

Nicholas Sedlmayr

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6303579/nicholas-sedlmayr-publications-by-citations.pdf>

Version: 2024-04-29

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.

40
papers

402
citations

11
h-index

18
g-index

46
ext. papers

534
ext. citations

2.8
avg, IF

4.11
L-index

#	Paper	IF	Citations
40	Locality and thermalization in closed quantum systems. <i>Physical Review A</i> , 2014 , 89,	2.6	40
39	Boundary fidelity and entanglement in the symmetry protected topological phase of the SSH model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P10032	1.9	35
38	Visualizing Majorana bound states in one and two dimensions using the generalized Majorana polarization. <i>Physical Review B</i> , 2015 , 92,	3.3	32
37	Majorana bound states in open quasi-one-dimensional and two-dimensional systems with transverse Rashba coupling. <i>Physical Review B</i> , 2016 , 93,	3.3	29
36	Flat Majorana bands in two-dimensional lattices with inhomogeneous magnetic fields: Topology and stability. <i>Physical Review B</i> , 2015 , 91,	3.3	28
35	Bulk-boundary correspondence for dynamical phase transitions in one-dimensional topological insulators and superconductors. <i>Physical Review B</i> , 2018 , 97,	3.3	25
34	Fate of dynamical phase transitions at finite temperatures and in open systems. <i>Physical Review B</i> , 2018 , 97,	3.3	22
33	Transport and scattering in inhomogeneous quantum wires. <i>Physical Review B</i> , 2012 , 86,	3.3	16
32	Tunnelling density of states at Coulomb-blockade peaks. <i>Europhysics Letters</i> , 2006 , 76, 109-114	1.6	14
31	Current-induced interactions of multiple domain walls in magnetic quantum wires. <i>Physical Review B</i> , 2009 , 79,	3.3	13
30	Universal fidelity near quantum and topological phase transitions in finite one-dimensional systems. <i>Physical Review B</i> , 2016 , 93,	3.3	11
29	Bulk boundary correspondence and the existence of Majorana bound states on the edges of 2D topological superconductors. <i>Physical Review B</i> , 2017 , 96,	3.3	11
28	Closed and open system dynamics in a fermionic chain with a microscopically specified bath: relaxation and thermalization. <i>Physical Review Letters</i> , 2013 , 110, 100406	7.4	11
27	Electron scattering from domain walls in ferromagnetic Luttinger liquids. <i>Physical Review B</i> , 2011 , 84,	3.3	10
26	Signature of a topological phase transition in long SN junctions in the spin-polarized density of states. <i>Europhysics Letters</i> , 2016 , 115, 47005	1.6	9
25	Conducting fixed points for inhomogeneous quantum wires: A conformally invariant boundary theory. <i>Physical Review B</i> , 2014 , 89,	3.3	9
24	Quasiperiodic dynamical quantum phase transitions in multiband topological insulators and connections with entanglement entropy and fidelity susceptibility. <i>Physical Review B</i> , 2020 , 101,	3.3	8

23	Majoranas with and without a characterc hybridization, braiding and chiral Majorana number. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 455601	1.8	7
22	Two-band Luttinger liquid with spin-orbit coupling: Applications to monatomic chains on surfaces. <i>Physical Review B</i> , 2013 , 88,	3.3	7
21	Conductance in inhomogeneous quantum wires: Luttinger liquid predictions and quantum Monte Carlo results. <i>Physical Review B</i> , 2016 , 94,	3.3	7
20	Scanning tunneling microscopy of superconducting topological surface states in Bi ₂ Se ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	6
19	Scaling of intrinsic domain wall magnetoresistance with confinement in electromigrated nanocontacts. <i>Physical Review B</i> , 2019 , 99,	3.3	6
18	Spin-density waves and domain wall interactions in nanowires. <i>Physical Review B</i> , 2011 , 83,	3.3	6
17	Particle injection into a chain: decoherence versus relaxation for Hermitian and non-Hermitian dynamics. <i>Annalen Der Physik</i> , 2012 , 524, 286-301	2.6	5
16	Theory of the conductance of interacting quantum wires with good contacts and applications to carbon nanotubes. <i>Physical Review B</i> , 2013 , 87,	3.3	5
15	Dynamical Phase Transitions in Topological Insulators. <i>Acta Physica Polonica A</i> , 2019 , 135, 1191-1197	0.6	5
14	Dimerization-induced topological superconductivity in a Rashba nanowire. <i>Physical Review B</i> , 2020 , 101,	3.3	4
13	Spin and charge transport through non-collinear magnetic nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1419-1421	2.8	3
12	Transport properties of an interacting quantum dot with a non-uniform magnetization. <i>Europhysics Letters</i> , 2008 , 83, 57003	1.6	3
11	How to measure the Majorana polarization of a topological planar Josephson junction. <i>Physical Review B</i> , 2020 , 102,	3.3	3
10	Chiral Hall effect in the kink states in topological insulators with magnetic domain walls. <i>Physical Review B</i> , 2020 , 101,	3.3	2
9	Indirect interaction of magnetic domain walls. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 450-452	4.5	2
8	Negative differential magnetoresistance in ferromagnetic wires with domain walls. <i>Physical Review B</i> , 2012 , 86,	3.3	2
7	Role of non-collinear magnetization: From ferromagnetic nanowires to quantum rings. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2603-2609	1.3	2
6	Dynamics of the polarization of a pinned domain wall in a magnetic nanowire. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 235-238	1.3	1

5	Hybridization mechanism of the dual proximity effect in superconductor/topological insulator interfaces. <i>Solid State Communications</i> , 2021 , 327, 114221	1.6	1
4	Majorana bound states in a superconducting Rashba nanowire in the presence of antiferromagnetic order. <i>Physical Review B</i> , 2021 , 103,	3.3	1
3	Analytical and semianalytical tools to determine the topological character of Shiba chains. <i>Physical Review B</i> , 2021 , 104,	3.3	1
2	Non-collinear ferromagnetic Luttinger liquids. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012107	0.3	
1	Current Induced Dynamics of One-Dimensional Skyrmions. <i>Acta Physica Polonica A</i> , 2019 , 135, 1268-1270.	0.6	