

Fabian Hassler

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6655866/fabian-hassler-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.

66
papers

1,708
citations

19
h-index

40
g-index

73
ext. papers

2,073
ext. citations

4
avg, IF

4.99
L-index

#	Paper	IF	Citations
66	Period Tripling due to Parametric Down-Conversion in Circuit QED.. <i>Physical Review Letters</i> , 2022 , 128, 187701	7.4	0
65	Network model for higher-order topological phases. <i>Physical Review B</i> , 2021 , 103,	3.3	3
64	Phase-coherent heat circulators with normal or superconducting contacts. <i>Physical Review B</i> , 2021 , 103,	3.3	2
63	Universality of photon counting below a local bifurcation threshold. <i>Physical Review A</i> , 2021 , 103,	2.6	2
62	Exact rotating wave approximation. <i>Annals of Physics</i> , 2020 , 423, 168327	2.5	2
61	Observation of the Spin-Orbit Gap in Bilayer Graphene by One-Dimensional Ballistic Transport. <i>Physical Review Letters</i> , 2020 , 124, 177701	7.4	20
60	Weak Measurement Protocols for Majorana Bound State Identification. <i>Physical Review Letters</i> , 2020 , 124, 096801	7.4	20
59	Time-resolved electrical detection of chiral edge vortex braiding. <i>SciPost Physics</i> , 2020 , 8,	6.1	3
58	Half-integer charge injection by a Josephson junction without excess noise. <i>Physical Review B</i> , 2020 , 102,	3.3	1
57	Topological ordering in the Majorana toric code. <i>Physical Review B</i> , 2019 , 100,	3.3	2
56	Mesoscopic effects in the heat conductance of superconducting-normal-superconducting and normal-superconducting junctions. <i>Physical Review B</i> , 2019 , 99,	3.3	6
55	Broadband Lamb shift in an engineered quantum system. <i>Nature Physics</i> , 2019 , 15, 533-537	16.2	20
54	Equation of motion approach to black-box quantization: Taming the multimode Jaynes-Cummings model. <i>Physical Review B</i> , 2019 , 99,	3.3	3
53	Statistics of radiation due to nondegenerate Josephson parametric down-conversion. <i>Physical Review B</i> , 2019 , 100,	3.3	3
52	Chiral one-dimensional Floquet topological insulators beyond the rotating wave approximation. <i>Physical Review B</i> , 2019 , 100,	3.3	10
51	Optimal gauge for the multimode Rabi model in circuit QED. <i>Physical Review Research</i> , 2019 , 1,	3.9	7
50	Dynamical structure factor in the non-Abelian phase of the Kitaev honeycomb model in the presence of quenched disorder. <i>Physical Review B</i> , 2019 , 99,	3.3	3

49	Quantum transport through MoS constrictions defined by photodoping. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 205001	1.8	13
48	Charge response of the Majorana toric code. <i>Physical Review B</i> , 2018 , 97,	3.3	3
47	Dual Shapiro steps of a phase-slip junction in the presence of a parasitic capacitance. <i>Physical Review B</i> , 2018 , 98,	3.3	6
46	Calculation of tunnel couplings in open gate-defined disordered quantum dot systems. <i>Physical Review B</i> , 2018 , 98,	3.3	1
45	Breakdown of the Law of Reflection at a Disordered Graphene Edge. <i>Physical Review Letters</i> , 2018 , 121, 136803	7.4	1
44	Measurement-induced entanglement of two transmon qubits by a single photon. <i>New Journal of Physics</i> , 2017 , 19, 053018	2.9	3
43	Korshunov instantons in a superconductor at elevated bias current. <i>Physical Review B</i> , 2017 , 96,	3.3	1
42	Quantum Phase Transitions of the Majorana Toric Code in the Presence of Finite Cooper-Pair Tunneling. <i>Physical Review Letters</i> , 2017 , 119, 180508	7.4	9
41	Aharonov-Bohm oscillations and magnetic focusing in ballistic graphene rings. <i>Physical Review B</i> , 2017 , 96,	3.3	7
40	Universal power-law decay of electron-electron interactions due to nonlinear screening in a Josephson junction array. <i>Physical Review B</i> , 2016 , 94,	3.3	4
39	Changing anyonic ground degeneracy with engineered gauge fields. <i>Physical Review B</i> , 2016 , 94,	3.3	4
38	Dual approach to circuit quantization using loop charges. <i>Physical Review B</i> , 2016 , 94,	3.3	10
37	Dephasing due to quasiparticle tunneling in fluxonium qubits: a phenomenological approach. <i>New Journal of Physics</i> , 2015 , 17, 065012	2.9	7
36	Microwave readout of Majorana qubits. <i>Physical Review B</i> , 2015 , 91,	3.3	14
35	Majorana-assisted nonlocal electron transport through a floating topological superconductor. <i>Physical Review B</i> , 2015 , 92,	3.3	10
34	Second-order coherence of microwave photons emitted by a quantum point contact. <i>Physical Review B</i> , 2015 , 92,	3.3	8
33	Simulation of supersymmetric quantum mechanics in a Cooper-pair box shunted by a Josephson rhombus. <i>Physical Review B</i> , 2015 , 92,	3.3	2
32	Exchange interaction of two spin qubits mediated by a superconductor. <i>Physical Review B</i> , 2015 , 92,	3.3	12

31	Thermal conductance as a probe of the nonlocal order parameter for a topological superconductor with gauge fluctuations. <i>Physical Review B</i> , 2014 , 89,	3.3	10
30	Supersymmetry in the Majorana Cooper-pair box. <i>Physical Review B</i> , 2014 , 90,	3.3	5
29	Majorana fermions coupled to electromagnetic radiation. <i>New Journal of Physics</i> , 2014 , 16, 015009	2.9	11
28	Measurement and dephasing of a flux qubit due to heat currents. <i>New Journal of Physics</i> , 2014 , 16, 045020	2.9	14
27	Suppression of 2π phase slip due to hidden zero modes in one-dimensional topological superconductors. <i>Physical Review B</i> , 2013 , 87,	3.3	10
26	Effects of nonequilibrium noise on a quantum memory encoded in Majorana zero modes. <i>Physical Review B</i> , 2013 , 88,	3.3	14
25	Strongly interacting Majorana modes in an array of Josephson junctions. <i>New Journal of Physics</i> , 2012 , 14, 125018	2.9	76
24	Coulomb-assisted braiding of Majorana fermions in a Josephson junction array. <i>New Journal of Physics</i> , 2012 , 14, 035019	2.9	196
23	Dynamical detection of Majorana fermions in current-biased nanowires. <i>Physical Review B</i> , 2012 , 86,	3.3	98
22	Scattering theory of topological insulators and superconductors. <i>Physical Review B</i> , 2012 , 85,	3.3	101
21	From Majorana fermions to topological order. <i>Physical Review Letters</i> , 2012 , 108, 260504	7.4	60
20	Statistics of radiation at Josephson parametric resonance. <i>Physical Review B</i> , 2012 , 86,	3.3	24
19	Coulomb stability of the $4e$ periodic Josephson effect of Majorana fermions. <i>Physical Review B</i> , 2011 , 84,	3.3	91
18	Topological quantum number and critical exponent from conductance fluctuations at the quantum Hall plateau transition. <i>Physical Review B</i> , 2011 , 84,	3.3	26
17	Quantized conductance at the Majorana phase transition in a disordered superconducting wire. <i>Physical Review Letters</i> , 2011 , 106, 057001	7.4	203
16	Influence of a random telegraph process on the transport through a point contact. <i>European Physical Journal B</i> , 2011 , 83, 349-356	1.2	1
15	The top-transmon: a hybrid superconducting qubit for parity-protected quantum computation. <i>New Journal of Physics</i> , 2011 , 13, 095004	2.9	100
14	Probing Majorana edge states with a flux qubit. <i>Physical Review B</i> , 2011 , 84,	3.3	8

13	Scattering formula for the topological quantum number of a disordered multimode wire. <i>Physical Review B</i> , 2011 , 83,	3.3	119
12	Proposal for an optical laser producing light at half the Josephson frequency. <i>Physical Review Letters</i> , 2011 , 107, 073901	7.4	19
11	Dynamical unbinding transition in a periodically driven Mott insulator. <i>Physical Review Letters</i> , 2010 , 104, 220402	7.4	9
10	Flat-lens focusing of electrons on the surface of a topological insulator. <i>Physical Review B</i> , 2010 , 82,	3.3	19
9	Nonzero temperature effects on antibunched photons emitted by a quantum point contact out of equilibrium. <i>Physical Review B</i> , 2010 , 81,	3.3	8
8	Measurement Back-Action in Quantum Point-Contact Charge Sensing. <i>Entropy</i> , 2010 , 12, 1721-1732	2.8	4
7	Anyonic interferometry without anyons: how a flux qubit can read out a topological qubit. <i>New Journal of Physics</i> , 2010 , 12, 125002	2.9	132
6	Quantum manipulation in a Josephson light-emitting diode. <i>Nanotechnology</i> , 2010 , 21, 274004	3.4	14
5	Noise-induced spectral shift measured in a double quantum dot. <i>Physical Review B</i> , 2009 , 80,	3.3	9
4	Coherent pumping of a Mott insulator: Fermi golden rule versus Rabi oscillations. <i>Physical Review A</i> , 2009 , 79,	2.6	8
3	Wave-packet formalism of full counting statistics. <i>Physical Review B</i> , 2008 , 78,	3.3	58
2	Effects of exchange symmetry on full counting statistics. <i>Physical Review Letters</i> , 2007 , 99, 076804	7.4	11
1	Using qubits to measure fidelity in mesoscopic systems. <i>Physical Review Letters</i> , 2006 , 96, 106801	7.4	27