

Mikael Fogelström

List of Publications by Year in descending order

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75
papers

2,300
citations

270111

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h-index

242451

47
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75
all docs

75
docs citations

75
times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	Disorder-robust phase crystal in high-temperature superconductors stabilized by strong correlations. Npj Quantum Materials, 2022, 7, .	1.8	5
2	Highly efficient UV detection in a metal-semiconductor-metal detector with epigraphene. Applied Physics Letters, 2022, 120, .	1.5	6
3	Phase crystals. Physical Review Research, 2020, 2, .	1.3	8
4	Breaking time-reversal and translational symmetry at edges of d -wave superconductors: Microscopic theory and comparison with quasiclassical theory. Physical Review Research, 2020, 2, .	1.3	7
5	Transport through vertical graphene contacts under intense laser fields. Physical Review Research, 2020, 2, .	1.3	5
6	Spontaneous symmetry breaking at surfaces of d -wave superconductors: Influence of geometry and surface ruggedness. Physical Review B, 2019, 99, .	1.1	8
7	Graphene plasmons: Impurities and nonlocal effects. Physical Review B, 2018, 97, .	1.1	6
8	Current-controlled light scattering and asymmetric plasmon propagation in graphene. Physical Review B, 2018, 97, .	1.1	32
9	Spontaneous generation of fractional vortex-antivortex pairs at single edges of high-Tc superconductors. Journal of Physics: Conference Series, 2018, 969, 012037.	0.3	7
10	Non-equilibrium charge and spin transport in superconducting ferromagnetic superconducting point contacts. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20150229.	1.6	5
11	Broken translational symmetry at edges of high-temperature superconductors. Nature Communications, 2018, 9, 2190.	5.8	17
12	High-sensitivity plasmonic refractive index sensing using graphene. 2D Materials, 2017, 4, 025103.	2.0	37
13	Graphene plasmons in the presence of adatoms. New Journal of Physics, 2017, 19, 073027.	1.2	7
14	Optical signatures of nonlocal plasmons in graphene. Physical Review B, 2016, 94, .	1.1	16
15	Correlated Cooper pair transport and microwave photon emission in the dynamical Coulomb blockade. Physical Review B, 2016, 93, .	1.1	25
16	Spin-polarized currents and noise in normal-metal/superconductor junctions with Yu-Shiba-Rusinov impurities. Physical Review B, 2016, 94, .	1.1	4
17	Spectral properties of superconductors with ferromagnetically ordered magnetic impurities. Physical Review B, 2015, 92, .	1.1	2
18	Antibunched Photons from Inelastic Cooper-Pair Tunneling. Physical Review Letters, 2015, 115, 027004.	2.9	38

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19	Lifshitz Transition in the Double-Core Vortex in HeB_3 . <i>Physical Review Letters</i> , 2015, 115, 235301.	2.9	29
20	Spontaneously broken time-reversal symmetry in high-temperature superconductors. <i>Nature Physics</i> , 2015, 11, 755-760.	6.5	42
21	Input-output description of microwave radiation in the dynamical Coulomb blockade. <i>New Journal of Physics</i> , 2014, 16, 015015.	1.2	18
22	Charge transport in InAs nanowire Josephson junctions. <i>Physical Review B</i> , 2014, 89, .	1.1	51
23	Spin-polarized Shapiro steps and spin-precession-assisted multiple Andreev reflection. <i>Physical Review B</i> , 2014, 90, .	1.1	14
24	Two-channel point-contact tunneling theory of superconductors. <i>Physical Review B</i> , 2014, 90, .	1.1	13
25	Quantized Conductance and Its Correlation to the Supercurrent in a Nanowire Connected to Superconductors. <i>Nano Letters</i> , 2013, 13, 3614-3617.	4.5	31
26	Nonclassical Photon Pair Production in a Voltage-Biased Josephson Junction. <i>Physical Review Letters</i> , 2013, 110, 267004.	2.9	46
27	Charge Qubit Coupled to an Intense Microwave Electromagnetic Field in a Superconducting Nb Device: Evidence for Photon-Assisted Quasiparticle Tunneling. <i>Physical Review Letters</i> , 2013, 111, 137002.	2.9	24
28	Fully gapped superconductivity in a nanometre-size $\text{YBa}_2\text{Cu}_3\text{O}_7$ island enhanced by a magnetic field. <i>Nature Nanotechnology</i> , 2013, 8, 25-30.	15.6	53
29	Model Evidence of a Superconducting State with a Full Energy Gap in Small Cuprate Islands. <i>Physical Review Letters</i> , 2013, 110, 197001.	2.9	20
30	Effects of quasiparticle tunnelling in a circuit-QED realization of a strongly driven two-level system. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 224019.	0.6	4
31	Spin-precession-assisted supercurrent in a superconducting quantum point contact coupled to a single-molecule magnet. <i>Physical Review B</i> , 2012, 86, .	1.1	14
32	Critical charge and spin Josephson currents through a precessing spin. <i>Journal of Physics: Conference Series</i> , 2012, 400, 022027.	0.3	0
33	Structure of the core of magnetic vortices in d-wave superconductors with a subdominant triplet pairing mechanism. <i>Physical Review B</i> , 2011, 84, .	1.1	9
34	Tunneling limit of heavy-fermion point contacts. <i>Journal of Physics: Conference Series</i> , 2011, 273, 012073.	0.3	2
35	Nonequilibrium effects in a Josephson junction coupled to a precessing spin. <i>Physical Review B</i> , 2011, 83, .	1.1	28
36	Point-contact spectroscopy in heavy-fermion superconductors. <i>Physical Review B</i> , 2010, 82, .	1.1	30

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37	Transport and magnetization dynamics in a superconductor/single-molecule magnet/superconductor junction. <i>Physical Review B</i> , 2010, 81, .	1.1	18
38	Josephson current through a precessing classical spin. <i>Physica B: Condensed Matter</i> , 2009, 404, 527-529.	1.3	2
39	Josephson current through a precessing spin. <i>Journal of Physics: Conference Series</i> , 2009, 150, 022027.	0.3	2
40	Spectrum of Andreev Bound States in a Molecule Embedded Inside a Microwave-Excited Superconducting Junction. <i>Physical Review Letters</i> , 2008, 101, 087002.	2.9	31
41	Impurity scattering and Mott's formula in graphene. <i>Physical Review B</i> , 2007, 76, .	1.1	76
42	Low-Temperature Thermal Conductivity of Superconductors With Gap Nodes. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
43	Spin-dependent Proximity Effects in d-wave Superconductor/Half-metal Heterostructures. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
44	Large Thermoelectric Effects and Inelastic Scattering in Unconventional Superconductors. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
45	Low-Temperature Thermal Conductivity of Superconductors with Gap Nodes. <i>Physical Review Letters</i> , 2005, 95, 107006.	2.9	9
46	Excess current in superconducting Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2004, 69, .	1.1	11
47	Large thermoelectric effects in unconventional superconductors. <i>Physical Review B</i> , 2004, 70, .	1.1	18
48	Transfer-matrix description of heterostructures involving superconductors and ferromagnets. <i>Physical Review B</i> , 2004, 69, .	1.1	57
49	Two regimes for effects of surface disorder on the zero-bias conductance peak of tunnel junctions involving d-wave superconductors. <i>Physical Review B</i> , 2004, 70, .	1.1	9
50	Nonlinear magnetic field dependence of the conductance in d-wave normal-metal/insulator/superconductor tunnel junctions. <i>Physical Review B</i> , 2004, 70, .	1.1	9
51	Investigation of Sr ₂ RuO ₄ /Pt contacts in an applied magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E197-E198.	1.0	0
52	Shot noise in normal metal/d-wave superconducting junctions. <i>Physical Review B</i> , 2003, 68, .	1.1	7
53	Subharmonic gap structure in d-wave superconductors. <i>Physical Review B</i> , 2002, 65, .	1.1	15
54	Shot Noise and Multiple Andreev Reflections in d-Wave Superconductors. <i>Physical Review Letters</i> , 2002, 89, 227003.	2.9	10

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55	Transport through superconductor/magnetic dot/superconductor structures. Physica C: Superconductivity and Its Applications, 2002, 367, 117-122.	0.6	21
56	Quasiclassical description of transport through superconducting contacts. Physical Review B, 2001, 64, .	1.1	70
57	Josephson current between chiral superconductors. Physical Review B, 2001, 64, .	1.1	37
58	Mixed-parity superconductivity in Sr ₂ RuO ₄ . Physical Review B, 2001, 63, .	1.1	16
59	Probing superconductivity in Sr ₂ RuO ₄ by point-contact spectroscopy. Physica B: Condensed Matter, 2000, 284-288, 537-538.	1.3	0
60	Tunneling into disordered d-wave superconductors. Physica B: Condensed Matter, 2000, 284-288, 589-590.	1.3	5
61	Spin-Triplet Superconductivity in Sr ₂ RuO ₄ Probed by Andreev Reflection. Physical Review Letters, 2000, 84, 1595-1598.	2.9	167
62	Josephson currents through spin-active interfaces. Physical Review B, 2000, 62, 11812-11819.	1.1	131
63	On the Local Stability of the Quadrupole Vortex in Superfluid ³ He-B. Journal of Low Temperature Physics, 1999, 116, 1-7.	0.6	6
64	Pinhole junctions in d-wave superconductors. Physica C: Superconductivity and Its Applications, 1998, 294, 289-301.	0.6	24
65	Andreev bound states, surfaces and subdominant pairing in high T _c superconductors. Journal of Physics and Chemistry of Solids, 1998, 59, 2040-2044.	1.9	29
66	Models for Superfluid ³ He in Aerogel. Physical Review Letters, 1998, 80, 2861-2864.	2.9	186
67	Time-reversal symmetry-breaking states near grain boundaries between d-wave superconductors. Physical Review B, 1998, 57, R14060-R14063.	1.1	35
68	Tunneling into Current-Carrying Surface States of High-T _c Superconductors [Phys. Rev. Lett. 79, 281 (1997)]. Physical Review Letters, 1997, 79, 2754-2754.	2.9	4
69	Tunneling into Current-Carrying Surface States of High-T _c Superconductors. Physical Review Letters, 1997, 79, 281-284.	2.9	498
70	Localized vs. delocalized scattering in superfluid ³ He-aerogel. European Physical Journal D, 1996, 46, 113-114.	0.4	4
71	Pinhole junctions in d-wave superconductors. European Physical Journal D, 1996, 46, 1057-1058.	0.4	3
72	Quasiclassical theory of vortices in ³ He-B. Journal of Low Temperature Physics, 1995, 98, 195-226.	0.6	25

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73	Single-Vortex Nucleation in Rotating Superfluid $^3\text{He-B}$. Europhysics Letters, 1995, 31, 449-454.	0.7	83
74	Vortices in superfluid $^3\text{He-B}$ at low temperatures. Physica B: Condensed Matter, 1994, 194-196, 809-810.	1.3	1
75	Diffusely scattering surface in superfluid ^3He . Physica B: Condensed Matter, 1992, 178, 176-180.	1.3	18