Teemu Ojanen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8759552/publications.pdf

Version: 2024-02-01

43	1,921	304743	254184
papers	citations	22 h-index	43 g-index

44	44	44	2051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reply to: â€œTopological and trivial domain wall states in engineered atomic chainsâ€: Npj Quantum Materials, 2022, 7, .	5.2	0
2	Many-body entanglement and topology from uncertainties and measurement-induced modes. Physical Review Research, 2022, 4, .	3.6	6
3	Dynamical quantum phase transitions in strongly correlated two-dimensional spin lattices following a quench. Physical Review Research, 2022, 4, .	3.6	8
4	Determination of Dynamical Quantum Phase Transitions in Strongly Correlated Many-Body Systems Using Loschmidt Cumulants. Physical Review X, 2021, 11, .	8.9	21
5	Entanglement echo and dynamical entanglement transitions. Physical Review Research, 2021, 3, .	3.6	5
6	Topological superconductivity in a van der Waals heterostructure. Nature, 2020, 588, 424-428.	27.8	211
7	Tuneable topological domain wall states in engineered atomic chains. Npj Quantum Materials, 2020, 5, .	5.2	33
8	Topological phase transitions in glassy quantum matter. Physical Review Research, 2020, 2, .	3.6	20
9	Topological magnetotorsional effect in Weyl semimetals. Physical Review Research, 2020, 2, .	3.6	17
10	Criticality in amorphous topological matter: Beyond the universal scaling paradigm. Physical Review Research, 2020, 2, .	3.6	16
11	Observation of Coexistence of Yu-Shiba-Rusinov States and Spin-Flip Excitations. Nano Letters, 2019, 19, 4614-4619.	9.1	53
12	Engineering of Chern insulators and circuits of topological edge states. Physical Review B, 2019, 99, .	3.2	7
13	Curved spacetime theory of inhomogeneous Weyl materials. Physical Review Research, 2019, 1, .	3.6	28
14	Coupled Yuâ€“Shibaâ€“Rusinov States in Molecular Dimers on NbSe₂. Nano Letters, 2018, 18, 2311-2315.	9.1	83
15	Amorphous topological superconductivity in a Shiba glass. Nature Communications, 2018, 9, 2103.	12.8	49
16	Topological states in engineered atomic lattices. Nature Physics, 2017, 13, 668-671.	16.7	225
17	Designer Curved-Space Geometry for Relativistic Fermions in Weyl Metamaterials. Physical Review X, 2017, 7, .	8.9	42
18	Skyrmion-induced bound states in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave superconductor. Physical Review B, 2016, 94, .	3.2	14

#	Article	IF	Citations
19	Topological state engineering by potential impurities on chiral superconductors. Physical Review B, 2016, 94, .	3.2	20
20	Visualizing the chiral anomaly in Dirac and Weyl semimetals with photoemission spectroscopy. Physical Review B, 2016, 93, .	3.2	45
21	Topological Superconductivity and High Chern Numbers in 2D Ferromagnetic Shiba Lattices. Physical Review Letters, 2015, 114, 236803.	7.8	138
22	Topological properties of helical Shiba chains with general impurity strength and hybridization. Physical Review B, 2015, 91, .	3.2	39
23	Tuning topological superconductivity in helical Shiba chains by supercurrent. Physical Review B, 2014, 90, .	3.2	33
24	Majorana states in helical Shiba chains and ladders. Physical Review B, 2014, 89, .	3.2	133
25	Topological‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"›‹mml:mi›Ï€‹/mml:mi›‹/mml:math›Josephson junction in superconducting Rashba wires. Physical Review B, 2013, 87, .	3.2	38
26	Anomalous electromagnetic response of superconducting Rashba systems in trivial and topological phases. Physical Review B, 2013, 87, .	3.2	11
27	Majorana states and devices in magnetic structures. Physical Review B, 2013, 88, .	3.2	10
28	Helical Fermi arcs and surface states in time-reversal invariant Weyl semimetals. Physical Review B, 2013, 87, .	3.2	108
29	Theory of single-electron heat engines coupled to electromagnetic environments. Physical Review B, 2012, 86, .	3.2	44
30	Magnetoelectric Effects in Superconducting Nanowires with Rashba Spin-Orbit Coupling. Physical Review Letters, 2012, 109, 226804.	7.8	19
31	Photoinduced helical metal and magnetization in two-dimensional electron systems with spin-orbit coupling. Physical Review B, 2012, 85, .	3.2	13
32	Single-electron heat diode: Asymmetric heat transport between electronic reservoirs through Coulomb islands. Physical Review B, 2011, 83, .	3.2	74
33	Electrical Manipulation and Measurement of Spin Properties of Quantum Spin Hall Edge States. Physical Review Letters, 2011, 106, 076803.	7.8	31
34	Thermal conductance in a spin-boson model: Cotunneling and low-temperature properties. Physical Review B, 2011, 83, .	3.2	40
35	Chiral Topological Phases and Fractional Domain Wall Excitations in One-Dimensional Chains and Wires. Physical Review Letters, 2011, 107, 166804.	7.8	27
36	Mesoscopic persistent currents in a strong magnetic field. Physical Review B, 2010, 81, .	3.2	17

#	Article	IF	Citations
37	Selection-rule blockade and rectification in quantum heat transport. Physical Review B, 2009, 80, .	3.2	19
38	Thermal rectification in nonlinear quantum circuits. Physical Review B, 2009, 79, .	3.2	95
39	Electromechanical instability in vibrating quantum dots with effectively negative charging energy. Physical Review B, 2009, 80, .	3.2	4
40	Mesoscopic Photon Heat Transistor. Physical Review Letters, 2008, 100, 155902.	7.8	93
41	Quantum detectors for the third cumulant of current fluctuations. Physical Review B, 2007, 75, .	3.2	10
42	Photon heat transport in low-dimensional nanostructures. Physical Review B, 2007, 76, .	3.2	20
43	State-dependent impedance of a strongly coupledoscillatorâ”qubitsystem. Physical Review B, 2005, 72, .	3.2	1