

Junyeong Ahn

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,065
citations

687363

13
h-index

996975

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all docs

17
docs citations

17
times ranked

902
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure of Nielsen-Ninomiya Theorem and Fragile Topology in Two-Dimensional Systems with Space-Time Inversion Symmetry: Application to Twisted Bilayer Graphene at Magic Angle. Physical Review X, 2019, 9, .	8.9	215
2	Band Topology and Linking Structure of Nodal Line Semimetals with Z^2 Monopole Charges. Physical Review Letters, 2018, 121, 106403.	7.8	164
3	Two-dimensional higher-order topology in monolayer graphdiyne. Npj Quantum Materials, 2020, 5, .	5.2	120
4	Topological Correspondence between Hermitian and Non-Hermitian Systems: Anomalous Dynamics. Physical Review Letters, 2019, 123, 206404.	7.8	113
5	Low-Frequency Divergence and Quantum Geometry of the Bulk Photovoltaic Effect in Topological Semimetals. Physical Review X, 2020, 10, .	8.9	95
6	Fragile topology protected by inversion symmetry: Diagnosis, bulk-boundary correspondence, and Wilson loop. Physical Review B, 2019, 100, .	3.2	61
7	Riemannian geometry of resonant optical responses. Nature Physics, 2022, 18, 290-295.	16.7	58
8	Symmetry representation approach to topological invariants in C^2 -symmetric systems. Physical Review B, 2019, 99, .	3.2	54
9	Higher-order topological superconductivity of spin-polarized fermions. Physical Review Research, 2020, 2, .	3.6	51
10	Stiefel-Whitney classes and topological phases in band theory. Chinese Physics B, 2019, 28, 117101.	1.4	44
11	Unconventional Topological Phase Transition in Two-Dimensional Systems with Space-Time Inversion Symmetry. Physical Review Letters, 2017, 118, 156401.	7.8	35
12	Emergence of Fermi arcs due to magnetic splitting in an antiferromagnet. Nature, 2022, 603, 610-615.	27.8	25
13	Theory of optical responses in clean multi-band superconductors. Nature Communications, 2021, 12, 1617.	12.8	19
14	Superconductivity-induced spectral weight transfer due to quantum geometry. Physical Review B, 2021, 104, .	3.2	9
15	Unconventional Majorana fermions on the surface of topological superconductors protected by rotational symmetry. Physical Review B, 2021, 103, .	3.2	2