

Superconductivity in a Strong Spin-Exchange Field

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mixed-State Paramagnetism in High-Field Type-II Superconductors. Physical Review Letters, 1965, 15, 865-868.	2.9	32
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1272	Conventional and charge-six superfluids from melting hexagonal Fulde-Ferrell-Larkin-Ovchinnikov phases in two dimensions. <i>Physical Review B</i> , 2011, 84, .	1.1	19
1273	Disorder-dependent superconducting phase diagram at high magnetic fields in Fe $\chi(\theta) = \frac{1}{2} \left(\frac{1}{\cos^2 \theta} + \frac{1}{\sin^2 \theta} \right) \chi_{\text{Se}}$ $\chi(\theta) = \frac{1}{2} \left(\frac{1}{\cos^2 \theta} + \frac{1}{\sin^2 \theta} \right) \chi_{\text{Te}}$	1.1	14
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1376	Large spin-orbit splitting and weakly anisotropic superconductivity revealed with single-crystalline noncentrosymmetric CaIrSi $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2012, 86, .	1.1	13
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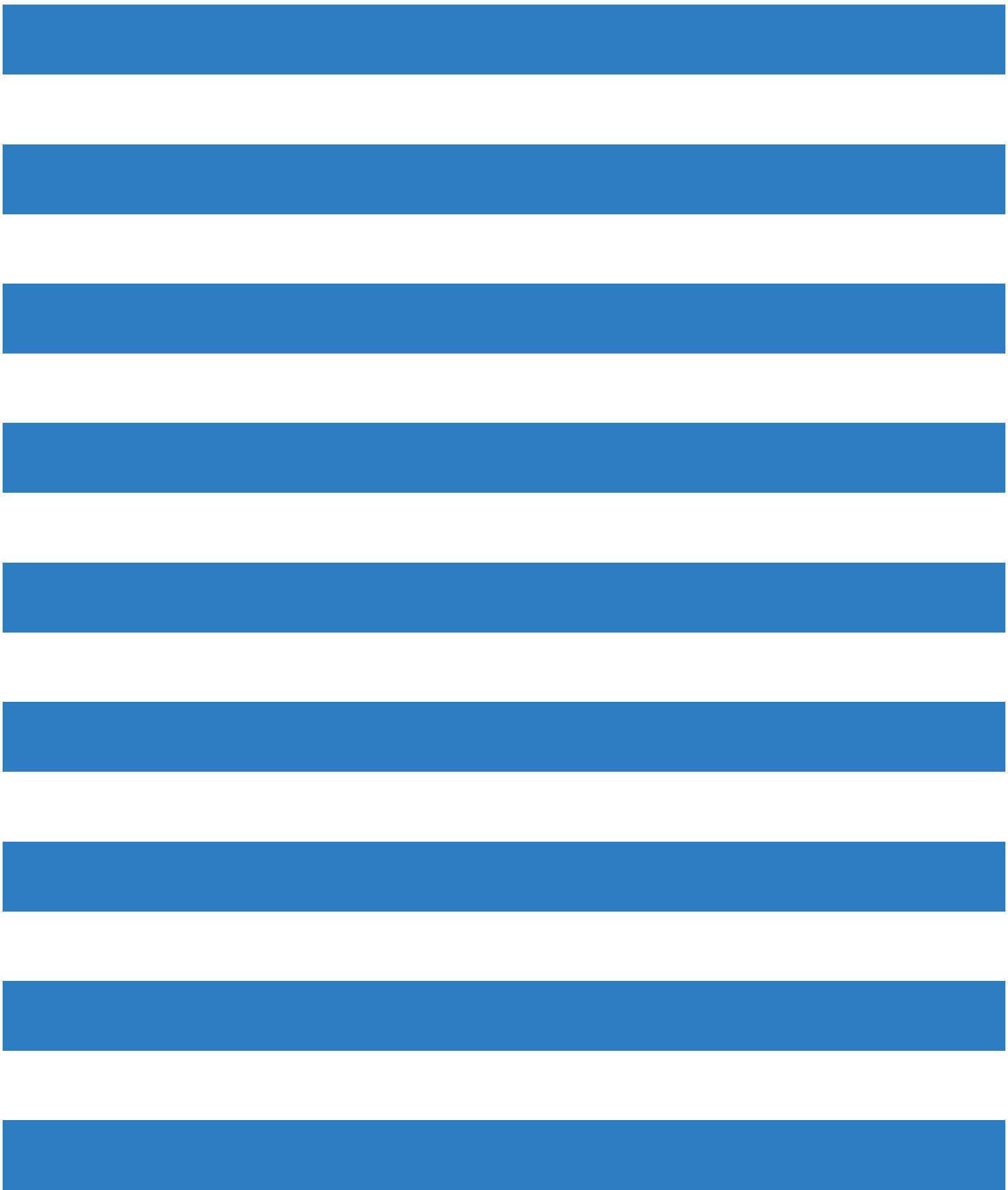
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1840	Classification of magnetic inhomogeneities and transitions in superconducting-magnetic hybrid structures. <i>Physical Review B</i> , 2016, 94, .	1.1	4
1841	Anomalous oscillatory magnetoresistance in superconductors. <i>Physical Review B</i> , 2016, 94, .	1.1	7
1842	Superconductivity in the ferromagnetic semiconductor samarium nitride. <i>Physical Review B</i> , 2016, 94, .	1.1	25

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1844	Amperean Pairing at the Surface of Topological Insulators. <i>Physical Review Letters</i> , 2016, 117, 076806.	2.9	27
1845	Synthetic-gauge-field-induced resonances and Fulde-Ferrell-Larkin-Ovchinnikov states in a one-dimensional optical lattice. <i>Physical Review A</i> , 2016, 94, .	1.0	6
1846	Quasiparticle spin relaxation with superconducting velocity-tunable state in GaAs(100) quantum wells in proximity to s-wave superconductor. <i>Physical Review B</i> , 2016, 94, .	1.1	9
1847	Phase structure of the O_2 superconductor. <i>Physical Review D</i> , 2016, 94, .	1.1	9
1848	A Realistic Model for Observing Spin-Balanced Fulde-Ferrell Superfluid in Honeycomb Lattices. <i>Chinese Physics Letters</i> , 2016, 33, 080303.	1.3	0
1849	The Signature of Inhomogeneous Superconductivity. <i>Journal of Low Temperature Physics</i> , 2016, 185, 220-229.	0.6	2
1850	Population-imbalanced lattice fermions near the BCS-BEC crossover: Thermal physics of the breached pair and Fulde-Ferrell-Larkin-Ovchinnikov phases. <i>Physical Review A</i> , 2016, 93, .	1.0	18
1851	Orbital magnetism of ultracold fermionic gases in a lattice: Dynamical mean-field approach. <i>Physical Review A</i> , 2016, 93, .	1.0	5
1852	Quantum simulators based on the global collective light-matter interaction. <i>Physical Review A</i> , 2016, 93, .	1.0	28
1853	Nonuniform superconducting state in an antiferromagnetic superconductor. <i>Physical Review B</i> , 2016, 93, .	1.1	4
1854	Nonlocal effect of a varying in-space Zeeman field on supercurrent and helix state in a spin-orbit-coupled s-wave superconductor. <i>Physical Review B</i> , 2016, 93, .	1.1	23
1855	FFLO strange metal and quantum criticality in two dimensions: Theory and application to organic superconductors. <i>Physical Review B</i> , 2016, 93, .	1.1	19
1856	Possible existence of superconductivity in the quasi-one-dimensional conductor $\text{Li}_x\text{Mo}_y\text{O}_z$. <i>Physical Review B</i> , 2016, 93, .	1.1	19

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1862	Interplay between pair density waves and random field disorders in the pseudogap regime of cuprate superconductors. Physical Review B, 2016, 93, .	1.1	4
1863	Noncollinear order and gapless superconductivity in s -wave magnetic superconductors. Physical Review B, 2016, 93, .	1.1	6
1864	Probing unconventional superconductivity in inversion-symmetric doped Weyl semimetal. Physical Review B, 2016, 93, .	1.1	30
1865	Rashba versus Kohn-Luttinger: Evolution of p -wave superconductivity in magnetized two-dimensional Fermi gases subject to spin-orbit interactions. Physical Review B, 2016, 93, .	1.1	9
1866	Critical temperature enhancement of topological superconductors: A dynamical mean-field study. Physical Review B, 2016, 93, .	1.1	9
1867	Superconductivity in magnetic multipole states. Physical Review B, 2016, 93, .	1.1	37
1868	Tunneling and Josephson effects in odd-frequency superconductor junctions: A study on multichannel Kondo chain. Physical Review B, 2016, 93, .	1.1	12
1869	Ferromagnetism and superconductivity with possible p -wave symmetry in partially hydrogenated graphene. Physical Review B, 2016, 93, .		
1870	Geometry defects in bosonic symmetry-protected topological phases. Physical Review B, 2016, 93, .	1.1	12
1871	Connection between in-plane upper critical field H_c and gap symmetry in layered d -wave superconductors. Physical Review B, 2016, 94, .	1.1	3
1872	Solitonic modulation and Lifshitz point in an external magnetic field within Nambu-Jona-Lasinio model. Physical Review D, 2016, 93, .	1.6	13
1873	Integrable model for density-modulated quantum condensates: Solitons passing through a soliton lattice. Physical Review E, 2016, 93, 062224.	0.8	11
1874	Microscopic Study of the Fulde-Ferrell-Larkin-Ovchinnikov State in an All-Organic Superconductor. Physical Review Letters, 2016, 116, 067003.	2.9	66
1875	Fulde-Ferrell Superfluids without Spin Imbalance in Driven Optical Lattices. Physical Review Letters, 2016, 116, 120403.	2.9	15
1876	Path-Integral Monte Carlo Determination of the Fourth-Order Virial Coefficient for a Unitary Two-Component Fermi Gas with Zero-Range Interactions. Physical Review Letters, 2016, 116, 230401.	2.9	26
1877	Electronic properties of graphene-based bilayer systems. Physics Reports, 2016, 648, 1-104.	10.3	323
1878	Gate-induced superconductivity in two-dimensional atomic crystals. Superconductor Science and Technology, 2016, 29, 093001.	1.8	47

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1880	Josephson current in a normal-metal nanowire coupled to a superconductor/ferromagnet/superconductor junction. Physical Review B, 2016, 93, .	1.1	9
1881	Coupled k-space structure of d-wave superconducting and magnetic orders induced by paramagnetic pair-breaking effect. Physical Review B, 2016, 93, .	1.1	1
1882	Coexistence of Γ -loop-current order with checkerboard d-wave CDW/PDW order in a hot-spot model for cuprate superconductors. Physical Review B, 2016, 93, .	1.1	14
1883	Scanning Josephson spectroscopy on the atomic scale. Physical Review B, 2016, 93, .	1.1	44
1884	Superconductivity and ferromagnetism in hole-doped $\text{RbEuFe}_4\text{As}_8$. Physical Review B, 2016, 93, .	1.1	1
1885	Crystalline ground states in Polyakov-loop extended Nambu–Jona-Lasinio models. Physical Review D, 2016, 93, .	1.6	15
1886	Metallic quantum ferromagnets. Reviews of Modern Physics, 2016, 88, .	16.4	237
1887	Spin-polarized currents and noise in normal-metal/superconductor junctions with Yu-Shiba-Rusinov impurities. Physical Review B, 2016, 94, .	1.1	4
1888	Triplet FFLO superconductivity in the doped Kitaev-Heisenberg honeycomb model. Physical Review B, 2016, 94, .	1.1	6
1889	Phase-tunable Josephson junction and spontaneous mass current in a spin-orbit-coupled Fermi superfluid. Physical Review A, 2016, 94, .	1.0	3
1890	Magnetic phase diagram of underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ inferred from torque magnetization and thermal conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12667-12672.	3.3	38
1891	Superfluid transition in the attractive Hofstadter-Hubbard model. Physical Review A, 2016, 94, .	1.0	6
1892	Fulde-Ferrell-Larkin-Ovchinnikov pairing as leading instability on the square lattice. Physical Review B, 2016, 94, .	1.1	18
1893	High-momentum distribution with a subleading tail in odd-wave interacting one-dimensional Fermi gases. Physical Review A, 2016, 94, .	1.1	1
1894	Anomalous Oscillations due to Aharonov–Bohm and Aharonov–Casher Effects of the One-Dimensional Hubbard Ring in the Strong Coupling Limit. Journal of the Physical Society of Japan, 2016, 85, 124716.	0.7	0
1895	Magnetic field dependence of high- T_c superconductivity in La_2CuO_4 . Physical Review B, 2016, 94, .	1.1	3
1896	Triplet pairing in a trapped superfluid Fermi gas with broken spin rotation symmetry. II. Three-dimensional continuum case. Physical Review A, 2016, 94, .	1.0	2

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1898	Novel p-wave superfluids of fermionic polar molecules. Scientific Reports, 2016, 6, 27448.	1.6	25
1899	Quench dynamics of the spin-imbalanced Fermi-Hubbard model in one dimension. Physical Review A, 2016, 94, .	1.0	11
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1901	Occurrence of a Mott-like gap in single-particle spectra of electron systems possessing flat bands. JETP Letters, 2016, 103, 702-707.	0.4	1
1902	Phase transitions in hybrid SFS structures with thin superconducting layers. JETP Letters, 2016, 104, 329-333.	0.4	12
1903	Anomalous pseudogap in population imbalanced Fermi superfluids. European Physical Journal D, 2016, 70, 1.	0.6	3
1904	Dimensional crossover in a spin-imbalanced Fermi gas. Physical Review A, 2016, 94, .	1.0	12
1905	Instability of three-band Tomonaga-Luttinger liquid: Renormalization group analysis and possible application to K Cr 3 . Physical Review B, 2016, 94, .	1.1	19
1906	Bound states and Cooper pairs of molecules in 2D optical lattices bilayer. Annalen Der Physik, 2016, 528, 580-587.	0.9	4
1907	On the new Continuous Matrix Product Ansatz. Journal of Physics: Conference Series, 2016, 702, 012004.	0.3	2
1908	The Fulde-Ferrell-Larkin-Ovchinnikov states in s and d-wave superconductor with spin-dependent bandwidth imbalance on square lattice. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	2.0	1
1909	From Kondo lattices to Kondo superlattices. Reports on Progress in Physics, 2016, 79, 074503.	8.1	39
1910	Brazovskii-Dyugaev effect on the inhomogeneous chiral transition in quark matter. Progress of Theoretical and Experimental Physics, 2016, 2016, 043D02.	1.8	8
1911	Interplay between quantum confinement and Fulde-Ferrell-Larkin-Ovchinnikov phase in superconducting nanofilms. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 442-449.	1.3	5
1913	Zeeman Field-Induced Nodal Structures in Rashba-Type Noncentrosymmetric Superconductors. Journal of Low Temperature Physics, 2016, 182, 124-138.	0.6	0
1914	Superconductivity protected by spin-valley locking in ion-gated MoS ₂ . Nature Physics, 2016, 12, 144-149.	6.5	419
1915	A Proximity Effect in Pure HTS/Ferromagnet Contacts. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	0

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1917	Non-equilibrium Dynamics in Zeeman-Limited Superconducting Al Films. <i>Journal of Low Temperature Physics</i> , 2016, 183, 238-244.	0.6	0
1918	Two-body physics in quasi-low-dimensional atomic gases under spin-orbit coupling. <i>Frontiers of Physics</i> , 2016, 11, 1.	2.4	6
1919	Novel superconducting phenomena in quasi-one-dimensional Bechgaard salts. <i>Comptes Rendus Physique</i> , 2016, 17, 357-375.	0.3	14
1920	Novel Majorana mode and magnetoresistance in ferromagnetic superconducting topological insulator. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 155-160.	1.3	6
1921	Quasiparticle Excitations in the Superconducting State of FeSe Probed by Thermal Hall Conductivity in the Vicinity of the BCS-BEC Crossover. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 014707.	0.7	23
1922	Superconductivity and spin-orbit coupling in non-centrosymmetric materials: a review. <i>Reports on Progress in Physics</i> , 2017, 80, 036501.	8.1	351
1923	Exotic magnetic states in Pauli-limited superconductors. <i>Reports on Progress in Physics</i> , 2017, 80, 034501.	8.1	21
1924	Magnetic Lifshitz transition and its consequences in multi-band iron-based superconductors. <i>Scientific Reports</i> , 2017, 7, 41979.	1.6	30
1925	Entanglement and exotic superfluidity in spin-imbalanced lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 475, 82-87.	1.2	12
1926	Searching for two-dimensional Weyl superconductors in heterostructures. <i>Physical Review B</i> , 2017, 95, .	1.1	11
1927	Unconventional Superconductivity in Bilayer Transition Metal Dichalcogenides. <i>Physical Review Letters</i> , 2017, 118, 087001.	2.9	60
1928	Unconventional fermionic pairing states in a monochromatically tilted optical lattice. <i>Physical Review A</i> , 2017, 95, .	1.0	9
1929	Floquet engineering of Haldane Chern insulators and chiral bosonic phase transitions. <i>Physical Review B</i> , 2017, 95, .	1.1	32
1930	Gapped superconductivity with all symmetries in InSb (110) quantum wells in proximity to s-wave superconductor in Fulde-Ferrell-Larkin-Ovchinnikov phase or with a supercurrent. <i>Physical Review B</i> , 2017, 95, .	1.1	7
1931	Influence of Finite Size Effects on the Fulde-Ferrell-Larkin-Ovchinnikov State. <i>Communications in Computational Physics</i> , 2017, 21, 748-762.	0.7	7
1932	Topological superconductivity in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , 2017, 8, 14985.	5.8	148
1933	Dual gauge field theory of quantum liquid crystals in two dimensions. <i>Physics Reports</i> , 2017, 683, 1-110.	10.3	99

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1935	Time-reversal symmetry-breaking superconductivity in epitaxial bismuth/nickel bilayers. <i>Science Advances</i> , 2017, 3, e1602579.	4.7	71
1936	Zeeman-limited superconductivity in crystalline Al films. <i>Physical Review B</i> , 2017, 95, .	1.1	11
1937	High- T_c superconductivity from an atomic point of view via tunneling. <i>Current Applied Physics</i> , 2017, 17, 847-853.	1.1	0
1938	Homogeneous Atomic Fermi Gases. <i>Physical Review Letters</i> , 2017, 118, 123401.	2.9	188
1939	Upper Critical and Irreversibility Fields in $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$ and $\text{Ba}(\text{Fe}_{0.91}\text{Co}_{0.09})_2\text{As}_2$ Pnictide Bulk Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 561-568.	0.8	7
1940	Electron-hole pairing of Fermi-arc surface states in a Weyl semimetal bilayer. <i>Physical Review B</i> , 2017, 95, .	1.1	3
1941	Critical behavior in one dimension: Unconventional pairing, phase separation, BEC-BCS crossover, and magnetic Lifshitz transition. <i>Physical Review A</i> , 2017, 95, .	1.0	18
1942	Interplay between exotic superfluidity and magnetism in a chain of four-component ultracold atoms. <i>Physical Review A</i> , 2017, 95, .	1.0	8
1943	Unconventional superconductivity from magnetism in transition-metal dichalcogenides. <i>Physical Review B</i> , 2017, 95, .	1.1	20
1944	Quantum optics and frontiers of physics: the third quantum revolution. <i>Physica Scripta</i> , 2017, 92, 013003.	1.2	13
1945	Towards quantum turbulence in cold atomic fermionic superfluids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 014001.	0.6	15
1946	Enhancement effect of mass imbalance on Fulde-Ferrell-Larkin-Ovchinnikov type of pairing in Fermi-Fermi mixtures of ultracold quantum gases. <i>Scientific Reports</i> , 2017, 7, 39783.	1.6	29
1947	Highly crystalline 2D superconductors. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	412
1948	Molecule-Confined Engineering toward Superconductivity and Ferromagnetism in Two-Dimensional Superlattice. <i>Journal of the American Chemical Society</i> , 2017, 139, 16398-16404.	6.6	54
1949	Ising Superconductivity and Quantum Phase Transition in Macro-Size Monolayer NbSe_2 . <i>Nano Letters</i> , 2017, 17, 6802-6807.	4.5	155
1950	Larkin-Ovchinnikov superfluidity in a two-dimensional imbalanced atomic Fermi gas. <i>Physical Review A</i> , 2017, 95, .	1.0	12
1951	Larkin-Ovchinnikov state of superconducting Weyl metals: Fundamental differences between restricted and extended pairings in k -space. <i>Physical Review B</i> , 2017, 96, .	1.1	7

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1953	Evidence of spontaneous vortex ground state in an iron-based ferromagnetic superconductor. Npj Quantum Materials, 2017, 2, .	1.8	21
1954	Inflated nodes and surface states in superconducting half-Heusler compounds. Physical Review B, 2017, 96, .	1.1	67
1955	Evolution from few- to many-body physics in one-dimensional Fermi systems: One- and two-body density matrices and particle-partition entanglement. Physical Review A, 2017, 96, .	1.0	22
1956	Exotic superfluidity and pairing phenomena in atomic Fermi gases in mixed dimensions. Scientific Reports, 2017, 7, 12948.	1.6	6
1957	The influence of the dimensionality of the system on the realization of unconventional Fulde-Ferrell-Larkin-Ovchinnikov pairing in ultra-cold Fermi gases. Journal of Physics Condensed Matter, 2017, 29, 475901.	0.7	15
1958	Dimensionally induced one-dimensional to three-dimensional phase transition of the weakly interacting ultracold Bose gas. Physical Review A, 2017, 95, .	1.0	7
1959	Renormalization theory for the Fulde-Ferrell-Larkin-Ovchinnikov states at $T < T_0$. Physical Review A, 2017, 95, .	1.1	17
1960	Interaction-induced gradients across a confined fermion lattice. Physical Review A, 2017, 96, .	1.0	1
1961	Oscillating Casimir potential between two impurities in a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2017, 96, .	1.0	1
1962	Switching dynamics of the spin density wave in superconducting CeCoIn5. Physical Review B, 2017, 95, .	1.1	4
1963	Pair breaking of multigap superconductivity under parallel magnetic fields in the electric-field-induced surface metallic state. Physical Review B, 2017, 96, .	1.1	1
1964	Chiral pair fluctuations for the inhomogeneous chiral transition. Physical Review D, 2017, 95, .	1.6	14
1965	Majorana flat bands, chiral Majorana edge states, and unidirectional Majorana edge states in noncentrosymmetric superconductors. Physical Review B, 2017, 95, .	1.1	31
1966	Inhomogeneous electron states in the systems with imperfect nesting. JETP Letters, 2017, 105, 806-817.	0.4	15
1967	Odd-triplet superconductivity in single-level quantum dots. Physical Review B, 2017, 96, .	1.1	13
1968	Phase Offsets in the Critical-Current Oscillations of Josephson Junctions Based on Ni and Ni- δ . Physical Review B, 2017, 96, .	1.5	14
1969	Introduction to Unconventional Superconductivity and Density Waves in Cuprates. Springer Theses, 2017, , 1-22.	0.0	0

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1972	Multiple phase separation in one-dimensional mixtures of mass- and population-imbalanced attractive Fermi gases. Physical Review A, 2017, 96, .	1.0	9
1973	Silicene-based \mathbb{Z}_2 topological insulators and \mathbb{Z}_2 topological superconductors. Physical Review B, 2017, 95, .	1.1	18
1974	Multipole Superconductivity in Nonsymmorphic \mathbb{Z}_2 Topological Insulators. Physical Review Letters, 2017, 119, 027001.	2.9	46
1975	Two-dimensional Fermi gas in antiparallel magnetic fields. Physical Review A, 2017, 95, .	1.0	4
1976	Trapped imbalanced fermionic superfluids in one dimension: A variational approach. Physical Review A, 2017, 95, .	1.0	2
1977	Theab initiostudy of unconventional superconductivity in CeCoIn5and FeSe. New Journal of Physics, 2017, 19, 063039.	1.2	25
1978	Spontaneous finite momentum pairing in superconductors without inversion symmetry. Physical Review B, 2017, 95, .	1.1	2
1979	Momentum-space spin texture in a topological superconductor. Physical Review B, 2017, 96, .	1.1	9
1980	Generic Theory for Majorana Zero Modes in 2D Superconductors. Physical Review Letters, 2017, 119, 047001.	2.9	34
1981	Topological superfluids and the BEC-BCS crossover in the attractive Haldane-Hubbard model. Physical Review A, 2017, 95, .	1.0	9
1982	Topological Fulde-Ferrell superfluids in triangular lattices. Physical Review A, 2017, 95, .	1.0	2
1983	Odd-parity superconductivity in bilayer transition metal dichalcogenides. Physical Review B, 2017, 96, .	1.1	44
1984	Universal phase diagrams with superconducting domes for electronic flat bands. Physical Review B, 2017, 96, .	1.1	37
1985	Consistent regularization and renormalization in models with inhomogeneous phases. Physical Review D, 2017, 95, .	1.6	7
1986	Superconductivity and oscillatory magnetoresistance at a topological-insulator/chalcogenide interface. AIP Conference Proceedings, 2017, , .	0.3	1
1987	Optical conductivity from pair density waves. Physical Review B, 2017, 95, .	1.1	14

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1989	Superfluidity in density imbalanced bilayers of dipolar fermions. Physical Review B, 2017, 96, .	1.1	4
1990	Higgs modes in the pair density wave superconducting state. Physical Review B, 2017, 95, .	1.1	12
1991	Collective mode contributions to the Meissner effect: Fulde-Ferrell and pair-density wave superfluids. Physical Review B, 2017, 95, .	1.1	5
1992	CPN sigma model on a finite interval revisited. Physical Review D, 2017, 95, .	1.6	15
1993	Current-carrying states in Fulde-Ferrell-Larkin-Ovchinnikov superconductors. Physical Review B, 2017, 96, .	1.1	14
1994	Fulde-Ferrell-Larkin-Ovchinnikov state in bilayer dipolar systems. Physical Review A, 2017, 96, .	1.0	7
1995	Full-switching FSF-type superconducting spin-triplet magnetic random access memory element. Physical Review B, 2017, 96, .	1.1	27
1996	Effective model for a supercurrent in a pair-density wave. Physical Review B, 2017, 96, .	1.1	13
1997	Phase transitions in hybrid SFS structures with thin superconducting layers. Physics of the Solid State, 2017, 59, 2143-2149.	0.2	3
1998	Thermodynamic Evidence for the Fulde-Ferrell-Larkin-Ovchinnikov State in the KFe_2S_2 Superconductor. Physical Review Letters, 2017, 119, 217002.	2.9	59
1999	Fermion superfluid with hybridized s- and p-wave pairings. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	13
2000	Role of Hund's splitting in electronic phase competition in $Pb_{1-x}Sn_xTe$. Physical Review B, 2017, 96, .	1.1	3
2001	Spin-orbit-driven transitions between Mott insulators and finite-momentum superfluids of bosons in optical lattices. Physical Review A, 2017, 96, .	1.0	5
2002	Gauge-invariant theory of quasiparticle and condensate dynamics in response to terahertz optical pulses in superconducting semiconductor quantum wells. I. s-wave superconductivity in the weak spin-orbit coupling limit. Physical Review B, 2017, 96, .	1.1	21
2003	Imaging the spatial form of a superconducting order parameter via Josephson scanning tunneling spectroscopy. Physical Review B, 2017, 96, .	1.1	8
2004	Fulde-Ferrell state in superconducting core/shell nanowires: role of the orbital effect. Journal of Physics Condensed Matter, 2017, 29, 475302.	0.7	1
2005	Odd-parity topological superfluidity for fermions in a bond-centered square optical lattice. Physical Review A, 2017, 96, .	1.0	3

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2025	Calorimetric Measurements of Magnetic-Field-Induced Inhomogeneous Superconductivity Above the Paramagnetic Limit. <i>Physical Review Letters</i> , 2017, 118, 267001.	2.9	46
2026	Review of 2D superconductivity: the ultimate case of epitaxial monolayers. <i>Superconductor Science and Technology</i> , 2017, 30, 013003.	1.8	97
2027	Europium-based iron pnictides: a unique laboratory for magnetism, superconductivity and structural effects. <i>Reports on Progress in Physics</i> , 2017, 80, 016501.	8.1	57
2028	Two-dimensional superconductors with atomic-scale thickness. <i>Superconductor Science and Technology</i> , 2017, 30, 013002.	1.8	103
2029	Controlled finite momentum pairing and spatially varying order parameter in proximitized HgTe quantum wells. <i>Nature Physics</i> , 2017, 13, 87-93.	6.5	70
2030	Spin-triplet supercurrent in Josephson junctions containing a synthetic antiferromagnet with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2017, 96, .	1.1	16
2031	Shear viscosity of two-flavor inhomogeneous color superconducting quark matter. <i>Physical Review D</i> , 2017, 96, .	1.6	6
2032	Supersymmetry breaking in spatially modulated vacua. <i>Physical Review D</i> , 2017, 96, .	1.6	11
2033	In-medium bound-state formation and inhomogeneous condensation in Fermi gases in a hard-wall box. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 205301.	0.6	2
2034	Kosterlitz-Thouless transition and vortex-antivortex lattice melting in two-dimensional Fermi gases with p - or d -wave pairing. <i>Physical Review A</i> , 2017, 96, .	1.0	5
2035	Screening properties of multiply connected ferromagnet-superconductor hybrid structures. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 298-309.	0.2	7
2036	The impact of Maki parameter and spin orbit scattering constant in the WHH model on upper critical magnetic fields in Ni- and co-doped pnictide bulk superconductors. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4
2037	Low-energy modes of spin-imbalanced Fermi gases in BCS phase. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	3
2038	Self-consistent large-N analytical solutions of inhomogeneous condensates in quantum $\hat{\alpha}$ -PN $\hat{\alpha}$ model. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
2039	In Search of Unambiguous Evidence of the Fulde-Ferrell-Larkin-Ovchinnikov State in Quasi-Low Dimensional Superconductors. <i>Condensed Matter</i> , 2017, 2, 30.	0.8	14
2040	Axial anomaly and nesting in the inhomogeneous chiral phase. <i>Physical Review D</i> , 2018, 97, .	1.6	0
2041	The BCS-BEC crossover: From ultra-cold Fermi gases to nuclear systems. <i>Physics Reports</i> , 2018, 738, 1-76.	10.3	188

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2043	Color superfluidity of neutral ultracold fermions in the presence of color-flip and color-orbit fields. Physical Review A, 2018, 97, .	1.0	7
2044	Long-range spin-singlet proximity effect for a Josephson system with a single-crystal ferromagnet due to its band-structure features. Physical Review B, 2018, 97, .	1.1	5
2045	Fulde-Ferrell-Larkin-Ovchinnikov superconductivity in the layered organic superconductor $\text{[BEDT-TTF]}_4\text{[(H}_3\text{O)Ga(C}_2\text{O}_4\text{)}_3\text{]C}_6\text{H}_5\text{NO}_2$. Physical Review B, 2018, 97, .	1.1	24
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2058	Two-Dimensional Homogeneous Fermi Gases. Physical Review Letters, 2018, 120, 060402.	2.9	107
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2068	Charge/spin supercurrent and the Fulde-Ferrell state induced by crystal deformation in Weyl/Dirac superconductors. <i>Physical Review B</i> , 2018, 97, .	1.1	18
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2071	Exotic superconductivity with enhanced energy scales in materials with three band crossings. <i>Physical Review B</i> , 2018, 97, .	1.1	21
2072	Spatially Inhomogeneous Superconducting State near H_{c2} in UPd ₂ Al ₃ . <i>Journal of the Physical Society of Japan</i> , 2018, 87, 013701.	0.7	7
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2124	Gauge-invariant microscopic kinetic theory of superconductivity in response to electromagnetic fields. <i>Physical Review B</i> , 2018, 98, .	1.1	16
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2151	Metric-Space Approach for Distinguishing Quantum Phase Transitions in Spin-Imbalanced Systems. <i>Brazilian Journal of Physics</i> , 2018, 48, 472-476.	0.7	8
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2154	Spin-imbalanced pairing and Fermi surface deformation in flat bands. <i>Physical Review B</i> , 2018, 97, .	1.1	14
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2156	Effective potential and quantum criticality for imbalanced Fermi mixtures. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 305604.	0.7	8
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2159	Dynamics of Domain Walls in a Fulde-Ferrell Superconductor. <i>JETP Letters</i> , 2019, 109, 729-735.	0.4	5
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2189	Magnetic field-induced pair density wave state in the cuprate vortex halo. <i>Science</i> , 2019, 364, 976-980.	6.0	101
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2193	Topological superconductivity in Dirac honeycomb systems. <i>Physical Review B</i> , 2019, 99, .	1.1	14
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2224	Heavy fermions in high magnetic fields. <i>Chinese Physics B</i> , 2019, 28, 017106.	0.7	2
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2228	Evolution of Pairing Orders between Pseudogap and Superconducting Phases of Cuprate Superconductors. <i>Scientific Reports</i> , 2019, 9, 1719.	1.6	28
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