

Michael H Kolodrubetz

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,360
citations

516710

16
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Ergodic dynamics and thermalization in an isolated quantum system. <i>Nature Physics</i> , 2016, 12, 1037-1041.	16.7	208
2	Geometry and non-adiabatic response in quantum and classical systems. <i>Physics Reports</i> , 2017, 697, 1-87.	25.6	178
3	Observation of topological transitions in interacting quantum circuits. <i>Nature</i> , 2014, 515, 241-244.	27.8	162
4	Schrieffer-Wolff Transformation for Periodically Driven Systems: Strongly Correlated Systems with Artificial Gauge Fields. <i>Physical Review Letters</i> , 2016, 116, 125301.	7.8	149
5	Nonequilibrium Dynamic Critical Scaling of the Quantum Ising Chain. <i>Physical Review Letters</i> , 2012, 109, 015701.	7.8	105
6	Classifying and measuring geometry of a quantum ground state manifold. <i>Physical Review B</i> , 2013, 88, .	3.2	100
7	Adiabatic perturbation theory and geometry of periodically-driven systems. <i>Physics Reports</i> , 2017, 688, 1-35.	25.6	82
8	Topological Floquet-Thouless Energy Pump. <i>Physical Review Letters</i> , 2018, 120, 150601.	7.8	54
9	Optically triggered Q-switched photonic crystal laser. <i>Optics Express</i> , 2005, 13, 4699.	3.4	42
10	Absence of thermalization in finite isolated interacting Floquet systems. <i>Physical Review B</i> , 2018, 97, .	3.2	35
11	Floquet quantum criticality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9491-9496.	7.1	33
12	Tunable axial gauge fields in engineered Weyl semimetals: semiclassical analysis and optical lattice implementations. <i>2D Materials</i> , 2018, 5, 024001.	4.4	32
13	Landau levels, Bardeen polynomials, and Fermi arcs in Weyl semimetals: Lattice-based approach to the chiral anomaly. <i>Physical Review B</i> , 2019, 99, .	3.2	30
14	Floquet Dynamics of Boundary-Driven Systems at Criticality. <i>Physical Review Letters</i> , 2017, 118, 260602.	7.8	25
15	Measuring the Second Chern Number from Nonadiabatic Effects. <i>Physical Review Letters</i> , 2016, 117, 015301.	7.8	22
16	Quasiperiodic Floquet-Thouless Energy Pump. <i>Physical Review Letters</i> , 2021, 127, 166804.	7.8	19
17	Coherent Holes in a Semiconductor Quantum Dot. <i>Science</i> , 2009, 325, 42-43.	12.6	13
18	Chern numbers and chiral anomalies in Weyl butterflies. <i>Physical Review B</i> , 2016, 94, .	3.2	13

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19	Strong-disorder renormalization group for periodically driven systems. <i>Physical Review B</i> , 2018, 98, .	3.2	10
20	Measuring Berry curvature with quantum Monte Carlo. <i>Physical Review B</i> , 2014, 89, .	3.2	9
21	Nonadiabatic bulk-surface oscillations in driven topological insulators. <i>Physical Review B</i> , 2016, 94, .	3.2	8
22	Many-Body Localization in the Presence of a Central Qudit. <i>Physical Review Letters</i> , 2019, 122, 240402.	7.8	8
23	Inverted many-body mobility edge in a central qudit problem. <i>Physical Review B</i> , 2022, 105, .	3.2	6
24	Quantized Floquet Topology with Temporal Noise. <i>Physical Review Letters</i> , 2021, 127, 270601.	7.8	6
25	Dynamic trapping near a quantum critical point. <i>Physical Review B</i> , 2015, 91, .	3.2	4
26	Enabling adiabatic passages between disjoint regions in parameter space through topological transitions. <i>Physical Review B</i> , 2016, 94, .	3.2	3
27	Localization dynamics in a centrally coupled system. <i>Physical Review B</i> , 2021, 103, .	3.2	3
28	Floquet engineering flat bands for bosonic fractional quantum Hall with superconducting circuits. <i>Physical Review B</i> , 2021, 104, .	3.2	1
29	Quenching our thirst for universality. <i>Nature</i> , 2018, 563, 191-192.	27.8	0