Jan Carl Budich

List of Publications by Year
in descending order

38	3,128	331670	315739
papers	citations	21 h-index	38 g-index

39	39	39	1752
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum non-Hermitian topological sensors. Physical Review Research, 2022, 4, .	3.6	32
2	Mesoscopic transport signatures of disorder-induced non-Hermitian phases. Physical Review Research, 2022, 4, .	3.6	3
3	Exceptional topology of non-Hermitian systems. Reviews of Modern Physics, 2021, 93, .	45.6	680
4	Simulating Exceptional Non-Hermitian Metals with Single-Photon Interferometry. Physical Review Letters, 2021, 127, 026404.	7.8	40
5	Exceptional non-Hermitian phases in disordered quantum wires. Physical Review B, 2021, 104, .	3.2	6
6	Dynamically Induced Exceptional Phases in Quenched Interacting Semimetals. Physical Review Letters, 2021, 127, 106601.	7.8	5
7	Dissipative preparation of fractional Chern insulators. Physical Review Research, 2021, 3, .	3.6	9
8	Non-Hermitian Topological Sensors. Physical Review Letters, 2020, 125, 180403.	7.8	157
9	Measuring a dynamical topological order parameter in quantum walks. Light: Science and Applications, 2020, 9, 7.	16.6	46
10	Bulk-boundary correspondence in non-Hermitian systems: stability analysis for generalized boundary conditions. European Physical Journal D, 2020, 74, 1.	1.3	49
11	Interacting topological frequency converter. Physical Review Research, 2020, 2, .	3.6	8
12	Signatures of topology in quantum quench dynamics and their interrelation. Physical Review Research, 2020, 2, .	3.6	18
13	Quench dynamics and Hall response of interacting Chern insulators. Physical Review B, 2019, 100, .	3.2	19
14	Unpaired Weyl Nodes from Long-Ranged Interactions: Fate of Quantum Anomalies. Physical Review Letters, 2019, 122, 046402.	7.8	15
15	Symmetry-protected nodal phases in non-Hermitian systems. Physical Review B, 2019, 99, .	3.2	183
16	Knotted non-Hermitian metals. Physical Review B, 2019, 99, .	3.2	93
17	Generalized transfer matrix states from artificial neural networks. Physical Review B, 2019, 99, .	3.2	24
18	First-order topological quantum phase transition in a strongly correlated ladder. Physical Review B, 2019, 99, .	3.2	15

#	Article	IF	Citations
19	Stability of dynamical quantum phase transitions in quenched topological insulators: From multiband to disordered systems. Physical Review B, 2019, 100, .	3.2	14
20	Non-Hermitian Weyl physics in topological insulator ferromagnet junctions. Physical Review Research, 2019, 1, .	3.6	76
21	Disentangling sources of quantum entanglement in quench dynamics. Physical Review Research, 2019, 1, .	3.6	8
22	Hyperbolic nodal band structures and knot invariants. SciPost Physics, 2019, 7, .	4.9	15
23	Dynamical equilibration of topological properties. Physical Review B, 2018, 98, .	3.2	10
24	Biorthogonal Bulk-Boundary Correspondence in Non-Hermitian Systems. Physical Review Letters, 2018, 121, 026808.	7.8	799
25	Helical Floquet Channels in 1D Lattices. Physical Review Letters, 2017, 118, 105302.	7.8	28
26	Dynamical Buildup of a Quantized Hall Response from Nontopological States. Physical Review Letters, 2016, 117, 126803.	7.8	81
27	Dynamical topological order parameters far from equilibrium. Physical Review B, 2016, 93, .	3.2	174
28	Topological aspects ofÏ€phase winding junctions in superconducting wires. Journal of Physics Condensed Matter, 2015, 27, 405701.	1.8	6
29	Dissipative preparation of Chern insulators. Physical Review A, 2015, 91, .	2.5	85
30	Topology of density matrices. Physical Review B, 2015, 91, .	3.2	78
31	Teleportation-induced entanglement of two nanomechanical oscillators coupled to a topological superconductor. Physical Review B, 2014, 89, .	3.2	7
32	Time Reversal Symmetric Topological Exciton Condensate in Bilayer HgTe Quantum Wells. Physical Review Letters, 2014, 112, 146405.	7.8	41
33	Majorana Bound States and Nonlocal Spin Correlations in a Quantum Wire on an Unconventional Superconductor. Physical Review Letters, 2013, 110, 117002.	7.8	110
34	Fluctuation-driven topological Hund insulators. Physical Review B, 2013, 87, .	3.2	65
35	Entanglement of nanoelectromechanical oscillators by Cooper-pair tunneling. Physical Review B, 2013, 88, .	3.2	18
36	Topological invariant for generic one-dimensional time-reversal-symmetric superconductors in class DIII. Physical Review B, 2013, 88, .	3.2	26

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37	From the adiabatic theorem of quantum mechanics to topological states of matter. Physica Status Solidi - Rapid Research Letters, 2013, 7, 109-129.	2.4	65
38	Resolution evaluation of MR images reconstructed by iterative thresholding algorithms for compressed sensing. Medical Physics, 2012, 39, 4328-4338.	3.0	20