

Sung-Kit Yip

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9618964/publications.pdf>

Version: 2024-02-01

121
papers

4,669
citations

94433

37
h-index

98798

67
g-index

122
all docs

122
docs citations

122
times ranked

2589
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Meissner effect in CuO superconductors. Physical Review Letters, 1992, 69, 2264-2267.	7.8	266
2	Fragmented and Single Condensate Ground States of Spin-1 Bose Gas. Physical Review Letters, 2000, 84, 4031-4034.	7.8	246
3	Electronic thermal conductivity and the Wiedemann-Franz law for unconventional superconductors. Physical Review B, 1996, 53, 15147-15161.	3.2	227
4	Phase diagrams of F=2 spinor Bose-Einstein condensates. Physical Review A, 2000, 61, .	2.5	213
5	Models for Superfluid H ₂ in Aerogel. Physical Review Letters, 1998, 80, 2861-2864.	7.8	186
6	Two-dimensional superconductivity with strong spin-orbit interaction. Physical Review B, 2002, 65, .	3.2	171
7	Nonlinear Meissner effect in unconventional superconductors. Physical Review B, 1995, 51, 16233-16253.	3.2	170
8	Theory of phonon dispersion relations in semiconductor superlattices. Physical Review B, 1984, 30, 7037-7059.	3.2	162
9	Superfluid stability in the BEC-BCS crossover. Physical Review B, 2006, 73, .	3.2	142
10	Dimer State of Spin-1 Bosons in an Optical Lattice. Physical Review Letters, 2003, 90, 250402.	7.8	132
11	Anisotropic Fermi Superfluid via p-Wave Feshbach Resonance. Physical Review Letters, 2005, 95, 070404.	7.8	115
12	Noncentrosymmetric Superconductors. Annual Review of Condensed Matter Physics, 2014, 5, 15-33.	14.5	115
13	Magneto-optical absorption by electrons in the presence of parabolic confinement potentials. Physical Review B, 1991, 43, 1707-1718.	3.2	106
14	Josephson current-phase relationships with unconventional superconductors. Physical Review B, 1995, 52, 3087-3090.	3.2	102
15	Electrodynamic response of a harmonic atom in an external magnetic field. Physical Review B, 1991, 43, 5151-5154.	3.2	90
16	Pairing of Fermions with Arbitrary Spin. Physical Review Letters, 1999, 82, 247-250.	7.8	88
17	Energy-resolved supercurrent between two superconductors. Physical Review B, 1998, 58, 5803-5807.	3.2	83
18	Dynamics of the He-3 n-B Phase Boundary. Physical Review Letters, 1986, 57, 345-348.	7.8	81

#	ARTICLE	IF	CITATIONS
19	Superfluidity in the interior-gap states. <i>Physical Review A</i> , 2003, 67, .	2.5	80
20	Superconducting states of reduced symmetry: General order parameters and physical implications. <i>Physical Review B</i> , 1993, 48, 3304-3308.	3.2	77
21	Larkin-Ovchinnikov state in resonant Fermi gas. <i>Physical Review A</i> , 2007, 75, .	2.5	68
22	Atomistic Simulation of Creep in a Nanocrystal. <i>Physical Review Letters</i> , 2010, 104, 175501.	7.8	68
23	Internal Vortex Structure of a Trapped Spinor Bose-Einstein Condensate. <i>Physical Review Letters</i> , 1999, 83, 4677-4681.	7.8	65
24	Fluctuations in an impure unconventional superconductor. <i>Physical Review B</i> , 1990, 41, 2612-2615.	3.2	64
25	Thermodynamic considerations and the phase diagram of superconducting UPt ₃ . <i>Physical Review B</i> , 1991, 43, 2742-2747.	3.2	61
26	Bose-Einstein condensation in the presence of artificial spin-orbit interaction. <i>Physical Review A</i> , 2011, 83, .	2.5	58
27	Weak link between conventional and unconventional superconductors. <i>Journal of Low Temperature Physics</i> , 1993, 91, 203-218.	1.4	57
28	Spin-Orbital-Angular-Momentum Coupled Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2018, 121, 113204.	7.8	56
29	Circular dichroism and birefringence in unconventional superconductors. <i>Journal of Low Temperature Physics</i> , 1992, 86, 257-290.	1.4	55
30	Resonant pairing between fermions with unequal masses. <i>Physical Review B</i> , 2006, 74, .	3.2	54
31	Identification of the orbital pairing symmetry in UPt ₃ . <i>Physical Review B</i> , 2000, 62, 14393-14402.	3.2	47
32	Spin current and spin accumulation near a Josephson junction between a singlet and triplet superconductor. <i>Physical Review B</i> , 2009, 80, .	3.2	47
33	Collective modes in a dilute Bose-Fermi mixture. <i>Physical Review A</i> , 2001, 64, .	2.5	44
34	Thermal conductivity of superconducting UPt ₃ at low temperatures. <i>Journal of Low Temperature Physics</i> , 1996, 102, 367-379.	1.4	42
35	Zero sound modes of dilute Fermi gases with arbitrary spin. <i>Physical Review A</i> , 1999, 59, 4653-4656.	2.5	42
36	Supercurrent drag via the Coulomb interaction. <i>Physical Review Letters</i> , 1993, 70, 3647-3650.	7.8	40

#	ARTICLE	IF	CITATIONS
37	Supercurrent tunneling between conventional and unconventional superconductors: A Ginzburg-Landau approach. Physical Review B, 1990, 41, 11214-11228.	3.2	38
38	Symmetry and inert states of spin Bose-Einstein condensates. Physical Review A, 2007, 75, .	2.5	37
39	Models of superconducting CuBi ₂ Se ₃ : Single- versus two-band description. Physical Review B, 2013, 87, .	3.2	37
40	Time-reversal symmetry-breaking states near grain boundaries between d-wave superconductors. Physical Review B, 1998, 57, R14060-R14063.	3.2	35
41	Zero-energy vortex bound states in noncentrosymmetric superconductors. Physical Review B, 2008, 78, .	3.2	34
42	Spin current in topologically trivial and nontrivial noncentrosymmetric superconductors. Physical Review B, 2010, 82, .	3.2	32
43	Josephson Current Between d-Wave Superconductors Through an Interface with Finite Transmission. Journal of Low Temperature Physics, 1997, 109, 547-576.	1.4	31
44	Rotating Atomic Quantum Gases with Light-Induced Azimuthal Gauge Potentials and the Observation of the Hess-Fairbank Effect. Physical Review Letters, 2018, 121, 250401.	7.8	31
45	Magnetic Properties of a Superconductor with no Inversion Symmetry. Journal of Low Temperature Physics, 2005, 140, 67-76.	1.4	28
46	Paraconductivity in an unconventional layered superconductor. Journal of Low Temperature Physics, 1990, 81, 129-146.	1.4	27
47	Conductance anomalies for normal-metal-insulator-superconductor contacts. Physical Review B, 1995, 52, 15504-15508.	3.2	25
48	Asymmetric Fermi superfluid with different atomic species in a harmonic trap. Physical Review A, 2007, 76, .	2.5	25
49	Pinhole junctions in d-wave superconductors. Physica C: Superconductivity and Its Applications, 1998, 294, 289-301.	1.2	24
50	States in Josephson Junctions between H ₃ and B. Physical Review Letters, 1999, 83, 3864-3867.	7.8	23
51	Magnetic-field effect on the supercurrent of an SNS junction. Physical Review B, 2000, 62, R6127-R6130.	3.2	23
52	Theory of SU(N) superfluids. Physical Review A, 2014, 89, .	1.2	22
53	Quasiparticle motion in superfluid He ³ and Kapitza resistance of He ³ A-B phase boundary. Physical Review B, 1985, 32, 2915-2928.	3.2	20
54	Asymmetric Fermi superfluid in a harmonic trap. Journal of Physics Condensed Matter, 2006, 18, 5567-5577.	1.8	20

#	ARTICLE	IF	CITATIONS
55	Quantum Critical Spin-2 Chain with Emergent SU(3) Symmetry. Physical Review Letters, 2015, 114, 145301.	7.8	20
56	Trapped resonant fermions above the superfluid transition temperature. Physical Review B, 2007, 75, .	3.2	18
57	Signature of superconducting states in cubic crystal without inversion symmetry. Physical Review B, 2008, 77, .	3.2	18
58	Pairing symmetry in an anisotropic Fermi superfluid under ap-wave Feshbach resonance. Physical Review B, 2006, 73, .	3.2	17
59	Title is missing!. Journal of Low Temperature Physics, 1999, 114, 257-273.	1.4	15
60	Dimerized and trimerized phases for spin-2 bosons in a one-dimensional optical lattice. Physical Review A, 2012, 85, .	2.5	14
61	Fermi-liquid theory for the periodic Anderson model: Response functions. Physical Review B, 1988, 38, 8785-8800.	3.2	12
62	Extensions of Kohn's theorem. Physical Review B, 1989, 40, 3682-3684.	3.2	12
63	Kapitza resistance and thermal transport across boundaries in superfluidHe3. Physical Review Letters, 1989, 63, 1613-1616.	7.8	12
64	Feedback effects on the current correlations in Y-shaped conductors. Physical Review B, 2005, 72, .	3.2	12
65	Energy levels of two identical fermions in a harmonic trap near ap-wave Feshbach resonance. Physical Review A, 2008, 78, .	2.5	12
66	Theory of a fermionic superfluid with SU(2) \times SU(6) symmetry. Physical Review A, 2011, 83, .	2.5	12
67	Signatures of nematic superconductivity in doped Bi_2Se_3 under applied stress. Physical Review B, 2019, 100, .	3.2	12
68	Symmetry considerations and physical properties of the order parameter of theHe3A-B interface. Physical Review B, 1987, 35, 8733-8736.	3.2	11
69	Edge states, entanglement entropy spectra and critical hopping couplings of anisotropic honeycomb lattices. Europhysics Letters, 2011, 95, 27003.	2.0	11
70	Dynamics and complex structure of two-dimensional skyrmions in antiferromagnetic spin-1 Bose-Einstein condensates. Physical Review A, 2013, 88, .	2.5	11
71	Fragmented many-body states of a spin-2 Bose gas. Physical Review A, 2015, 91, .	2.5	11
72	Half quantum vortices in a nematic superconductor. Physical Review Research, 2020, 2, .	3.6	10

#	ARTICLE	IF	CITATIONS
73	Effect of Quadratic Zeeman Energy on the Vortex of Spinor Bose-Einstein Condensates. Journal of the Physical Society of Japan, 2006, 75, 074605.	1.6	9
74	Thermodynamics of the UPt ₃ superconducting phase diagram. Physical Review B, 1992, 46, 9070-9073.	3.2	8
75	Wavefunction Topology of Two-dimensional Time-Reversal Symmetric Superconductors. Journal of Low Temperature Physics, 2010, 160, 12-31.	1.4	8
76	Entanglement entropy scaling of the XXZ chain. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P10007.	2.3	8
77	Low temperature thermal hall conductivity of a nodal chiral superconductor. Superconductor Science and Technology, 2016, 29, 085006.	3.5	8
78	Visible stripe phases in spin-orbital-angular-momentum coupled Bose-Einstein condensates. New Journal of Physics, 2020, 22, 093017.	2.9	8
79	Supercurrent and noise in point contacts between two different superconductors. Physical Review B, 2003, 68, .	3.2	7
80	Exact results for a spin-1 lattice. Journal of Physics Condensed Matter, 2003, 15, 4583-4588.	1.8	7
81	Transverse Magnetic Field Distribution in the Vortex State of Noncentrosymmetric Superconductor with \hat{O} -Symmetry. Journal of Low Temperature Physics, 2009, 155, 160-168.	1.4	7
82	Phase diagrams for spin-1 bosons in an optical lattice. Physical Review A, 2009, 80, .	2.5	7
83	Spin-incoherent Luttinger liquid of one-dimensional spin-1 Tonks-Girardeau Bose gases: Spin-dependent properties. Physical Review A, 2017, 95, .	2.5	7
84	Spin-incoherent Luttinger liquid of one-dimensional $SU(2)$ fermions. Physical Review A, 2018, 98, .	2.5	7
85	The supercurrent and angular momentum in ³ He-B under a magnetic field. Journal of Physics C: Solid State Physics, 1986, 19, 1491-1501.	1.5	6
86	Spin-incoherent one-dimensional spin-1 Bose Luttinger liquid. Physical Review A, 2016, 94, .	2.5	6
87	$SU(N)$ Fermi liquid at finite temperature. Physical Review A, 2017, 95, .	2.5	6
88	Josephson effects in unconventional heavy fermion superconductors. European Physical Journal D, 1996, 46, 557-558.	0.4	5
89	Transport in the heavy-fermion superconductor UPt ₃ . Physica B: Condensed Matter, 2000, 280, 176-177.	2.7	5
90	ac Josephson effect in asymmetric superconducting quantum point contacts. Physical Review B, 2004, 70, .	3.2	5

#	ARTICLE	IF	CITATIONS
91	Phonon dispersion relations in semiconductor superlattices in the adiabatic bond-charge model. Superlattices and Microstructures, 1985, 1, 165-171.	3.1	4
92	Boundary conditions for normal-superfluid counterflow and internal Kapitza resistance in superfluids. Journal of Low Temperature Physics, 1990, 80, 237-268.	1.4	4
93	Localized vs. delocalized scattering in superfluid ³ He-aerogel. European Physical Journal D, 1996, 46, 113-114.	0.4	4
94	Phase diagrams of a p -wave superconductor inside a mesoscopic disk-shaped sample. Physical Review B, 2012, 86, .	3.2	4
95	Nonanalytic crossover behavior of SU(N _c) Fermi liquid. Physical Review A, 2018, 97, .	2.5	4
96	Anomalous Transport Across the ³ He A-B Interface. Japanese Journal of Applied Physics, 1987, 26, 153.	1.5	4
97	On Chechetkin's proposed wavefunction for an anisotropic superfluid and its relation to the Gor'kov-Galitskii scheme. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 105, 66-68.	2.1	3
98	Electromagnetic response of d-wave superconductors. Physica B: Condensed Matter, 1994, 194-196, 1595-1596.	2.7	3
99	Pinhole junctions in d-wave superconductors. European Physical Journal D, 1996, 46, 1057-1058.	0.4	3
100	Phase diagram of asymmetric Fermi gas across Feshbach resonance. Journal of Physics: Conference Series, 2009, 150, 032078.	0.4	3
101	Spin and spin-isospin correlations in spin-orbit and tensor coupled systems, and application to the nuclear case. Annals of Physics, 1989, 195, 1-15.	2.8	2
102	Thin films of ³ He ? Implications on the identification of ³ He ?A. Journal of Low Temperature Physics, 1994, 94, 1-4.	1.4	2
103	Universality in transport processes of unconventional superconductors. European Physical Journal D, 1996, 46, 1005-1006.	0.4	2
104	Quasiclassical formalism and the Andreev equation. Superlattices and Microstructures, 1999, 25, 1213-1219.	3.1	2
105	Absorption Line Shape of a One-Dimensional Bose Gas. Physical Review Letters, 2001, 87, 130401.	7.8	2
106	Optical absorption in a degenerate Bose-Einstein gas. Physical Review A, 2002, 65, .	2.5	2
107	Cooling into the spin-nematic state for a spin-1 Bose gas in an optical lattice. Physical Review A, 2009, 79, .	2.5	2
108	Mesoscopic p -wave superconductor near the phase transition temperature. Physical Review B, 2013, 87, .	3.2	2

#	ARTICLE	IF	CITATIONS
109	Current-spin coupling at topological insulator surfaces. Superconductor Science and Technology, 2014, 27, 124003.	3.5	2
110	Shear modulus anomaly of unconventional superconductors in a symmetry breaking field. Physical Review B, 2021, 104, .	3.2	2
111	Possible determination of spin-orbit coupling in a heavy-fermion liquid by longitudinal sound velocity in the presence of a magnetic field. Physical Review B, 1988, 37, 5038-5044.	3.2	1
112	Proximity effects of a thin film of unconventional superconductor in contact with a magnetic substrate. Thin Solid Films, 1992, 216, 49-51.	1.8	1
113	Josephson effects in superconducting conventional/unconventional tunnel junctions and weak-links. Physica B: Condensed Matter, 1994, 194-196, 1969-1970.	2.7	1
114	Comment on "Phonon Spectrum and Dynamical Stability of a Dilute Quantum Degenerate Bose-Fermi Mixture". Physical Review Letters, 2003, 90, 178901.	7.8	1
115	Transmission probabilities and current correlations for a Y-shaped diffusive conductor. Physical Review B, 2005, 71, .	3.2	1
116	Preparation of two-particle total-hyperfine-spin-singlet states via spin-changing dynamics. Physical Review A, 2012, 86, .	2.5	1
117	Irreversible thermodynamics for vortex motion in type II superconductors. Journal of Low Temperature Physics, 1994, 95, 631-643.	1.4	0
118	Instability of Superfluid across Feshbach Resonances. AIP Conference Proceedings, 2006, , .	0.4	0
119	Phase diagram of a dilute fermion gas with density imbalance. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1495-1496.	1.2	0
120	Current response of a topological insulator to a static Zeeman field. Journal of Physics Condensed Matter, 2016, 28, 026002.	1.8	0
121	Spin-Orbit Coupling in Heavy Fermi Liquids. Japanese Journal of Applied Physics, 1987, 26, 489.	1.5	0