

Kwon Park

List of Publications by Year in descending order

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28
papers

739
citations

623574

14
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526166

27
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28
all docs

28
docs citations

28
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation Effects on 3D Topological Phases: From Bulk to Boundary. Physical Review Letters, 2012, 109, 066401.	2.9	111
2	Cooper instability of composite fermions. Nature, 2000, 406, 863-865.	13.7	91
3	Ground States of Quantum Antiferromagnets in Two Dimensions. Annals of Physics, 2002, 298, 58-122.	1.0	83
4	Rotons of composite fermions: Comparison between theory and experiment. Physical Review B, 2000, 61, 13064-13072.	1.1	68
5	Bond-operator theory of doped antiferromagnets: From Mott insulators with bond-centered charge order to superconductors with nodal fermions. Physical Review B, 2001, 64, .	1.1	65
6	Spontaneous Particle-Hole Symmetry Breaking in the Quantum Hall Effect. Physical Review Letters, 2008, 101, 156803.	2.9	49
7	Competing Crystal Phases in the Lowest Landau Level. Physical Review Letters, 2013, 111, 146804.	2.9	36
8	Dielectric breakdown via emergent nonequilibrium steady states of the electric-field-driven Mott insulator. Physical Review B, 2014, 89, .	1.1	32
9	Fractional Quantum Hall Effect at $\nu = 1/2$: The Parton Paradigm for the Second Landau Level. Physical Review Letters, 2018, 121, 186601.	2.9	25
10	Excitonic collapse of higher Landau level fractional quantum Hall effect. Physical Review B, 2000, 62, R16259-R16262.	1.1	23
11	Spin triplet excitations for a valence bond solid on the kagome lattice. Physical Review B, 2008, 77, .	1.1	23
12	Superconducting order parameter for the even-denominator fractional quantum Hall effect. Physical Review B, 2010, 82, .	1.1	20
13	Spin cluster operator theory for the kagome lattice antiferromagnet. Physical Review B, 2011, 84, .	1.1	16
14	Bilayer mapping of the paired quantum Hall state: Instability toward anisotropic pairing. Physical Review B, 2015, 91, .	1.1	14
15	Direct manifestation of topological order in the winding number of the Wannier-Stark ladder. Physical Review B, 2015, 92, .	1.1	12
16	Competing states for the fractional quantum Hall effect in the 1/3-filled second Landau level. Physical Review B, 2017, 96, .	1.1	11
17	Doped valence-bond solid and superconductivity on the Shastry-Sutherland lattice. Physical Review B, 2008, 77, .	1.1	10
18	Influence of Dzyaloshinskii-Moriya interactions on magnetic structure of a spin-1/2 deformed kagome lattice antiferromagnet. Physical Review B, 2012, 86, .	1.1	9

#	ARTICLE	IF	CITATIONS
19	Surface to bulk Fermi arcs via Weyl nodes as topological defects. Nature Communications, 2016, 7, 13489.	5.8	9
20	Floquet topological semimetal with a helical nodal line in 2+1 dimensions. Physical Review B, 2019, 99, .	1.1	7
21	Masses of composite fermions carrying two and four flux quanta: Differences and similarities. Physical Review B, 2000, 61, R7850-R7853.	1.1	5
22	Analytical theory of strongly correlated Wigner crystals in the lowest Landau level. Physical Review B, 2015, 92, .	1.1	5
23	Kondo effect of nonmagnetic impurities and coexisting charge order in cuprate superconductors. Physical Review B, 2003, 67, .	1.1	4
24	A Passage to Topological Matter: Colloquium. Journal of the Korean Physical Society, 2018, 73, 817-832.	0.3	4
25	Electric quantum oscillations in Weyl semimetals. Physical Review Research, 2021, 3, .	1.3	4
26	Charged excitons of composite fermions in the fractional quantum Hall effect. Solid State Communications, 2001, 121, 19-23.	0.9	2
27	Projected BCS theory for the unification of antiferromagnetism and strongly correlated superconductivity. Physical Review Research, 2022, 4, .	1.3	1
28	Spin separation in the half-filled fractional topological insulator. Physical Review B, 2019, 99, .	1.1	0