Kwon Park

List of Publications by Year
in descending order

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28	739	623188	525886
papers	citations	14 h-index	27 g-index

28	28	28	642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Projected BCS theory for the unification of antiferromagnetism and strongly correlated superconductivity. Physical Review Research, 2022, 4, .	1.3	1
2	Electric quantum oscillations in Weyl semimetals. Physical Review Research, 2021, 3, .	1.3	4
3	Spin separation in the half-filled fractional topological insulator. Physical Review B, 2019, 99, .	1.1	0
4	Floquet topological semimetal with a helical nodal line in 2+1 dimensions. Physical Review B, 2019, 99, .	1.1	7
5	A Passage to Topological Matter: Colloquium. Journal of the Korean Physical Society, 2018, 73, 817-832.	0.3	4
6	Fractional Quantum Hall Effect at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn> stretchy="false">/</mml:mo><mml:mn>13</mml:mn></mml:mrow></mml:math> : The Parton Paradigm for the Second Landau Level. Physical Review Letters, 2018, 121, 186601.	2.9	25
7	Competing states for the fractional quantum Hall effect in the 1/3-filled second Landau level. Physical Review B, 2017, 96, .	1.1	11
8	Surface to bulk Fermi arcs via Weyl nodes as topological defects. Nature Communications, 2016, 7, 13489.	5.8	9
9	Bilayer mapping of the paired quantum Hall state: Instability toward anisotropic pairing. Physical Review B, 2015, 91, .	1.1	14
10	Analytical theory of strongly correlated Wigner crystals in the lowest Landau level. Physical Review B, 2015, 92, .	1.1	5
11	Direct manifestation of topological order in the winding number of the Wannier-Stark ladder. Physical Review B, 2015, 92, .	1.1	12
12	Dielectric breakdown via emergent nonequilibrium steady states of the electric-field-driven Mott insulator. Physical Review B, 2014, 89, .	1.1	32
13	Competing Crystal Phases in the Lowest Landau Level. Physical Review Letters, 2013, 111, 146804.	2.9	36
14	Influence of Dzyaloshinskii-Moriya interactions on magnetic structure of a spin-12deformed kagome lattice antiferromagnet. Physical Review B, 2012, 86, .	1.1	9
15	Correlation Effects on 3D Topological Phases: From Bulk to Boundary. Physical Review Letters, 2012, 109, 066401.	2.9	111
16	Spin cluster operator theory for the kagome lattice antiferromagnet. Physical Review B, 2011, 84, .	1.1	16
17	Superconducting order parameter for the even-denominator fractional quantum Hall effect. Physical Review B, 2010, 82, .	1.1	20
18	Doped valence-bond solid and superconductivity on the Shastry-Sutherland lattice. Physical Review B, 2008, 77, .	1.1	10

#	Article	IF	Citations
19	Spin triplet excitations for a valence bond solid on the kagome lattice. Physical Review B, 2008, 77, .	1.1	23
20	Spontaneous Particle-Hole Symmetry Breaking in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn><mml:mo> Quantum Hall Effect. Physical Review Letters, 2008, 101, 156803.	2.9	49
21	Kondo effect of nonmagnetic impurities and coexisting charge order in cuprate superconductors. Physical Review B, 2003, 67, .	1.1	4
22	Ground States of Quantum Antiferromagnets in Two Dimensions. Annals of Physics, 2002, 298, 58-122.	1.0	83
23	Charged excitons of composite fermions in the fractional quantum Hall effect. Solid State Communications, 2001, 121, 19-23.	0.9	2
24	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
25	Cooper instability of composite fermions. Nature, 2000, 406, 863-865.	13.7	91
26	Masses of composite fermions carrying two and four flux quanta: Differences and similarities. Physical Review B, 2000, 61, R7850-R7853.	1.1	5
27	Rotons of composite fermions: Comparison between theory and experiment. Physical Review B, 2000, 61, 13064-13072.	1.1	68
28	Excitonic collapse of higher Landau level fractional quantum Hall effect. Physical Review B, 2000, 62, R16259-R16262.	1.1	23