents in ferromagnetic CrO₂ using a multilayer contact structure. Applied Physics Letters, 2012, 100, 052602.	1.5	79
50	Area-dependence of spin-triplet supercurrent in ferromagnetic Josephson junctions. Journal of Physics: Conference Series, 2012, 400, 022131.	0.3	0
51	Symmetry and Topology in Superconductors â€“Odd-Frequency Pairing and Edge Statesâ€“. Journal of the Physical Society of Japan, 2012, 81, 011013.	0.7	453
52	Electronic transport through ferromagnetic and superconducting junctions with spin-filter tunneling barriers. Physical Review B, 2012, 86, .	1.1	61
53	Spin-triplet supercurrent in Co/Ni multilayer Josephson junctions with perpendicular anisotropy. Physical Review B, 2012, 86, .	1.1	38
54	Interference Phenomena and Long-Range Proximity Effect in Clean Superconductor-Ferromagnet Systems. Physical Review Letters, 2012, 109, 237006.	2.9	45

#	Article	IF	Citations
55	Spin-Transfer and Exchange Torques in Ferromagnetic Superconductors. Physical Review Letters, 2012, 109, 237206.	2.9	20
56	Supercurrent enhancement in Bloch domain walls. Scientific Reports, 2012, 2, 699.	1.6	46
57	Optimization of Spin-Triplet Supercurrent in Ferromagnetic Josephson Junctions. Physical Review Letters, 2012, 108, 127002.	2.9	117
58	Vanishing Meissner effect as a Hallmark of inâ€“Plane Fulde-Ferrell-Larkin-Ovchinnikov Instability in Superconductorâ€“Ferromagnet Layered Systems. Physical Review Letters, 2012, 109, 237002.	2.9	57
59	Spinâ€“triplet current in half metal/conical helimagnet/superconductor heterojunctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2435-2441.	0.9	14
60	Spin-polarized Josephson and quasiparticle currents in superconducting spin-filter tunnel junctions. Physical Review B, 2012, 86, .	1.1	31
61	Nonlinear dynamics in a magnetic Josephson junction. Physical Review B, 2012, 86, .	1.1	9
62	Magnon mechanism of Josephson coupling in superconductor-ferromagnet-superconductor structures. JETP Letters, 2012, 96, 467-470.	0.4	1
63	Instability of exchange bias induced by an overlaid superconductor tab in antiferromagneterromagnet bilayers. Applied Physics Letters, 2012, 100, 242602.	1.5	2
64	Magnetic moment manipulation by triplet Josephson current. Applied Physics Letters, 2012, 101, .	1.5	35
65	Domain structure and magnetic pinning in ferromagnetic/superconducting hybrids. Physical Review B, 2012, 85, .	1.1	21
66	Observation of Andreev Bound States at Spin-active Interfaces. Physical Review Letters, 2012, 109, 087004.	2.9	34
67	Theory of Proximity Effect in Ferromagnet/Superconductor Heterostructures in the Presence of Spin Dependent Interfacial Phase Shift. Japanese Journal of Applied Physics, 2012, 51, 010108.	0.8	3
68	Long-Range Proximity Effect for Opposite-Spin Pairs in Superconductor-Ferromagnet Heterostructures Under Nonequilibrium Quasiparticle Distribution. Physical Review Letters, 2012, 108, 197002.	2.9	21
69	Quasiparticle relaxation mechanisms in superconductor/ferromagnet bilayers. Journal of Physics Condensed Matter, 2012, 24, 083201.	0.7	14
70	Electron cooling in diffusive normal metalâ€“superconductor tunnel junctions with a spin-valve ferromagnetic interlayer. Physical Review B, 2012, 85, .	1.1	21
71	Proximity effects and triplet correlations in ferromagnet/ferromagnet/superconductor nanostructures. Physical Review B, 2012, 86, .	1.1	39
72	Evidence for Triplet Superconductivity in a Superconductor-Ferromagnet Spin Valve. Physical Review Letters, 2012, 109, 057005.	2.9	163

#	Article	IF	Citations
73	Equal-spin Andreev reflection and long-range coherent transport in high-temperature superconductor/half-metallic ferromagnet junctions. Nature Physics, 2012, 8, 539-543.	6.5	138
74	Non-planar spin texture driven dissipation in a ferromagnetâ€“superconductor bilayer. Physica C: Superconductivity and Its Applications, 2012, 472, 44-49.	0.6	3
76	Inverse proximity effect and influence of disorder on triplet supercurrents in strongly spin-polarized ferromagnets. Physical Review B, 2013, 88, .	1.1	26
77	Triplet superconducting correlations in oxide heterostructures with a composite ferromagnetic interlayer. JETP Letters, 2013, 97, 145-148.	0.4	16
78	Proximity effects in a spin-triplet superconductorâ€“ferromagnet heterostucture with a spin-active interface. Physical Review B, 2013, 88, .	1.1	17
79	Observation of tunnel magnetoresistance in a superconducting junction with Zeeman-split energy bands. Physical Review B, 2013, 88, .	1.1	17
80	Long-range triplet Josephson current modulated by the interface magnetization texture. Europhysics Letters, 2013, 104, 37003.	0.7	16
81	Spin-precession-induced currents through ferromagnet/nanomagnet/superconductor junctions. European Physical Journal B, 2013, 86, 1.	0.6	0
82	Andreev spectroscopy of CrO ₂ thin films on TiO ₂ and Al ₂ O ₃. Europhysics Letters, 2013, 103, 67005.	0.7	13
83	Topological superconductivity and Majorana fermions in hybrid structures involving cuprate high-Tcsuperconductors. Physical Review B, 2013, 87, .	1.1	26
84	Odd-frequency spin-triplet pairing states in half-metal/d-wave superconductor junctions. Solid State Communications, 2013, 161, 38-41.	0.9	1
85	Testing device and experimental investigation to influencing factors of Magnetorheological fluid. International Journal of Applied Electromagnetics and Mechanics, 2013, 43, 283-292.	0.3	7
86	Singlet-Triplet Conversion and the Long-Range Proximity Effect in Superconductor-Ferromagnet Structures with Generic Spin Dependent Fields. Physical Review Letters, 2013, 110, 117003.	2.9	139
87	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï†</mml:mi></mml:math>-state and inverted Fraunhofer pattern in nonaligned Josephson junctions. Physical Review B, 2013, 87, .	1.1	45
88	Field modulation of the critical current in magnetic Josephson junctions. Superconductor Science and Technology, 2013, 26, 055017.	1.8	16
89	Experimental observation of the triplet spin-valve effect in a superconductor-ferromagnet heterostructure. Physical Review B, 2013, 87, .	1.1	92
90	High bias anomaly in YBa<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>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	24
91	Spin-Polarized Electrons in Superconductor/Ferromagnet Hybrid Structures. Springer Tracts in Modern Physics, 2013, , 85-118.	0.1	3

#	Article	IF	Citations
92	Josephson Ï†-junctions based on structures with complex normal/ferromagnet bilayer. Superconductor Science and Technology, 2013, 26, 015005.	1.8	31
93	Long-Range Spin Current Driven by Superconducting Phase Difference in a Josephson Junction with Double Layer Ferromagnets. Physical Review Letters, 2013, 110, 237003.	2.9	14
94	Positive magnetoresistance induced by fan-type phases in a spin-spiral magnet. Physical Review B, 2013, 88, .	1.1	12
95	Nonmagnetic Sc Substitution in a Perovskite Ferromagnetic Insulator Pr0.8Ca0.2MnO3. Journal of the Physical Society of Japan, 2013, 82, 014801.	0.7	1
96	Mechanics Modeling upon Nano-MRM for Treatment of Intracranial Aneurysm. Advanced Materials Research, 0, 643, 135-138.	0.3	2
97	Stationary Josephson effect in a short multiterminal junction. Physical Review B, 2013, 87, .	1.1	9
98	Singlet-triplet superconducting quantum magnetometer. Physical Review B, 2013, 88, .	1.1	15
99	Nonlocal Thermoelectric Effects and Nonlocal Onsager relations in a Three-Terminal Proximity-Coupled Superconductor-Ferromagnet Device. Physical Review Letters, 2013, 110, 047002.	2.9	155
100	Superharmonic Long-Range Triplet Current in a Diffusive Josephson Junction. Physical Review Letters, 2013, 110, 217004.	2.9	45
101	Phase-dependent heat transport through magnetic Josephson tunnel junctions. Physical Review B, 2013, 88, .	1.1	18
102	Depth profile of the ferromagnetic order in a YBa<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>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	28
103	Robustness of Spin-Triplet Pairing and Singletâ€“Triplet Pairing Crossover in Superconductor/Ferromagnet Hybrids. Journal of the Physical Society of Japan, 2013, 82, 124702.	0.7	28
104	Vortex flipping in superconductor/ferromagnet spin-valve structures. Physical Review B, 2013, 87, .	1.1	6
105	Magnetic Response of Odd-Frequency<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-Wave Cooper Pairs in a Superfluid Proximity System. Physical Review Letters, 2013, 110, 175301.	2.9	22
106	Reentrant superconductivity in HoNi 5 -NbN-HoNi 5 nanostructures. Europhysics Letters, 2013, 103, 47013.	0.7	4
107	Supra-oscillatory critical temperature dependence of Nb-Ho bilayers. Europhysics Letters, 2013, 101, 37002.	0.7	31
108	SUPERCONDUCTIVITY-INDUCED PINNING EFFECT IN SUPERCONDUCTOR/MAGNETIC TUNNEL JUNCTIONS. Spin, 2013, 03, 1350006.	0.6	1
109	Superconducting spin valve and triplet superconductivity. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 1341-1347.	0.1	1

#	Article	IF	Citations
110	Interference phenomena and long-range proximity effect in superconductor/ferromagnet systems. Journal of Physics: Conference Series, 2014, 568, 022007.	0.3	0
111	Giant thermoelectric effects in a proximity-coupled superconductorâ€“ferromagnet device. New Journal of Physics, 2014, 16, 073002.	1.2	60
112	X-ray absorption spectroscopy study of the electronic and magnetic proximity effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:mo></mml:mo><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo></mml:mo><mml:mn>3</mml:mn></mml:mn.	1.1	11
113	Long-range triplet supercurrents induced by singlet supercurrents parallel to magnetic interfaces. Applied Physics Letters, 2014, 105, 202601.	1.5	6
114	Long range triplet Josephson current and 0â^'Ï€transitions in tunable domain walls. New Journal of Physics, 2014, 16, 093048.	1.2	13
115	Magnetic state controllable critical temperature in epitaxial Ho/Nb bilayers. APL Materials, 2014, 2, .	2.2	21
116	Unconventional superconductivity in double quantum dots. Physical Review B, 2014, 90, .	1.1	41
117	Triplet pair correlations and nonmonotonic supercurrent decay with Cr thickness in Nb/Cr/Fe/Nb Josephson devices. Physical Review B, 2014, 89, .	1.1	22
118	Evidence for spin-triplet superconducting correlations in metal-oxide heterostructures with noncollinear magnetization. Physical Review B, 2014, 90, .	1.1	36
119	Manifestation of a spin-splitting field in a thermally biased Josephson junction. Physical Review B, 2014, 89, .	1.1	12
120	Angular dependence of superconductivity in superconductor/spin-valve heterostructures. Physical Review B, 2014, 89, .	1.1	59
121	Long-Range Spin-Triplet Helix in Proximity Induced Superconductivity in Spin-Orbit-Coupled Systems. Physical Review Letters, 2014, 113, 227002.	2.9	23
122	Proximity-induced superconductivity in crystalline Cu and Co nanowires and nanogranular Co structures. Journal of Applied Physics, 2014, 116, .	1.1	20
123	Measurement of the spatial extent of inverse proximity in a Py/Nb/Py superconducting trilayer using low-energy muon-spin rotation. Physical Review B, 2014, 89, .	1.1	14
124	Anomalous spin-triplet current in Ho/Co/Ho-based Josephson junctions. Europhysics Letters, 2014, 105, 27007.	0.7	5
125	Dirty limit approach for the proximity effect between a two band superconductor and a ferromagnet. Superconductor Science and Technology, 2014, 27, 055020.	1.8	2
126	Proximity effect in superconductor/conical magnet/ferromagnet heterostructures. New Journal of Physics, 2014, 16, 055005.	1.2	15
127	Quasiclassical Eilenberger theory of the topological proximity effect in a superconducting nanowire. Physical Review B, 2014, 89, .	1.1	24

#	Article	IF	Citations
128	Evidence for spin selectivity of triplet pairs in superconducting spin valves. Nature Communications, 2014, 5, 3048.	5.8	74
129	Long-range superconducting proximity effect in polycrystalline Co nanowires. Applied Physics Letters, 2014, 104, .	1.5	34
130	Tunneling conductance and spin transport in clean ferromagnet/ferromagnet/superconductor heterostructures. Physical Review B, 2014, 90, .	1.1	18
131	Superconducting spintronics with magnetic domain walls. Physical Review B, 2014, 90, .	1.1	29
132	Reversible control of spin-polarized supercurrents in ferromagnetic Josephson junctions. Nature Communications, 2014, 5, 4771.	5.8	73
133	The interface between superconductivity and magnetism: understanding and device prospects. Journal of Physics Condensed Matter, 2014, 26, 453201.	0.7	101
134	Giant triplet proximity effect in superconducting pseudo spin valves with engineered anisotropy. Physical Review B, 2014, 89, .	1.1	84
135	Spin supercurrent, magnetization dynamics, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ït</mml:mi></mml:math>-state in spin-textured Josephson junctions. Physical Review B, 2014, 90, .	1.1	58
136	Use of Pdâ€“Fe and Niâ€“Feâ€“Nb as Soft Magnetic Layers in Ferromagnetic Josephson Junctions for Nonvolatile Cryogenic Memory. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-7.	1.1	40
137	Progress in the area of new energy-efficient basic elements for superconducting electronics. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2014, 69, 275-286.	0.1	4
138	Spin-polarized quasiparticle transport in exchange-split superconducting aluminum on europium sulfide. Physical Review B, 2014, 90, .	1.1	43
139	Spin-orbit coupling as a source of long-range triplet proximity effect in superconductor-ferromagnet hybrid structures. Physical Review B, 2014, 89, .	1.1	158
140	Supercurrents in half-metallic ferromagnetic La _{0.7} Ca _{0.3} MnO ₃. Europhysics Letters, 2014, 106, 37003.	0.7	22
141	Magnetic field dependence of the proximity-induced triplet superconductivity at ferromagnet/superconductor interfaces. Physical Review B, 2014, 89, .	1.1	36
142	Bistable state in superconductor/ferromagnet heterostructures. Physical Review B, 2014, 89, .	1.1	6
143	Spin-controlled coexistence of 0 and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mi>F</mml:mi><mml:mi>S</mml:mi></mml:mi junctions. Physical Review B, 2014, 89, .	1.1	33
144	Conductance spectroscopy in ferromagnetâ€“superconductor hybrids. Superconductor Science and Technology, 2014, 27, 075008.	1.8	4
145	Proximity effect in superconductor/conical magnet heterostructures. Journal of Physics Condensed Matter, 2014, 26, 274212.	0.7	6

#	Article	IF	Citations
146	Long-range triplet Josephson current driven by the bias voltage. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2263-2269.	0.9	0
147	Josephson magnetic rotary valve. Applied Physics Letters, 2014, 105, .	1.5	27
148	Hybrid superconducting mesa-heterostructure with manganite-ruthenate interlayer. Journal of Physics: Conference Series, 2014, 507, 042007.	0.3	0
149	Mesoscopic magnetism and superconductivity. MRS Bulletin, 2015, 40, 925-932.	1.7	7
150	Odd-frequency superconducting states with different types of Meissner response: Problem of coexistence. Physical Review B, 2015, 91, .	1.1	57
151	Superconducting spin-valve effect and triplet superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mo>/</mml:mo><mml:mtext>Fe1</mml:mtext><mml:mo Physical Review B, 2015, 91, .	1.1	38
152	Critical temperature and tunneling spectroscopy of superconductor-ferromagnet hybrids with intrinsic Rashba-Dresselhaus spin-orbit coupling. Physical Review B, 2015, 92, .	1.1	78
153	Magnetization induced by odd-frequency spin-triplet Cooper pairs in a Josephson junction with metallic trilayers. Physical Review B, 2015, 92, .	1.1	12
154	Inverse proximity effect at superconductor-ferromagnet interfaces: Evidence for induced triplet pairing in the superconductor. Physical Review B, 2015, 92, .	1.1	54
155	Josephson effect through magnetic skyrmions. Physical Review B, 2015, 92, .	1.1	19
156	Signatures of odd-frequency correlations in the Josephson current of superconductor/ferromagnet hybrid junctions. Physical Review B, 2015, 92, .	1.1	10
157	Anomalous Josephson Hall effect in magnet/triplet superconductor junctions. Physical Review B, 2015, 92, .	1.1	6
158	Charge and spin currents in ferromagnetic Josephson junctions. Physical Review B, 2015, 92, .	1.1	37
159	Nematic versus ferromagnetic spin filtering of triplet Cooper pairs in superconducting spintronics. Physical Review B, 2015, 92, .	1.1	36
160	Triplet proximity effect in superconducting heterostructures with a half-metallic layer. Physical Review B, 2015, 92, .	1.1	56
161	Chirality and spin transformation of triplet Cooper pairs upon interaction with singlet condensate. Physical Review B, 2015, 92, .	1.1	18
162	Spectral properties of superconductors with ferromagnetically ordered magnetic impurities. Physical Review B, 2015, 92, .	1.1	2
163	Large Superconducting Spin Valve Effect and Ultrasmall Exchange Splitting in Epitaxial Rare-Earth-Niobium Trilayers. Physical Review Letters, 2015, 115, 067201.	2.9	42

#	Article	IF	Citations
164	Giant triplet proximity effect inÏ€-biased Josephson junctions with spin-orbit coupling. Physical Review B, 2015, 92, .	1.1	36
165	Theory of the spin-galvanic effect and the anomalous phase shift<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Ï†</mml:mi><mml:mn>0</mml:mn></mml:msub></mml superconductors and Josephson junctions with intrinsic spin-orbit coupling. Physical Review B, 2015, 92, .	1.1	119
166	Strong odd-frequency correlations in fully gapped Zeeman-split superconductors. Scientific Reports, 2015, 5, 15483.	1.6	21
167	Stimulation of a Singlet Superconductivity in SFS Weak Links by Spinâ€“Exchange Scattering of Cooper Pairs. Scientific Reports, 2014, 4, 5671.	1.6	18
168	Preparation of a ferromagnetic barrier in YBa2Cu3O7â€“Î´ thinner than the coherence length. Journal of Applied Physics, 2015, 118, 223902.	1.1	4
169	Triplet superconductivity in oxide ferromagnetic interlayer of mesa-structure. Journal of Physics: Conference Series, 2015, 592, 012136.	0.3	0
170	Colossal Proximity Effect in a Superconducting Triplet Spin Valve Based on the Half-Metallic Ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review X, 2015, 5, .	2.8	91
171	A diagrammatic approach to triplet supercurrents in ferromagnetic Josephson junctions. European Physical Journal B, 2015, 88, 1.	0.6	2
172	Mesoscopic Josephson junctions with switchable current-phase relation. Europhysics Letters, 2015, 112, 17013.	0.7	5
173	Proximity effect in multilayer structures with alternating ferromagnetic and normal layers. JETP Letters, 2015, 102, 586-593.	0.4	16
174	Intrinsic Paramagnetic Meissner Effect Due to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>-Wave Odd-Frequency Superconductivity. Physical Review X, 2015, 5, .	2.8	86
175	Spin supercurrent and phase-tunable triplet Cooper pairs via magnetic insulators. Physical Review B, 2015, 92, .	1.1	17
176	Spin-flipping with Holmium: case study of proximity effect in superconductor/ferromagnet/superconductor heterostructures. Philosophical Magazine, 2015, 95, 441-450.	0.7	2
177	Peculiar long-range supercurrent in superconductor-ferromagnet-superconductor junction containing a noncollinear magnetic domain in the ferromagnetic region. Journal of Applied Physics, 2015, 117, 023903.	1.1	2
178	Spin Andreev-like Reflection in Metal-Mott Insulator Heterostructures. Physical Review Letters, 2015, 114, 066401.	2.9	4
179	Controlled suppression of superconductivity by the generation of polarized Cooper pairs in spin-valve structures. Physical Review B, 2015, 91, .	1.1	62
180	Antidepressant actions of ketamine: from molecular mechanisms to clinical practice. Current Opinion in Neurobiology, 2015, 30, 139-143.	2.0	123
181	Spin-triplet electron transport in hybrid superconductor heterostructures with a composite ferromagnetic interlayer. Journal of Experimental and Theoretical Physics, 2015, 120, 1024-1033.	0.2	5

#	Article	IF	Citations
182	Magnetic field influence on the proximity effect atYBa2Cu3O7/La2/3Ca1/3MnO3superconductor/half-metal interfaces. Physical Review B, 2015, 92, .	1.1	11
183	Spin-flop transition driven by competing magnetoelastic anisotropy terms in a spin-spiral antiferromagnet. Physical Review B, 2015, 91, .	1.1	1
184	Macroscopic quantum tunnelling in spin filter ferromagnetic Josephson junctions. Nature Communications, 2015, 6, 7376.	5.8	44
185	Triplet superconductivity and proximity effect induced by Bloch and NÃ©el domain walls. Superconductor Science and Technology, 2015, 28, 085015.	1.8	6
186	Spontaneous edge accumulation of spin currents in finite-size two-dimensional diffusive spinâ€“orbit coupledSFSheterostructures. New Journal of Physics, 2015, 17, 033001.	1.2	53
187	Long-Range Spin Accumulation from Heat Injection in Mesoscopic Superconductors with Zeeman Splitting. Physical Review Letters, 2015, 114, 167002.	2.9	39
188	Detection of small exchange fields in S/F structures. Journal of Magnetism and Magnetic Materials, 2015, 383, 175-179.	1.0	10
189	Superconducting Proximity Effect in Crystalline Co and Cu Nanowires. Journal of Superconductivity and Novel Magnetism, 2015, 28, 431-436.	0.8	7
190	Quasiparticle-mediated spin Hall effect inÂaÂsuperconductor. Nature Materials, 2015, 14, 675-678.	13.3	82
191	Critical current of SF-NFS Josephson junctions. JETP Letters, 2015, 101, 240-246.	0.4	10
192	Superconducting spintronics. Nature Physics, 2015, 11, 307-315.	6.5	826
193	Spin-polarized supercurrents for spintronics: a review of current progress. Reports on Progress in Physics, 2015, 78, 104501.	8.1	413
194	Proximity induced vortices and long-range triplet supercurrents in ferromagnetic Josephson junctions and spin valves. Journal of Applied Physics, 2015, 117, 123906.	1.1	39
195	Signature of magnetic-dependent gapless odd frequency states at superconductor/ferromagnet interfaces. Nature Communications, 2015, 6, 8053.	5.8	113
196	Ferromagnetic SrRuO₃ thin-film deposition on a spin-triplet superconductor Sr₂RuO₄ with a highly conducting interface. Applied Physics Express, 2015, 8, 015502.	1.1	15
197	Nonlinear thermoelectric effects in high-field superconductor-ferromagnet tunnel junctions. Beilstein Journal of Nanotechnology, 2016, 7, 1579-1585.	1.5	26
198	Electric control of superconducting transition through a spin-orbit coupled interface. Scientific Reports, 2016, 6, 29312.	1.6	18
199	Ballistic Josephson junctions in the presence of generic spin dependent fields. Physical Review B, 2016, 94, .	1.1	17

#	Article	IF	Citations
200	Encoding Magnetic States in Monopoleâ€Like Configurations Using Superconducting Dots. Advanced Science, 2016, 3, 1600207.	5.6	12
201	Long-range superharmonic Josephson current and spin-triplet pairing correlations in a junction with ferromagnetic bilayers. Scientific Reports, 2016, 6, 21308.	1.6	8
202	Controlling superconducting spin flow with spin-flip immunity using a single homogeneous ferromagnet. Scientific Reports, 2016, 6, 23926.	1.6	44
204	Superconducting proximity effect in NiBi3-Ni-NiBi3 trilayer system with sharp superconductor-ferromagnet boundaries. Journal of Applied Physics, 2016, 119, .	1.1	12
205	Magnetic proximity effect and superconducting triplet correlations at the cuprate superconductor and oxide spin valve interface. Low Temperature Physics, 2016, 42, 873-883.	0.2	2
206	Observation of Thermoelectric Currents in High-Field Superconductor-Ferromagnet Tunnel Junctions. Physical Review Letters, 2016, 116, 097001.	2.9	107
207	Tunneling conductance through the half-metal/conical magnet/superconductor junctions in the adiabatic and non-adiabatic regimes: Self-consistent calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 466-476.	1.3	0
208	Classification of magnetic inhomogeneities and0â^'Ï€transitions in superconducting-magnetic hybrid structures. Physical Review B, 2016, 94, .	1.1	4
209	Long-range supercurrents induced by the interference effect of opposite-spin triplet state in clean superconductor-ferromagnet structures. Materials Research Express, 2016, 3, 076003.	0.8	0
210	Triplet generation and upper critical field in superconducting spin valves based onCrO2. Physical Review B, 2016, 94, .	1.1	12
211	Giant Mesoscopic Fluctuations and Long-Range Superconducting Correlations in Superconductor-Ferromagnet Structures. Physical Review Letters, 2016, 117, 077001.	2.9	9
212	Injection of nonequilibrium quasiparticles into Zeeman-split superconductors: A way to create long-range spin imbalance. Physical Review B, 2016, 93, .	1.1	20
213	Josephson effect in multiterminal superconductor-ferromagnet junctions coupled via triplet components. Physical Review B, 2016, 93, .	1.1	3
214	Amplitude Control of the Spin-Triplet Supercurrent in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>F</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>S</mml:mi></mml:mrow></mml:math>Josephson Junctions. Physical Review Letters, 2016, 116, 077001.	2.9	45
215	Josephson current in a normal-metal nanowire coupled to a superconductor/ferromagnet/superconductor junction. Physical Review B, 2016, 93, .	1.1	9
216	Intrinsic spin-orbit interaction in diffusive normal wire Josephson weak links: Supercurrent and density of states. Physical Review B, 2016, 93, .	1.1	14
217	High-Quality <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Nanowires for Dissipation-less Spintronics. Physical Review X, 2016, 6, .	2.8	22
218	Superconducting coupling across a spin-filtering manganite tunnel barrier with magnetic disorder. Europhysics Letters, 2016, 115, 67005.	0.7	0

#	Article	IF	Citations
219	Direct penetration of spin-triplet superconductivity into a ferromagnet in Au/SrRuO3/Sr2RuO4 junctions. Nature Communications, 2016, 7, 13220.	5.8	46
220	Magnetic Phases of Sputter Deposited Thin-Film Erbium. Scientific Reports, 2016, 6, 39021.	1.6	3
221	Spin manipulation in nanoscale superconductors. Journal of Physics Condensed Matter, 2016, 28, 163001.	0.7	35
222	Spin-triplet superconducting current in metal-oxide heterostructures with composite ferromagnetic interlayer. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	0
223	Remotely induced magnetism in a normal metal using a superconducting spin-valve. Nature Physics, 2016, 12, 57-61.	6.5	55
224	Spin Seebeck effect and thermoelectric phenomena in superconducting hybrids with magnetic textures or spin-orbit coupling. Scientific Reports, 2017, 7, 41409.	1.6	17
225	Pure odd-frequency superconductivity at the cores of proximity vortices. Physical Review B, 2017, 95, .	1.1	27
226	Long-range proximity effect in Nb-based heterostructures induced by a magnetically inhomogeneous permalloy layer. New Journal of Physics, 2017, 19, 023037.	1.2	9
227	Coexistence of tunneling magnetoresistance and Josephson effects in SFIFS junctions. AIP Advances, 2017, 7, 025008.	0.6	5
228	Majorana zero modes in spintronics devices. Physical Review B, 2017, 95, .	1.1	11
229	Spectroscopic evidence of odd frequency superconducting order. Scientific Reports, 2017, 7, 40604.	1.6	20
230	Unconventional superconductivity from magnetism in transition-metal dichalcogenides. Physical Review B, 2017, 95, .	1.1	20
231	Molecule-Confined Engineering toward Superconductivity and Ferromagnetism in Two-Dimensional Superlattice. Journal of the American Chemical Society, 2017, 139, 16398-16404.	6.6	54
232	Superconducting spin valves controlled by spiral re-orientation in B20-family magnets. Applied Physics Letters, 2017, 111, .	1.5	23
233	Nonlocal Andreev entanglements and triplet correlations in graphene with spin-orbit coupling. Physical Review B, 2017, 96, .	1.1	47
234	Thermospin effects in superconducting heterostructures. Physical Review B, 2017, 96, .	1.1	12
235	Quantum kinetic equations and anomalous nonequilibrium Cooper-pair spin accumulation in Rashba wires with Zeeman splitting. Physical Review B, 2017, 96, .	1.1	2
236	Adiabatic and nonadiabatic spin torques induced by a spin-triplet supercurrent. Physical Review B, 2017, 96, .	1.1	10

#	Article	IF	Citations
237	Magnetization Control and Transfer of Spin-Polarized Cooper Pairs into a Half-Metal Manganite. Physical Review Applied, 2017, 8, .	1.5	45
238	Odd-Frequency Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Measured by Kerr Rotation. Physical Review Letters, 2017, 119, 087001.	2.9	49
239	Out of plane superconducting Nb/Cu/Ni/Cu/Co triplet spin-valves. Applied Physics Letters, 2017, 111, .	1.5	17
240	Odd-triplet superconductivity in single-level quantum dots. Physical Review B, 2017, 96, .	1.1	13
241	Conservation of spin supercurrents in superconductors. Physical Review B, 2017, 96, .	1.1	12
242	Control of Superconductivity with a Single Ferromagnetic Layer in Niobium/Erbium Bilayers. Physical Review Applied, 2017, 7, .	1.5	11
243	Signatures of the spin-triplet current in a Josephson spin valve: A micromagnetic analysis. Physical Review B, 2017, 96, .	1.1	10
244	Static and dynamic properties of Josephson weak links with singlet and triplet coupling. Physical Review B, 2017, 96, .	1.1	3
245	Anomalous current in diffusive ferromagnetic Josephson junctions. Physical Review B, 2017, 95, .	1.1	58
246	Theoretical Study of Magnetism Induced by Proximity Effect in a Ferromagnetic Josephson Junction with a Normal Metal. Journal of the Physical Society of Japan, 2017, 86, 094702.	0.7	2
247	Magnetoelectric coupling in superconductor-helimagnet heterostructures. Physical Review B, 2017, 95, .	1.1	13
248	Continuously tuneable critical current in superconductor-ferromagnet multilayers. Applied Physics Letters, 2017, 110, 262601.	1.5	7
249	Thermoelectric effects in superconductor-ferromagnet tunnel junctions on europium sulfide. Physical Review B, 2017, 95, .	1.1	44
250	Low temperature properties of spin filter NbN/GdN/NbN Josephson junctions. Physica C: Superconductivity and Its Applications, 2017, 533, 53-58.	0.6	4
251	Magnetic properties of superconducting Bi/Ni bilayers. Journal of Magnetism and Magnetic Materials, 2017, 422, 73-76.	1.0	17
252	Superconducting exchange coupling between ferromagnets. Nature Materials, 2017, 16, 195-199.	13.3	61
253	Spin-triplet supercurrent in Josephson junctions containing a synthetic antiferromagnet with perpendicular magnetic anisotropy. Physical Review B, 2017, 96, .	1.1	16
254	Suppressed ${{B}}_{c2}$ in a superconducting/ferromagnetic bilayer. Journal of Physics Communications, 2017, 1, 035008.	0.5	1

#	Article	IF	Citations
255	Screening properties of multiply connected ferromagnetâ€“superconductor hybrid structures. Journal of Experimental and Theoretical Physics, 2017, 125, 298-309.	0.2	7
256	Superconducting spin-valve and triplet superconductivity. JETP Letters, 2017, 106, 57-67.	0.4	5
257	14. Spin-orbit interactions, spin currents, and magnetization dynamics in superconductor/ferromagnet hybrids. , 2017, , 441-472.		0
258	15. Superconductor/ferromagnet hybrids. , 2017, , 473-486.		0
259	Generation and control of noncollinear magnetism by supercurrent. Physical Review B, 2018, 97, .	1.1	0
260	Tunable superconducting critical temperature in ballistic hybrid structures with strong spin-orbit coupling. Physical Review B, 2018, 97, .	1.1	8
261	Proximity effects across oxide-interfaces of superconductor-insulator-ferromagnet hybrid heterostructure. Scientific Reports, 2018, 8, 3732.	1.6	23
262	Yu-Shiba-Rusinov bands in superconductors in contact with a magnetic insulator. Journal of Magnetism and Magnetic Materials, 2018, 459, 276-279.	1.0	4
263	Equal-Spin Andreev Reflection on Junctions of Spin-Resolved Quantum Hall Bulk State and Spin-Singlet Superconductor. Scientific Reports, 2018, 8, 3454.	1.6	9
264	Proximity-Induced Superconductivity in a Ferromagnetic Semiconductor (In,Fe)As. Journal of Physics: Conference Series, 2018, 969, 012036.	0.3	4
265	Phase separation and proximity effects in itinerant ferromagnet/superconductor heterostructures. Physical Review B, 2018, 98, .	1.1	0
266	Superconducting Spin Valves Based on Spiral Magnets. Physics of the Solid State, 2018, 60, 2237-2243.	0.2	4
267	Creation of equal-spin triplet superconductivity at the Al/EuS interface. Nature Communications, 2018, 9, 5248.	5.8	39
268	Magnetism induced by nonlocal spin-entangled electrons in a superconducting spin-valve. New Journal of Physics, 2018, 20, 123024.	1.2	1
269	Unconventional order parameter induced by helical chiral molecules adsorbed on a metal proximity coupled to a superconductor. Physical Review B, 2018, 98, .	1.1	19
270	Odd-frequency superconductivity revealed by thermopower. Physical Review B, 2018, 98, .	1.1	17
271	Electrodynamics of Josephson junctions containing strong ferromagnets. Physical Review B, 2018, 98, .	1.1	16
272	Spin transport in half-metallic ferromagnet-superconductor junctions. Physical Review B, 2018, 98, .	1.1	15

#	Article	IF	Citations
273	Interorbital topological superconductivity in spin-orbit coupled superconductors with inversion symmetry breaking. Physical Review B, 2018, 97, .	1.1	29
274	Controlling the superconducting transition by spin-orbit coupling. Physical Review B, 2018, 97, .	1.1	45
275	Magnetization Reversal by Tuning Rashba Spinâ€“Orbit Interaction and Josephson Phase in a Ferromagnetic Josephson Junction. Journal of the Physical Society of Japan, 2018, 87, 074707.	0.7	10
276	Role of canting and depleted-triplet minima in superconducting spin valve structures. Physical Review B, 2018, 97, .	1.1	2
277	What can Andreev bound states tell us about superconductors?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20140143.	1.6	5
278	Spin-triplet supercurrents in Josephson junctions containing strong ferromagnetic materials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20150150.	1.6	27
279	Superconducting Triplet Proximity and Josephson Spin Valves. Nanoscience and Technology, 2018, , 31-47.	1.5	5
280	Magnetic Proximity Effect and Superconducting Triplet Correlations at the Heterostructure of Cuprate Superconductor and Oxide Spin Valve. Nanoscience and Technology, 2018, , 73-90.	1.5	0
281	Phase control in a spin-triplet SQUID. Science Advances, 2018, 4, eaat9457.	4.7	30
282	Spin torques and magnetic texture dynamics driven by the supercurrent in superconductor/ferromagnet structures. Physical Review B, 2018, 98, .	1.1	29
283	Possible Evidence for Spin-Transfer Torque Induced by Spin-Triplet Supercurrents. Chinese Physics Letters, 2018, 35, 077401.	1.3	26
284	Thermally Assisted Superconductor Transistors for Josephson-CMOS Hybrid Memories. IEICE Transactions on Electronics, 2018, E101.C, 370-377.	0.3	4
285	Current phase relation from graphs and diagrams and application to thick ferromagnetic Josephson junctions. Journal of Physics Condensed Matter, 2018, 30, 195303.	0.7	0
286	Magnetic Exchange Fields and Domain Wall Superconductivity at an All-Oxide Superconductor-Ferromagnet Insulator Interface. Physical Review Letters, 2018, 121, 077003.	2.9	11
287	Interface Engineering and Emergent Phenomena in Oxide Heterostructures. Advanced Materials, 2018, 30, e1802439.	11.1	118
288	Probe of spin dynamics in superconducting NbN thin films via spin pumping. Physical Review B, 2018, 97, .	1.1	49
289	Supercurrent in ferromagnetic Josephson junctions with heavy metal interlayers. Physical Review B, 2018, 97, .	1.1	39
290	Supercurrent in ferromagnetic Josephson junctions with heavy-metal interlayers. II. Canted magnetization. Physical Review B, 2019, 99, .	1.1	17

#	Article	IF	Citations
291	Long-range triplet proximity effect in multiply connected ferromagnet-superconductor hybrids. Physical Review B, 2019, 100, .	1.1	9
292	Observation of superconducting gap spectra of long-range proximity effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mm tunnel junctions. Physical Review B, 2019, 100, .	1.1	8
293	Spectroscopic and optical response of odd-frequency superconductors. Physical Review B, 2019, 100, .	1.1	6
294	Resistive State of Superconductor-Ferromagnet-Superconductor Josephson Junctions in the Presence of Moving Domain Walls. Physical Review Letters, 2019, 123, 207001.	2.9	23
295	Anomalous anisotropic behaviour of spin-triplet proximity effect in Au/SrRuO3/Sr2RuO4 junctions. Scientific Reports, 2019, 9, 15827.	1.6	2
296	Manifestation of the electromagnetic proximity effect in superconductor-ferromagnet thin film structures. Applied Physics Letters, 2019, 115, .	1.5	18
297	Proximity effect in a ferromagnetic semiconductor with spin-orbit interactions. Physical Review B, 2019, 100, .	1.1	4
298	Proximity effect in superconducting heterostructures with strong spin-orbit coupling and spin splitting. Physical Review B, 2019, 100, .	1.1	5
299	Controlling spin supercurrents via nonequilibrium spin injection. Scientific Reports, 2019, 9, 12731.	1.6	7
300	Thermal, electric and spin transport in superconductor/ferromagnetic-insulator structures. Progress in Surface Science, 2019, 94, 100540.	3.8	64
301	Effect of Meissner Screening and Trapped Magnetic Flux on Magnetization Dynamics in Thick <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Nb</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi>Ni</mml:mi><mml:mn>80</mml:mn></mml:ms Trilayers. Physical Review Applied, 2019, 11, .	1.5	44
302	Tuning of Magnetic Activity in Spin-Filter Josephson Junctions Towards Spin-Triplet Transport. Physical Review Letters, 2019, 122, 047002.	2.9	24
303	A first-principles investigation of spintronics of nitrophosphorene doped with 3d transition metals. Journal of Applied Physics, 2019, 125, 233902.	1.1	2
304	Memory functionality in superconductor/ferromagnet/superconductor junctions based on the high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:m cuprate superconductors <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></mml:m mathvariant="normal">...O</mml:mi><mml:mrow><mml:mn>7</mml:mn></mml:mrow><mml:mo>. Physical Review B, 2019,	1.1	6
305	Direct and inverse superspin Hall effect in two-dimensional systems: Electrical detection of spin supercurrents. Physical Review B, 2019, 99, .	1.1	6
306	Chirality-controlled spontaneous currents in spin-orbit coupled superconducting rings. Physical Review B, 2019, 99, .	1.1	14
307	Domain wall induced modulation of low field H-T phase diagram in patterned superconductor-ferromagnet stripes. AIP Advances, 2019, 9, .	0.6	6
308	Superconducting spin properties of Majorana nanowires and the associated spin-orbit coupling driven transverse supercurrent. Physical Review B, 2019, 99, .	1.1	3

#	Article	IF	Citations
309	Chiral molecules and the electron spin. Nature Reviews Chemistry, 2019, 3, 250-260.	13.8	462
310	Growth and Nanofabrication of All-Perovskite Superconducting/Ferromagnetic/Superconducting Junctions. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2721-2726.	0.8	2
311	Evidence for Spin-Triplet Electron Pairing in the Proximity-Induced Superconducting State of an Fe-Doped InAs Semiconductor. Physical Review Letters, 2019, 122, 107001.	2.9	11
312	Transition in a Magnetic Non-Collinear Spin-Flop State in a Fe/Pd/Gd/Pd Superlattice. JETP Letters, 2019, 109, 406-409.	0.4	5
313	Spin polarization and orbital effects in superconductor-ferromagnet structures. Physical Review B, 2019, 99, .	1.1	22
314	The Route to Supercurrent Transparent Ferromagnetic Barriers in Superconducting Matrix. ACS Nano, 2019, 13, 5655-5661.	7.3	4
315	Signatures of spin-triplet Cooper pairing in the density of states of spin-textured superconductor-ferromagnet bilayers. New Journal of Physics, 2019, 21, 043001.	1.2	3
316	Fraunhofer patterns in magnetic Josephson junctions with non-uniform magnetic susceptibility. Scientific Reports, 2019, 9, 5616.	1.6	12
317	Diffusion-controlled complex superconducting transition in (YBa2Cu3O7-Î´)0.9/(La2/3Sr1/3MnO3)0.1 core-shell composites. Journal of Alloys and Compounds, 2019, 786, 183-188.	2.8	0
318	Controlling the strength of ferromagnetic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	12
319	Superconducting vortices generated via spin-orbit coupling at superconductor/ferromagnet interfaces. Physical Review B, 2019, 100, .	1.1	9
320	Switchable Josephson current in junctions with spin-orbit coupling. Physical Review B, 2019, 100, .	1.1	11
321	Long-ranged triplet supercurrent in a single in-plane ferromagnet with spin-orbit coupled contacts to superconductors. Physical Review B, 2019, 100, .	1.1	12
322	Odd-frequency superconductivity. Reviews of Modern Physics, 2019, 91, .	16.4	134
323	Sudden magnetization drops in superconductor/ferromagnet bilayered structures. Superconductor Science and Technology, 2019, 32, 01LT02.	1.8	3
324	Generation of a superconducting vortex via NÃ©el skyrmions. Physical Review B, 2019, 99, .	1.1	29
325	Spin current as a probe of quantum materials. Nature Materials, 2020, 19, 139-152.	13.3	94
326	Electrical and thermal transport in antiferromagnet-superconductor junctions. Physical Review B, 2020, 102, .	1.1	18

#	Article	IF	Citations
327	Superconductivity-induced change in magnetic anisotropy in epitaxial ferromagnet-superconductor hybrids with spin-orbit interaction. Physical Review B, 2020, 102, .	1.1	23
328	Large Josephson current in Weyl nodal loop semimetals due to odd-frequency superconductivity. Npj Quantum Materials, 2020, 5, .	1.8	7
329	Spin accumulation induced by a singlet supercurrent. Physical Review B, 2020, 102, .	1.1	1
330	Spin-polarized triplet supercurrent in Josephson junctions with perpendicular ferromagnetic layers. Physical Review B, 2020, 102, .	1.1	9
331	Thermoelectricity carried by proximity-induced odd-frequency pairing in ferromagnet/superconductor junctions. Physical Review B, 2020, 102, .	1.1	9
332	Magnetization Dynamics in Proximity-Coupled Superconductor-Ferromagnet-Superconductor Multilayers. Physical Review Applied, 2020, 14, .	1.5	34
333	Odd triplet superconductivity induced by a moving condensate. Physical Review B, 2020, 102, .	1.1	11
334	Signatures of a long-range spin-triplet component in an Andreev interferometer. Physical Review B, 2020, 102, .	1.1	2
335	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. Advanced Materials, 2020, 32, e1907645.	11.1	25
336	Pair suppression caused by mosaic-twist defects in superconducting Sr2RuO4 thin-films prepared using pulsed laser deposition. Communications Materials, 2020, 1, .	2.9	6
337	Magnetic field tunable superconducting transition in Nb/Co/Py/Nb exchange spring multilayers. Applied Physics Letters, 2020, 116, 112601.	1.5	2
338	Electrodynamics of Highly Spin-Polarized Tunnel Josephson Junctions. Physical Review Applied, 2020, 13, .	1.5	17
339	Odd-frequency superconducting pairing in one-dimensional systems. European Physical Journal: Special Topics, 2020, 229, 545-575.	1.2	46
340	Spin-transport in superconductors. Applied Physics Letters, 2020, 116, .	1.5	23
341	Magneto-transport in La2/3Sr1/3MnO3/YBa2Cu3O7/Alq3/Co spin-valves. Europhysics Letters, 2020, 129, 37002.	0.7	1
342	Exploring the contribution of trapped magnetic flux on magnetization dynamics in thick Nb/Ni₈₀Fe₂₀/Nb trilayers. Applied Physics Express, 2020, 13, 033002.	1.1	6
343	Spin-valve Josephson junctions with perpendicular magnetic anisotropy for cryogenic memory. Applied Physics Letters, 2020, 116, 022601.	1.5	12
344	Anomalous currentâ€“voltage characteristics of SFIFS Josephson junctions with weak ferromagnetic interlayers. Beilstein Journal of Nanotechnology, 2020, 11, 252-262.	1.5	6

#	Article	IF	Citations
345	Interfacial Spin-Orbit Coupling: A Platform for Superconducting Spintronics. Physical Review Applied, 2020, 13, .	1.5	32
346	Superconductivity-driven negative interfacial magnetization in YBa2Cu3O7â^'Î'/SrTiO3/La0.67Sr0.33MnO3 heterostructures. Applied Physics Letters, 2020, 116, 022406.	1.5	3
347	Enhanced spin-triplet pairing in magnetic junctions with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -wave superconductors. Physical Review B, 2020, 101, .	1.1	17
348	The Potential of the Josephson Energy. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1629-1632.	0.8	0
349	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. Science Advances, 2021, 7, .	4.7	14
350	Cubic spin-orbit coupling and anomalous Josephson effect in planar junctions. Physical Review B, 2021, 103, .	1.1	54
351	Nanoscale Domain Wall Engineered Spin-Triplet Josephson Junctions and SQUID. Nano Letters, 2021, 21, 3092-3097.	4.5	13
352	Self-consistent solution for the magnetic exchange interaction mediated by a superconductor. Scientific Reports, 2021, 11, 5028.	1.6	4
353	Suppression of the superconducting proximity effect in ferromagnetic-superconducting oxide heterostructures with ion-irradiation. Journal of Applied Physics, 2021, 129, .	1.1	6
354	Boosting spintronics with superconductivity. APL Materials, 2021, 9, .	2.2	23
355	Ultrastrong photon-to-magnon coupling in multilayered heterostructures involving superconducting coherence via ferromagnetic layers. Science Advances, 2021, 7, .	4.7	36
356	Unconventional domain wall magnetoresistance of patterned Ni/Nb bilayer structures below superconducting transition temperature of Nb. Journal of Physics Condensed Matter, 2021, 33, 295803.	0.7	0
357	Superconducting spintronics: state of the art and prospects. Physics-Uspekhi, 2022, 65, 1248-1289.	0.8	6
359	In situ transport characterization of magnetic states in Nb/Co superconductor/ferromagnet heterostructures. Beilstein Journal of Nanotechnology, 2021, 12, 913-923.	1.5	3
360	Curvature-induced long-range supercurrents in diffusive superconductor-ferromagnet-superconductor Josephson junctions with a dynamic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>0</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>Ï€</mml transition. Physical Review B, 2021, 104, .	1.1	5
361	Meissner screening as a probe for inverse superconductor-ferromagnet proximity effects. Physical Review B, 2021, 104, .	1.1	5
362	Observation of a superconducting state of a topological superconductor candidate, FeTe_{0.6}Se_{0.4}, equipping ferromagnetic electrodes with perpendicular magnetic anisotropy. Applied Physics Express, 2021, 14, 093002.	1.1	1
363	Long-range supercurrents through a chiral non-collinear antiferromagnet in lateral Josephson junctions. Nature Materials, 2021, 20, 1358-1363.	13.3	25

#	Article	IF	Citations
364	Magnetic Josephson Junctions: New Phenomena and Physics with Diluted Alloy, Conventional Ferromagnet, and Multilayer Barriers. IEICE Transactions on Electronics, 2021, E104.C, 422-428.	0.3	2
365	A Review of Electronic Transport in Superconducting Sr2RuO4 Junctions. Coatings, 2021, 11, 1110.	1.2	2
366	Disorder-robust <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave pairing with odd-frequency dependence in normal metalâ€“conventional superconductor junctions. Physical Review B, 2021, 104, .	1.1	7
367	Anisotropic supercurrent due to inhomogeneous magnetization in ferromagnet/superconductor junctions. Physical Review B, 2021, 104, .	1.1	1
368	Superconductivity in spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:m systems: Symmetry classification, odd-frequency pairs, and Bogoliubov Fermi surfaces. Physical Review Research, 2021, 3, .	1.3	14
369	Half-integer Shapiro steps in strong ferromagnetic Josephson junctions. Physical Review B, 2021, 104, .	1.1	3
370	Phase Dynamics and Macroscopic Quantum Tunneling. Springer Series in Materials Science, 2019, , 455-512.	0.4	4
371	Superconductor/Ferromagnet Hybrids: Bilayers and Spin Switching. Nanoscience and Technology, 2010, , 323-347.	1.5	6
372	Odd-Frequency Pairing in Superconducting Heterostructures. Nanoscience and Technology, 2011, , 117-131.	1.5	1
373	Elastic and inelastic neutron scattering for the study of magnetic thin films and heterostructures. Ã‰cole ThÃ©matique De La SociÃ©tÃ© FranÃ§aise De La Neutronique, 2014, 13, 04002.	0.2	2
374	Coherent growth of oxide films on a cleaved layered metal oxide substrate. Physical Review Materials, 2018, 2, .	0.9	2
375	Distortions to the penetration depth and coherence length of superconductor/normal-metal superlattices. Physical Review Materials, 2020, 4, .	0.9	7
376	Observation of the dominant spin-triplet supercurrent in Josephson spin valves with strong Ni ferromagnets. Physical Review Research, 2020, 2, .	1.3	14
377	On-demand thermoelectric generation of equal-spin Cooper pairs. Physical Review Research, 2020, 2, .	1.3	18
378	Recent Progress in Ferromagnet/Superconductor Hybrid Structure and its Applications to Cryogenic Computing. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 728-733.	0.2	4
379	Theory of Proximity Effect in Ferromagnet/Superconductor Heterostructures in the Presence of Spin Dependent Interfacial Phase Shift. Japanese Journal of Applied Physics, 2012, 51, 010108.	0.8	1
380	Supercurrents in a topological antiferromagnet. Nature Materials, 2021, 20, 1306-1307.	13.3	0
381	Collective magnetic and plasma excitations in Josephson Ï^ junctions. Physical Review B, 2021, 104, .	1.1	4

#	Article	IF	Citations
382	Spontaneous magnetic field and odd-frequency pairing state in multiband superconductors. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 167401.	0.2	0
383	Josephson Junctions for Digital Applications. Springer Series in Materials Science, 2019, , 611-701.	0.4	3
384	Phase-controlled spin and charge currents in a superconductor-ferromagnet hybrid. Physical Review Research, 2020, 2, .	1.3	3
385	Spin injection and spin relaxation in odd-frequency superconductors. Physical Review B, 2021, 104, .	1.1	2
386	Thermoelectric detection of Andreev states in unconventional superconductors. Physical Review Research, 2020, 2, .	1.3	7
387	Superconducting triplet pairings and anisotropic magnetoresistance effects in ferromagnet/superconductor/ferromagnet double-barrier junctions. Physical Review B, 2021, 104, .	1.1	5
388	Magnon Spin Current Induced by Triplet Cooper Pair Supercurrents. Physical Review Letters, 2021, 127, 207001.	2.9	18
389	Long range and highly tunable interaction between local spins coupled to a superconducting condensate. Nature Communications, 2021, 12, 6722.	5.8	23
390	Local spin-triplet superconductivity in half-metallic manganites: A perspective platform for high-temperature topological superconductivity. Low Temperature Physics, 2021, 47, 901-907.	0.2	4
391	Extremely long-range, high-temperature Josephson coupling across a half-metallic ferromagnet. Nature Materials, 2022, 21, 188-194.	13.3	20
392	Coexistence and tuning of spin-singlet and triplet transport in spin-filter Josephson junctions. Communications Physics, 2022, 5, .	2.0	17
393	Anomalous Josephson effect. Physics-Uspekhi, 2022, 65, 317-354.	0.8	22
395	Singlet-triplet conversion by tuning Rashba spin-orbit interaction and superconducting phase difference in a Josephson junction. Physica C: Superconductivity and Its Applications, 2022, 592, 1354003.	0.6	0
396	Magnetization and spin resonances in helical spin systems. Journal of Applied Physics, 2022, 131, 053901.	1.1	5
397	Going beyond the Chandrasekhar-Clogston limit in a flatband superconductor. Physical Review B, 2022, 105, .	1.1	6
398	Quasiclassical boundary conditions for spin-orbit coupled interfaces with spin-charge conversion. Physical Review B, 2022, 105, .	1.1	5
399	Superconducting Triplet Rim Currents in a Spin-Textured Ferromagnetic Disk. Nano Letters, 2022, 22, 2209-2216.	4.5	7
400	Signatures of superconducting triplet pairing in Niâ€“Ga-bilayer junctions. New Journal of Physics, 2022, 24, 033046.	1.2	5

#	Article	IF	Citations
401	Coexistence of antiferromagnetism and superconductivity in Mn/Nb(110). Physical Review B, 2022, 105, .	1.1	12
402	Supercurrent-induced long-range triplet correlations and controllable Josephson effect in superconductor/ferromagnet hybrids with extrinsic spin-orbit coupling. Physical Review B, 2022, 105, .	1.1	3
403	Curvature control of the superconducting proximity effect in diffusive ferromagnetic nanowires. Physical Review B, 2022, 105, .	1.1	4
404	Transverse Magnetoresistance Induced by the Nonuniformity of Superconductor. Nanomaterials, 2022, 12, 1313.	1.9	0
406	Long-range superconducting proximity effect in nickel nanowires. Physical Review Research, 2022, 4, .	1.3	3
407	Proximity-induced superconducting gap in the intrinsic magnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2022, 105, .	1.1	2
408	Magnetoelectric effects in Josephson junctions. Journal of Physics Condensed Matter, 2022, 34, 353001.	0.7	11
409	Aluminum-ferromagnetic Josephson tunnel junctions for high quality magnetic switching devices. Applied Physics Letters, 2022, 120, .	1.5	6
410	Fluctuation-induced odd-frequency spin-triplet pairing in a disordered electron liquid. Physical Review B, 2022, 105, .	1.1	2
411	Aspects of long range spinâ€“triplet correlations in superconductor/ferromagnet hetero-structures. Superconductor Science and Technology, 2022, 35, 094004.	1.8	3
412	Experimental and theoretical study of field-dependent spin splitting at ferromagnetic insulatorâ€“superconductor interfaces. Beilstein Journal of Nanotechnology, 0, 13, 682-688.	1.5	1
413	Electronic materials with nanoscale curved geometries. Nature Electronics, 2022, 5, 551-563.	13.1	16
414	Anomalous supercurrent modulated by interfacial magnetizations in Josephson junctions with ferromagnetic bilayers. Physical Review B, 2022, 106, .	1.1	4
415	Superconductor/Ferromagnet Heterostructures: A Platform for Superconducting Spintronics and Quantum Computation. Advanced Quantum Technologies, 2023, 6, .	1.8	12
416	Singlet and triplet Cooper pair splitting in hybrid superconducting nanowires. Nature, 2022, 612, 448-453.	13.7	26
417	Density of states in the presence of spin-dependent scattering in SF bilayers: a numerical and analytical approach. Beilstein Journal of Nanotechnology, 0, 13, 1418-1431.	1.5	2
418	Magnon-cooparons in magnet-superconductor hybrids. Communications Materials, 2022, 3, .	2.9	7
419	Effective quasiclassical models for odd-frequency superconductivity: Energy-inversion symmetry, preserved spectral weight, and Meissner response. Physical Review B, 2022, 106, .	1.1	0

#	Article	IF	Citations
420	Triplet odd-frequency superconductivity in hybrid superconductorâ€“ferromagnet structures. Annals of Physics, 2023, 456, 169232.	1.0	1
421	Long-range skin Josephson supercurrent across a van der Waals ferromagnet. Nature Communications, 2023, 14, .	5.8	5
422	Unconventional long range triplet proximity effect inplanarYBa2Cu3O7/ La0.7Sr0.3MnO3 / YBa2Cu3O7Josephson junctions. Superconductor Science and Technology, 0, , .	1.8	0
423	Generation of polarized spin-triplet Cooper pairings by magnetic barriers in superconducting junctions. Physical Review B, 2023, 107, .	1.1	1
424	Scanning SQUID Imaging of Reduced Superconductivity Due to the Effect of Chiral Molecule Islands Adsorbed on Nb. Advanced Materials Interfaces, 2023, 10, .	1.9	1
426	Magnetization Dynamics in Proximity-Coupled Superconductor-Ferromagnet-Superconductor Multilayers. II. ThicknessÂDependence of the Superconducting Torque. Physical Review Applied, 2023, 19, .	1.5	5
427	Rashba spin-orbit coupling enhanced magnetoresistance in junctions with one ferromagnet. Physical Review B, 2023, 107, .	1.1	0
428	Superconductor-ferromagnet hybrid structures. , 2023, , .		0
429	Direct observation of a superconducting vortex diode. Nature Communications, 2023, 14, .	5.8	10
430	Magnetic Field Enhancement in Critical Current and Possible Triplet Superconductivity in LSMO/YBCO/LSMO Heterostructures. Journal of Physical Chemistry C, 2023, 127, 6861-6872.	1.5	3
431	The unusual distribution of spin-triplet supercurrents in disk-shaped Josephson junctions. Superconductor Science and Technology, 2023, 36, 064001.	1.8	0
432	Chiral antiferromagnetic Josephson junctions as spin-triplet supercurrent spin valves and d.c. SQUIDs. Nature Nanotechnology, 2023, 18, 747-753.	15.6	4
443	The superconducting diode effect. Nature Reviews Physics, 2023, 5, 558-577.	11.9	11