

Justin H Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

902
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Operator Scaling Dimensions and Multifractality at Measurement-Induced Transitions. Physical Review Letters, 2022, 128, 050602.	7.8	55
2	Analog spacetimes from nonrelativistic Goldstone modes in spinor condensates. Physical Review A, 2022, 105, .	2.5	3
3	Rare regions and avoided quantum criticality in disordered Weyl semimetals and superconductors. Annals of Physics, 2021, 435, 168455.	2.8	17
4	Moiré superlattice on the surface of a topological insulator. Physical Review B, 2021, 103, .	3.2	28
5	Controllable quantum point junction on the surface of an antiferromagnetic topological insulator. Nature Communications, 2021, 12, 3998.	12.8	17
6	Flat topological bands and eigenstate criticality in a quasiperiodic insulator. Physical Review B, 2021, 104, .	3.2	7
7	Magnetic Weyl Semimetallic Phase in Thin Films of EuO . Physical Review Letters, 2021, 127, 277204.	17.7	17
8	Magic-angle semimetals. Npj Quantum Materials, 2020, 5, .	5.2	37
9	Avoided quantum criticality in exact numerical simulations of a single disordered Weyl cone. Physical Review B, 2020, 102, .	3.2	15
10	Berry phase manipulation in ultrathin SrRuO ₃ films. Physical Review B, 2020, 102, .	3.2	26
11	Magic-angle semimetals with chiral symmetry. Physical Review B, 2020, 101, .	3.2	15
12	Tidal and nonequilibrium Casimir effects in free fall. Physical Review D, 2020, 101, .	4.7	13
13	Critical properties of the measurement-induced transition in random quantum circuits. Physical Review B, 2020, 101, .	3.2	177
14	Disorder in twisted bilayer graphene. Physical Review Research, 2020, 2, .	3.6	56
15	Casimir effect in free fall towards a Schwarzschild black hole. Physical Review D, 2019, 100, .	4.7	13
16	The equivalence principle at work in radiation from unaccelerated atoms and mirrors. Physica Scripta, 2019, 94, 014004.	2.5	23
17	Weyl Semimetal to Metal Phase Transitions Driven by Quasiperiodic Potentials. Physical Review Letters, 2018, 120, 207604.	7.8	34
18	Do the surface Fermi arcs in Weyl semimetals survive disorder?. Physical Review B, 2018, 97, .	3.2	34

#	ARTICLE	IF	CITATIONS
19	Quantum phases of disordered three-dimensional Majorana-Weyl fermions. Physical Review B, 2017, 95, .	3.2	20
20	Remnant Geometric Hall Response in a Quantum Quench. Physical Review Letters, 2016, 117, 235302.	7.8	61
21	Real-space mean-field theory of a spin-1 Bose gas in synthetic dimensions. Physical Review A, 2016, 94, .	2.5	15
22	Quantum interference phenomena in the Casimir effect. Physical Review A, 2015, 91, .	2.5	2
23	Repulsive Casimir force between Weyl semimetals. Physical Review B, 2015, 91, .	3.2	37
24	Resonant Faraday and Kerr effects due to in-gap states on the surface of a topological insulator. Physical Review B, 2014, 90, .	3.2	8
25	Nonanalytic behavior of the Casimir force across a Lifshitz transition in a spin-orbit-coupled material. Physical Review B, 2014, 90, .	3.2	3
26	Probing the structure of entanglement with entanglement moments. Solid State Communications, 2014, 195, 43-48.	1.9	0
27	Entanglement dynamics in a non-Markovian environment: An exactly solvable model. Physical Review B, 2012, 85, .	3.2	17
28	Breakdown of the Coherent State Path Integral: Two Simple Examples. Physical Review Letters, 2011, 106, 110401.	7.8	27
29	Mathematical aspects of vacuum energy on quantum graphs. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 025204.	2.1	8
30	Index theorems for quantum graphs. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14165-14180.	2.1	47
31	Vacuum energy and repulsive Casimir forces in quantum star graphs. Physical Review A, 2007, 76, .	2.5	70