

Matthias Eschrig

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9553135/matthias-eschrig-publications-by-year.pdf>

Version: 2024-04-28

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

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

43
papers

2,853
citations

23
h-index

48
g-index

48
ext. papers

3,256
ext. citations

6.8
avg. IF

5.94
L-index

#	Paper	IF	Citations
43	Non-local dxy nematicity and the missing electron pocket in FeSe. <i>Npj Quantum Materials</i> , 2021 , 6,	5	3
42	Tunable Pure Spin Supercurrents and the Demonstration of Their Gateability in a Spin-Wave Device. <i>Physical Review X</i> , 2020 , 10,	9.1	8
41	Effect of Meissner Screening and Trapped Magnetic Flux on Magnetization Dynamics in Thick Nb/Ni80Fe20/Nb Trilayers. <i>Physical Review Applied</i> , 2019 , 11,	4.3	23
40	Magnetic skyrmion lattice by the Fourier transform method. <i>Physical Review B</i> , 2019 , 99,	3.3	3
39	Phase-Sensitive Interface and Proximity Effects in Superconducting Spintronics 2019 , 635-682		
38	k_z Selective Scattering within Quasiparticle Interference Measurements of FeSe. <i>Physical Review Letters</i> , 2019 , 123, 216404	7.4	7
37	Exchange-field enhancement of superconducting spin pumping. <i>Physical Review B</i> , 2019 , 99,	3.3	19
36	Enhanced spin pumping into superconductors provides evidence for superconducting pure spin currents. <i>Nature Materials</i> , 2018 , 17, 499-503	27	66
35	Scaling of the superconducting gap with orbital character in FeSe. <i>Physical Review B</i> , 2018 , 98,	3.3	33
34	Generation of pure superconducting spin current in magnetic heterostructures via nonlocally induced magnetism due to Landau Fermi liquid effects. <i>Physical Review B</i> , 2018 , 98,	3.3	17
33	Theory of Andreev bound states in S-F-S junctions and S-F proximity devices. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	7
32	Triplet Cooper pairs induced in diffusive s-wave superconductors interfaced with strongly spin-polarized magnetic insulators or half-metallic ferromagnets. <i>Scientific Reports</i> , 2017 , 7, 1932	4.9	20
31	Theory of surface spectroscopy for noncentrosymmetric superconductors. <i>Physical Review B</i> , 2017 , 95,	3.3	2
30	Spin-polarized supercurrents for spintronics: a review of current progress. <i>Reports on Progress in Physics</i> , 2015 , 78, 104501	14.4	271
29	Inverse proximity effect and influence of disorder on triplet supercurrents in strongly spin-polarized ferromagnets. <i>Physical Review B</i> , 2013 , 88,	3.3	17
28	Properties of Interfaces and Surfaces in Non-centrosymmetric Superconductors. <i>Lecture Notes in Physics</i> , 2012 , 313-357	0.8	7
27	A Numerical Study of the Superconducting Proximity Effect in Topological Surface States. <i>Journal of Physics: Conference Series</i> , 2012 , 391, 012149	0.3	4

26	Tailoring the Fulde-Ferrell-Larkin-Ovchinnikov state. <i>Annalen Der Physik</i> , 2012 , 524, A65-A67	2.6	2
25	Effect of spin fluctuations on the electronic structure in iron-based superconductors. <i>Physical Review B</i> , 2012 , 86,	3.3	5
24	Spin-polarized supercurrents for spintronics. <i>Physics Today</i> , 2011 , 64, 43	0.9	321
23	Electronic dispersion anomalies in iron pnictide superconductors. <i>Physical Review Letters</i> , 2011 , 106, 047003	7.4	9
22	Nonlocal conductance via overlapping Andreev bound states in ferromagnet-superconductor heterostructures. <i>Physical Review B</i> , 2010 , 82,	3.3	14
21	Theory of superconductor-ferromagnet point-contact spectra: The case of strong spin polarization. <i>Physical Review B</i> , 2010 , 81,	3.3	30
20	Signature of odd-frequency pairing correlations induced by a magnetic interface. <i>Physical Review B</i> , 2010 , 81,	3.3	63
19	Is CrO ₂ fully spin polarized? Analysis of Andreev spectra and excess current. <i>Physical Review Letters</i> , 2010 , 105, 207001	7.4	30
18	Spin-dependent cooper pair phase and pure spin supercurrents in strongly polarized ferromagnets. <i>Physical Review Letters</i> , 2009 , 102, 227005	7.4	81
17	Scattering problem in nonequilibrium quasiclassical theory of metals and superconductors: General boundary conditions and applications. <i>Physical Review B</i> , 2009 , 80,	3.3	65
16	Pairing symmetry conversion by spin-active interfaces in magnetic normal-metal-superconductor junctions. <i>Physical Review Letters</i> , 2009 , 102, 107008	7.4	82
15	Triplet supercurrents in clean and disordered half-metallic ferromagnets. <i>Nature Physics</i> , 2008 , 4, 138-143	16.2	292
14	Surface bound states and spin currents in noncentrosymmetric superconductors. <i>Physical Review Letters</i> , 2008 , 101, 127003	7.4	95
13	0- π Transitions in a superconductor/chiral ferromagnet/superconductor junction induced by a homogeneous cycloidal spiral. <i>Physical Review Letters</i> , 2008 , 100, 077003	7.4	39
12	Phase diagrams of ferromagnet-superconductor multilayers with misaligned exchange fields. <i>Physical Review B</i> , 2007 , 75,	3.3	24
11	Symmetries of Pairing Correlations in Superconductor/Ferromagnet Nanostructures. <i>Journal of Low Temperature Physics</i> , 2007 , 147, 457-476	1.3	149
10	The effect of collective spin-1 excitations on electronic spectra in high- T_c superconductors. <i>Advances in Physics</i> , 2006 , 55, 47-183	18.4	264
9	Superconducting proximity effect through a magnetic domain wall. <i>Physical Review B</i> , 2005 , 72,	3.3	21

8	Interplay of magnetic and superconducting proximity effects in ferromagnet-superconductor-ferromagnet trilayers. <i>Physical Review Letters</i> , 2005 , 95, 187003	7.4	88
7	Singlet-Triplet Mixing in Superconductor-Ferromagnet Hybrid Devices. <i>Advances in Solid State Physics</i> , 2004 , 533-546		27
6	Spatially resolved electronic structure inside and outside the vortex cores of a high-temperature superconductor. <i>Nature</i> , 2001 , 413, 501-4	50.4	158
5	Neutron resonance: modeling photoemission and tunneling data in the superconducting state of Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . <i>Physical Review Letters</i> , 2000 , 85, 3261-4	7.4	181
4	Distribution functions in nonequilibrium theory of superconductivity and Andreev spectroscopy in unconventional superconductors. <i>Physical Review B</i> , 2000 , 61, 9061-9076	3.3	166
3	Electromagnetic response of a pancake vortex in high-T _c superconductors. <i>European Physical Journal D</i> , 1996 , 46, 987-988		1
2	Superfluid Precursor Effects in a Model of Hybridized Bosons and Fermions. <i>Physical Review Letters</i> , 1995 , 74, 4027-4030	7.4	122
1	Corrections to Fermi-liquid theory of correlated metals. <i>Journal of Low Temperature Physics</i> , 1994 , 95, 323-327	1.3	11