Ying Ran

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5782917/publications.pdf

Version: 2024-02-01

11	1,017	933447 10	1281871 11
papers	citations	h-index	g-index

11	11	11	1535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colossal mid-infrared bulk photovoltaic effect in a type-I Weyl semimetal. Nature Materials, 2019, 18, 471-475.	27.5	253
2	Nearly flat band with Chern number<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>on the dice lattice. Physical Review B, 2011, 84, .	3.2	228
3	When Chiral Photons Meet Chiral Fermions: Photoinduced Anomalous Hall Effects in Weyl Semimetals. Physical Review Letters, 2016, 116, 026805.	7.8	143
4	Possible interaction-driven topological phases in (111) bilayers of LaNiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	139
5	display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> liquids in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:mfrac></mml:math> model on the kagome lattice. Physical Review B, 2011, 83, .	3.2	117
6	Accessing new magnetic regimes by tuning the ligand spin-orbit coupling in van der Waals magnets. Science Advances, 2020, 6, eabb9379.	10.3	42
7	Filling-enforced constraint on the quantized Hall conductivity on a periodic lattice. Annals of Physics, 2020, 413, 168060.	2.8	27
8	Changing topology by topological defects in three-dimensional topologically ordered phases. Physical Review B, 2013, 88, .	3.2	23
9	Featureless quantum insulator on the honeycomb lattice. Physical Review B, 2016, 94, .	3.2	20
10	Dyonic Lieb-Schultz-Mattis theorem and symmetry protected topological phases in decorated dimer models. Physical Review B, 2018, 98, .	3.2	19
11	First demonstration of tuning between the Kitaev and Ising limits in a honeycomb lattice. Science Advances, 2022, 8, eabl5671.	10.3	6