

Pontus Laurell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4083540/publications.pdf>

Version: 2024-02-01

16
papers

617
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

744
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric properties of Weyl and Dirac semimetals. Physical Review B, 2014, 90, .	3.2	191
2	Magnon thermal Hall effect in kagome antiferromagnets with Dzyaloshinskii-Moriya interactions. Physical Review B, 2018, 98, .	3.2	65
3	Dynamical and thermal magnetic properties of the Kitaev spin liquid candidate \hat{I}_{\pm} -RuCl ₃ . Npj Quantum Materials, 2020, 5, .	5.2	57
4	Topological Magnon Bands and Unconventional Superconductivity in Pyrochlore Iridate Thin Films. Physical Review Letters, 2017, 118, 177201.	7.8	50
5	Flow Equation Approach to Periodically Driven Quantum Systems. Physical Review X, 2019, 9, .	8.9	44
6	Witnessing entanglement in quantum magnets using neutron scattering. Physical Review B, 2021, 103, .	3.2	39
7	Deriving models for the Kitaev spin-liquid candidate material \hat{I}_{\pm} from first principles. Physical Review B, 2019, 100, .	7.8	33
8	Quantifying and Controlling Entanglement in the Quantum Magnet Cs from first principles. Physical Review Letters, 2021, 127, 037201.	7.8	33
9	Van Hove singularity in the magnon spectrum of the antiferromagnetic quantum honeycomb lattice. Nature Communications, 2021, 12, 171.	12.8	24
10	Universal entanglement spectra in critical spin chains. Physical Review B, 2016, 94, .	3.2	13
11	Analog of Hamilton-Jacobi theory for the time-evolution operator. Physical Review A, 2019, 100, .	2.5	13
12	Dirac Magnons, Nodal Lines, and Nodal Plane in Elemental Gadolinium. Physical Review Letters, 2022, 128, 097201.	7.8	13
13	Resummation of the Holstein-Primakoff expansion and differential equation approach to operator square roots. Physical Review Research, 2020, 2, .	3.6	12
14	Momentum-space entanglement after a quench in one-dimensional disordered fermionic systems. Physical Review B, 2019, 100, .	3.2	11
15	Extraction of interaction parameters for \hat{I}_{\pm} from neutron data using machine learning. Physical Review Research, 2022, 4, .	10.0	10
16	Spin-exchange Hamiltonian and topological degeneracies in elemental gadolinium. Physical Review B, 2022, 105, .	3.2	6