

# Thomas L Schmidt

## List of Publications by Year in Descending Order

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

54  
papers

1,242  
citations

17  
h-index

34  
g-index

61  
ext. papers

1,513  
ext. citations

4.4  
avg, IF

5  
L-index

#	Paper	IF	Citations
54	Universal Hall conductance scaling in non-Hermitian Chern insulators. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	3
53	Generalized Chern numbers based on open system Green's functions. <i>New Journal of Physics</i> , <b>2021</b> , 23, 073009	2.9	0
52	Transport properties of coupled Majorana bound states in the Coulomb blockade regime. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	3
51	Casimir force between Weyl semimetals in a chiral medium. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
50	Bosonization for fermions and parafermions. <i>European Physical Journal: Special Topics</i> , <b>2020</b> , 229, 621-636		2
49	Heat transport in overdamped quantum systems. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
48	Current correlations of Cooper-pair tunneling into a quantum Hall system. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
47	Disorder-driven exceptional lines and Fermi ribbons in tilted nodal-line semimetals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	66
46	Mechanical Resonances of Mobile Impurities in a One-Dimensional Quantum Fluid. <i>Physical Review Letters</i> , <b>2019</b> , 123, 075302	7.4	1
45	Entropy production in one-dimensional quantum fluids. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
44	Parafermion braiding in fractional quantum Hall edge states with a finite chemical potential. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	5
43	Quantum thermodynamics of the resonant-level model with driven system-bath coupling. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	22
42	Fermionic reaction coordinates and their application to an autonomous Maxwell demon in the strong-coupling regime. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	56
41	Fundamental limits to helical edge conductivity due to spin-phonon scattering. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	8
40	Universal scaling of quench-induced correlations in a one-dimensional channel at finite temperature. <i>SciPost Physics</i> , <b>2018</b> , 4,	6.1	4
39	Unconventional superconductivity in the extended Hubbard model: Weak-coupling renormalization group. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
38	Z <sub>4</sub> parafermions in one-dimensional fermionic lattices. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	14

37	Magnetotransport signatures of three-dimensional topological insulator nanostructures. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	10
36	Spin-orbit coupling in quasi-one-dimensional Wigner crystals. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	3
35	Missing Shapiro steps and the 8 $\pi$ -periodic Josephson effect in interacting helical electron systems. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	15
34	Charge and energy fractionalization mechanism in one-dimensional channels. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	11
33	Charge pumping in strongly coupled molecular quantum dots. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	2
32	Helical gaps in interacting Rashba wires at low electron densities. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	9
31	Nonlocal quantum state engineering with the Cooper pair splitter beyond the Coulomb blockade regime. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	9
30	Emission of entangled Kramers pairs from a helical mesoscopic capacitor. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	7
29	Reprint of : Full counting statistics of Majorana interferometers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 82, 333-339	3	
28	Transport through a quantum spin Hall antidot as a spectroscopic probe of spin textures. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	6
27	Lifting the Franck-Condon blockade in driven quantum dots. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	4
26	The topological Anderson insulator phase in the Kane-Mele model. <i>Scientific Reports</i> , <b>2016</b> , 6, 24007	4-9	17
25	Dynamic response functions and helical gaps in interacting Rashba nanowires with and without magnetic fields. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	18
24	Non-Abelian parafermions in time-reversal-invariant interacting helical systems. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	64
23	Spin texture of generic helical edge states. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	25
22	Detecting nonlocal Cooper pair entanglement by optical Bell inequality violation. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	12
21	Tunneling between helical Majorana modes and helical Luttinger liquids. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	3
20	Full counting statistics of Majorana interferometers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 74, 489-495	3	2

19	Structure factor of interacting one-dimensional helical systems. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	5
18	Josephson effect in normal and ferromagnetic topological-insulator junctions: Planar, step, and edge geometries. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	10
17	Detecting an exciton crystal by statistical means. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 441, 33-36	2.8	1
16	Electron transport in multiterminal networks of Majorana bound states. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	30
15	Transport properties of double quantum dots with electron-phonon coupling. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	16
14	Finite-temperature conductance of interacting quantum wires with Rashba spin-orbit coupling. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	13
13	Majorana qubit rotations in microwave cavities. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107006	7.4	37
12	Strongly correlated dynamics in multichannel quantum RC circuits. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	16
11	Microwave-controlled coupling of Majorana bound states. <i>New Journal of Physics</i> , <b>2013</b> , 15, 025043	2.9	31
10	Point contacts and localization in generic helical liquids. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	12
9	Inelastic electron backscattering in a generic helical edge channel. <i>Physical Review Letters</i> , <b>2012</b> , 108, 156402	7.4	155
8	One-dimensional quantum liquids: Beyond the Luttinger liquid paradigm. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 1253-1306	40.5	295
7	Current correlations in quantum spin Hall insulators. <i>Physical Review Letters</i> , <b>2011</b> , 107, 096602	7.4	46
6	Detecting Majorana bound states by nanomechanics. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	21
5	Fate of 1D spin-charge separation away from Fermi points. <i>Physical Review Letters</i> , <b>2010</b> , 104, 116403	7.4	44
4	Detection of qubit-oscillator entanglement in nanoelectromechanical systems. <i>Physical Review Letters</i> , <b>2010</b> , 104, 177205	7.4	16
3	Spin-charge separation in one-dimensional fermion systems beyond Luttinger liquid theory. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	47
2	Transient dynamics of a molecular quantum dot with a vibrational degree of freedom. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	30

- 1 On the visibility of electron-electron interaction effects in field emission spectra. *Solid State Communications*, **2005**, 135, 455-460 1.6