

# Thomas L Schmidt

## List of Publications by Citations

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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	One-dimensional quantum liquids: Beyond the Luttinger liquid paradigm. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 1253-1306	40.5	295
53	Inelastic electron backscattering in a generic helical edge channel. <i>Physical Review Letters</i> , <b>2012</b> , 108, 156402	7.4	155
52	Disorder-driven exceptional lines and Fermi ribbons in tilted nodal-line semimetals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	66
51	Non-Abelian parafermions in time-reversal-invariant interacting helical systems. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	64
50	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
49	Spin-charge separation in one-dimensional fermion systems beyond Luttinger liquid theory. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	47
48	Current correlations in quantum spin Hall insulators. <i>Physical Review Letters</i> , <b>2011</b> , 107, 096602	7.4	46
47	Fate of 1D spin-charge separation away from Fermi points. <i>Physical Review Letters</i> , <b>2010</b> , 104, 116403	7.4	44
46	Majorana qubit rotations in microwave cavities. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107006	7.4	37
45	Microwave-controlled coupling of Majorana bound states. <i>New Journal of Physics</i> , <b>2013</b> , 15, 025043	2.9	31
44	Electron transport in multiterminal networks of Majorana bound states. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	30
43	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
42	Spin texture of generic helical edge states. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	25
41	Quantum thermodynamics of the resonant-level model with driven system-bath coupling. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	22
40	Detecting Majorana bound states by nanomechanics. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	21
39	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
38	The topological Anderson insulator phase in the Kane-Mele model. <i>Scientific Reports</i> , <b>2016</b> , 6, 24007	4.9	17

37	Transport properties of double quantum dots with electron-phonon coupling. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	16
36	Strongly correlated dynamics in multichannel quantum RC circuits. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	16
35	Detection of qubit-oscillator entanglement in nanoelectromechanical systems. <i>Physical Review Letters</i> , <b>2010</b> , 104, 177205	7-4	16
34	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
33	Z <sub>4</sub> parafermions in one-dimensional fermionic lattices. <i>Physical Review B</i> , <b>2018</b> , 98,	3-3	14
32	Finite-temperature conductance of interacting quantum wires with Rashba spin-orbit coupling. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	13
31	Detecting nonlocal Cooper pair entanglement by optical Bell inequality violation. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	12
30	Point contacts and localization in generic helical liquids. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	12
29	Charge and energy fractionalization mechanism in one-dimensional channels. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	11
28	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
27	Magnetotransport signatures of three-dimensional topological insulator nanostructures. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	10
26	Helical gaps in interacting Rashba wires at low electron densities. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	9
25	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
24	Fundamental limits to helical edge conductivity due to spin-phonon scattering. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	8
23	Emission of entangled Kramers pairs from a helical mesoscopic capacitor. <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	7
22	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
21	Structure factor of interacting one-dimensional helical systems. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	5
20	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

19	Casimir force between Weyl semimetals in a chiral medium. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
18	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
17	Lifting the Franck-Condon blockade in driven quantum dots. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
16	Unconventional superconductivity in the extended Hubbard model: Weak-coupling renormalization group. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
15	Spin-orbit coupling in quasi-one-dimensional Wigner crystals. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	3
14	Transport properties of coupled Majorana bound states in the Coulomb blockade regime. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	3
13	Tunneling between helical Majorana modes and helical Luttinger liquids. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	3
12	Current correlations of Cooper-pair tunneling into a quantum Hall system. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
11	Universal Hall conductance scaling in non-Hermitian Chern insulators. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	3
10	Bosonization for fermions and parafermions. <i>European Physical Journal: Special Topics</i> , <b>2020</b> , 229, 621-636,	3.3	2
9	Charge pumping in strongly coupled molecular quantum dots. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	2
8	Full counting statistics of Majorana interferometers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 74, 489-495	3	2
7	Mechanical Resonances of Mobile Impurities in a One-Dimensional Quantum Fluid. <i>Physical Review Letters</i> , <b>2019</b> , 123, 075302	7.4	1
6	Entropy production in one-dimensional quantum fluids. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
5	Detecting an exciton crystal by statistical means. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 441, 33-36	2.8	1
4	Heat transport in overdamped quantum systems. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
3	Generalized Chern numbers based on open system Green's functions. <i>New Journal of Physics</i> , <b>2021</b> , 23, 073009	2.9	0
2	Reprint of : Full counting statistics of Majorana interferometers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 82, 333-339	3	

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