

Ying Ran

List of Publications by Year in descending order

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11
papers

1,017
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1535
citing authors

#	ARTICLE	IF	CITATIONS
1	First demonstration of tuning between the Kitaev and Ising limits in a honeycomb lattice. Science Advances, 2022, 8, eab15671.	10.3	6
2	Accessing new magnetic regimes by tuning the ligand spin-orbit coupling in van der Waals magnets. Science Advances, 2020, 6, eabb9379.	10.3	42
3	Filling-enforced constraint on the quantized Hall conductivity on a periodic lattice. Annals of Physics, 2020, 413, 168060.	2.8	27
4	Colossal mid-infrared bulk photovoltaic effect in a type-I Weyl semimetal. Nature Materials, 2019, 18, 471-475.	27.5	253
5	Dyonic Lieb-Schultz-Mattis theorem and symmetry protected topological phases in decorated dimer models. Physical Review B, 2018, 98, .	3.2	19
6	Featureless quantum insulator on the honeycomb lattice. Physical Review B, 2016, 94, .	3.2	20
7	When Chiral Photons Meet Chiral Fermions: Photoinduced Anomalous Hall Effects in Weyl Semimetals. Physical Review Letters, 2016, 116, 026805.	7.8	143
8	Changing topology by topological defects in three-dimensional topologically ordered phases. Physical Review B, 2013, 88, .	3.2	23
9	Possible interaction-driven topological phases in (111) bilayers of LaNiO ₃ . Physical Review B, 2011, 84, .	3.2	139
10	Nearly flat band with Chern number $C=2$ on the dice lattice. Physical Review B, 2011, 84, .	3.2	128
11	Topological quantum liquids in the $S=1$ Kagome lattice model on the kagome lattice. Physical Review B, 2011, 83, .	3.2	117