List of Publications by Year in descending order

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104 papers	29,387 citations	23500 58 h-index	28224 105 g-index
106 all docs	106 docs citations	106 times ranked	11013 citing authors

#	Article	IF	Citations
1	Microscopic diagnosis of universal geometric responses in fractional quantum Hall liquids. Physical Review B, 2021, 103, .	1.1	6
2	Stability of the particle-hole Pfaffian state and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>5</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml -fractional quantum Hall effect. Physical Review B, 2021, 104, .	1.1	14
3	Graviton chirality and topological order in the half-filled Landau level. Physical Review B, 2021, 104, .	1.1	9
4	Non-Abelian statistics in one dimension: Topological momentum spacings and SU(2) level-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math>fusion rules. Physical Review B, 2019, 100, .	1.1	6
5	Chiral Gravitons in Fractional Quantum Hall Liquids. Physical Review Letters, 2019, 123, 146801.	2.9	29
6	Lattice Monte Carlo for quantum Hall states on a torus. Physical Review B, 2019, 99, .	1.1	19
7	Topological Nodal Cooper Pairing in Doped Weyl Metals. Physical Review Letters, 2018, 120, 067003.	2.9	68
8	Berry Phase and Model Wave Function in the Half-Filled Landau Level. Physical Review Letters, 2018, 121, 147202.	2.9	27
9	Pomeranchuk Instability of Composite Fermi Liquids. Physical Review Letters, 2018, 121, 147601.	2.9	18
10	Geometry of flux attachment in anisotropic fractional quantum Hall states. Physical Review B, 2018, 98, .	1.1	6
11	The origin of holomorphic states in Landau levels from non-commutative geometry and a new formula for their overlaps on the torus. Journal of Mathematical Physics, 2018, 59, .	0.5	18
12	Probing the geometry of the Laughlin state. New Journal of Physics, 2016, 18, 025011.	1.2	33
13	Fractional quantum Hall bilayers at half filling: Tunneling-driven non-Abelian phase. Physical Review B, 2016, 94, .	1.1	31
14	Topological characterization of the non-Abelian Moore-Read state using density-matrix renormalization group. Physical Review B, 2015, 92, .	1.1	23
15	Fractional Quantum Hall States 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>13</mml:mn><mml:mo>/</mml:mo><mml:mn> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>12</mml:mn><mml:mo>/</mml:mo><mml:mn>5</mml:mn></mml:mrow></mml:math>and Their Non-Abelian Nature. Physical Review Letters, 2015, 115, 126805.	2.9	41
16	Entanglement Entropy of theÎ½=1/2Composite Fermion Non-Fermi Liquid State. Physical Review Letters, 2015, 114, 206402.	2.9	33
17	Identifying Non-Abelian Topological Order through Minimal Entangled States. Physical Review Letters, 2014, 112, 096803.	2.9	24
18	Nature of Quasielectrons and the Continuum of Neutral Bulk Excitations in Laughlin Quantum Hall Fluids. Physical Review Letters, 2014, 112, 026804.	2.9	15

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19	Comment on â€œWeyl fermions and the anomalous Hall effect in metallic ferromagnetsâ€• Physical Review B, 2014, 89, .	1.1	26
20	Guiding-center Hall viscosity and intrinsic dipole moment along edges of incompressible fractional quantum Hall fluids. Physical Review B, 2014, 90, .	1.1	27
21	Minimal entangled states and modular matrix for fractional quantum Hall effect in topological flat bands. Physical Review B, 2013, 88, .	1.1	35
22	Model Wave Functions for the Collective Modes and the Magnetoroton Theory of the Fractional Quantum Hall Effect. Physical Review Letters, 2012, 108, 256807.	2.9	71
23	Model anisotropic quantum Hall states. Physical Review B, 2012, 85, .	1.1	69
24	Quantum Phase Transitions and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo mathvariant="bold">=</mml:mo><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:math>Fractional Hall State in Wide Quantum Wells. Physical Review Letters, 2012, 109, 266806.	2.9	32
25	Band mass anisotropy and the intrinsic metric of fractional quantum Hall systems. Physical Review B, 2012, 85, .	1.1	87
26	Geometrical Description of the Fractional Quantum Hall Effect. Physical Review Letters, 2011, 107, 116801.	2.9	230
27	Fractional quantum Hall states at13and52filling: Density-matrix renormalization group calculations. Physical Review B, 2011, 83, .	1.1	33
28	The hierarchical structure in the orbital entanglement spectrum of fractional quantum Hall systems. New Journal of Physics, 2011, 13, 105001.	1.2	23
29	Particle-hole symmetry breaking and the<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:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>5</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>fractional quantum Hall effect. Physical Review B, 2009, 80, .	1.1	56
30	Mapping the braiding properties of the Moore-Read state. Physical Review B, 2009, 80, .	1.1	32
31	Topological Entanglement and Clustering of Jain Hierarchy States. Physical Review Letters, 2009, 103, 016801.	2.9	96
32	Clustering Properties and Model Wave Functions for Non-Abelian Fractional Quantum Hall Quasielectrons. Physical Review Letters, 2009, 102, 066802.	2.9	69
33	Model Fractional Quantum Hall States and Jack Polynomials. Physical Review Letters, 2008, 100, 246802.	2.9	243
34	Analogs of quantum-Hall-effect edge states in photonic crystals. Physical Review A, 2008, 78, .	1.0	963
35	Possible Realization of Directional Optical Waveguides in Photonic Crystals with Broken Time-Reversal Symmetry. Physical Review Letters, 2008, 100, 013904.	2.9	2,040
36	Entanglement Spectrum as a Generalization of Entanglement Entropy: Identification of Topological Order in Non-Abelian Fractional Quantum Hall Effect States. Physical Review Letters, 2008, 101, 010504.	2.9	1,169

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37	Generalized clustering conditions of Jack polynomials at negative Jack parameter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>. Physical Review B, 2008, 77, .	1.1	84
38	Properties of Non-Abelian Fractional Quantum Hall States at Filling<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mi>k</mml:mi><mml:mo>/</mml:mo><mml:mi>r</mml:mi></mm Physical Review Letters, 2008, 101, 246806.	2.9	79
39	Broken-Symmetry States of Dirac Fermions in Graphene with a Partially Filled High Landau Level. Physical Review Letters, 2008, 100, 116802.	2.9	17
40	Odd-Integer Quantum Hall Effect in Graphene: Interaction and Disorder Effects. Physical Review Letters, 2007, 99, 196802.	2.9	64
41	Quantum Spin-Hall Effect and Topologically Invariant Chern Numbers. Physical Review Letters, 2006, 97, 036808.	2.9	515
42	Spin Hall effect and spin transfer in a disordered Rashba model. Physical Review B, 2005, 72, .	1.1	37
43	Mobility gap in fractional quantum Hall liquids: Effects of disorder and layer thickness. Physical Review B, 2005, 72, .	1.1	42
44	Nondissipative Spin Hall Effect via Quantized Edge Transport. Physical Review Letters, 2005, 95, 136602.	2.9	192
45	Berry Curvature on the Fermi Surface: Anomalous Hall Effect as a Topological Fermi-Liquid Property. Physical Review Letters, 2004, 93, 206602.	2.9	555
46	Exact diagonalization study of domain structure in integer filling factor quantum Hall ferromagnets. Physical Review B, 2003, 67, .	1.1	12
47	Disorder-Driven Collapse of the Mobility Gap and Transition to an Insulator in the Fractional Quantum Hall Effect. Physical Review Letters, 2003, 90, 256802.	2.9	65
48	Wigner crystals in the lowest Landau level at low-filling factors. Physical Review B, 2001, 64, .	1.1	76
49	Stripes and Pairing in the ν = 5/2 Quantum Hall Effect. , 2001, , 203-213.		0
50	Spontaneous Breakdown of Translational Symmetry in Quantum Hall Systems: Crystalline Order in High Landau Levels. Physical Review Letters, 2000, 85, 5396-5399.	2.9	82
51	Incompressible Paired Hall State, Stripe Order, and the Composite Fermion Liquid Phase in Half-Filled Landau Levels. Physical Review Letters, 2000, 84, 4685-4688.	2.9	337
52	Charge-Density-Wave Ordering in Half-Filled High Landau Levels. Physical Review Letters, 1999, 83, 1219-1222.	2.9	129
53	Topological phase transition in the Î½=2/3 quantum Hall effect. Physical Review B, 1996, 53, 15845-15855.	1.1	33
54	Single-particle Greenâ€™s functions of the Calogero-Sutherland model at couplings Î»=1/2, 1, and 2. Physical Review B, 1995, 52, 8729-8746.	1.1	31

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55	Stability of Chiral Luttinger Liquids and Abelian Quantum Hall States. Physical Review Letters, 1995, 74, 2090-2093.	2.9	138
56	Quantized spin currents in two-dimensional chiral magnets. Physical Review B, 1995, 52, 4223-4225.	1.1	42
57	Integrals of motion of the Haldane-Shastry model. Journal of Physics A, 1995, 28, 2369-2377.	1.6	26
58	Elementary Excitations of One-Dimensionaltâ^'JModel with Inverse-Square Exchange. Physical Review Letters, 1994, 73, 2887-2890.	2.9	39
59	DynamicalT=0 correlations of theS=1/2 one-dimensional Heisenberg antiferromagnet with 1/r2exchange in a magnetic field. Physical Review B, 1994, 50, 6889-6899.	1.1	28
60	Laughlin state on stretched and squeezed cylinders and edge excitations in the quantum Hall effect. Physical Review B, 1994, 50, 17199-17207.	1.1	101
61	Physics of the Ideal Semion Gas: Spinons and Quantum Symmetries of the Integrable Haldane-Shastry Spin Chain. Springer Series in Solid-state Sciences, 1994, , 3-20.	0.3	25
62	Yang-Baxter equation in long-range interacting systems. Journal of Physics A, 1993, 26, 5219-5236.	1.6	225
63	Squeezed strings and Yangian symmetry of the Heisenberg chain with long-range interaction. Physical Review B, 1993, 47, 12459-12469.	1.1	38
64	Exact calculation of the ground-state dynamical spin correlation function of aS=1/2 antiferromagnetic Heisenberg chain with free spinons. Physical Review Letters, 1993, 71, 4055-4058.	2.9	88
65	Models with inverse-square exchange. Physical Review B, 1992, 46, 9359-9368.	1.1	144
66	Yangian symmetry of integrable quantum chains with long-range interactions and a new description of states in conformal field theory. Physical Review Letters, 1992, 69, 2021-2025.	2.9	271
67	â€˜â€˜Spinon gasâ€™â€™ description of theS=1/2 Heisenberg chain with inverse-square exchange: Exact spectrum and thermodynamics. Physical Review Letters, 1991, 66, 1529-1532.	2.9	268
68	â€˜â€˜Fractional statisticsâ€™â€™ in arbitrary dimensions: A generalization of the Pauli principle. Physical Review Letters, 1991, 67, 937-940.	2.9	840
69	Lowest-order Landau-level mixing corrections for 4â‰¥Î½>2 quantum Hall effect. Physical Review B, 1990, 42, 4532-4536.	1.1	26
70	Model for a Quantum Hall Effect without Landau Levels: Condensed-Matter Realization of the "Parity Anomaly". Physical Review Letters, 1988, 61, 2015-2018.	2.9	4,579
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73	Spin-singlet wave function for the half-integral quantum Hall effect. Physical Review Letters, 1988, 60, 956-959.	2.9	285
74	O(3) NonlinearÏƒ Model and the Topological Distinction between Integer- and Half-Integer-Spin Antiferromagnets in Two Dimensions. Physical Review Letters, 1988, 61, 1029-1032.	2.9	461
75	Off-Diagonal Long-Range Order in Fractional Quantum-Hall-Effect States. Physical Review Letters, 1988, 61, 1985-1988.	2.9	52
76	Localization, wave-function topology, and the integer quantized Hall effect. Physical Review Letters, 1988, 60, 619-622.	2.9	85
77	Comment on â€™â€™Observation of Berryâ€™s topological phase by use of an optical fiberâ€™â€™. Physical Review Letters, 1987, 59, 1788-1788.	2.9	27
78	Critical theory of quantum spin chains. Physical Review B, 1987, 36, 5291-5300.	1.1	512
79	Path dependence of the geometric rotation of polarization in optical fibers. Optics Letters, 1986, 11, 730.	1.7	105
80	Impurity effect, degeneracy, and topological invariant in the quantum Hall effect. Physical Review B, 1986, 33, 3844-3850.	1.1	68
81	Geometrical Interpretation of Momentum and Crystal Momentum of Classical and Quantum Ferromagnetic Heisenberg Chains. Physical Review Letters, 1986, 57, 1488-1491.	2.9	84
82	â€˜â€Ì physicsâ€™â€™ and quantum spin chains (abstract). Journal of Applied Physics, 1985, 57, 3359-3359.	1.1	160
83	Quantum dynamics and statistics of vortices in two-dimensional superfluids. Physical Review Letters, 1985, 55, 2887-2890.	2.9	123
84	Periodic Laughlin-Jastrow wave functions for the fractional quantized Hall effect. Physical Review B, 1985, 31, 2529-2531.	1.1	297
85	Incompressible states of the fractionally quantized Hall effect in the presence of impurities: A finite-size study. Physical Review B, 1985, 32, 6924-6927.	1.1	62
86	Finite-Size Studies of the Incompressible State of the Fractionally Quantized Hall Effect and its Excitations. Physical Review Letters, 1985, 54, 237-240.	2.9	402
87	Many-Particle Translational Symmetries of Two-Dimensional Electrons at Rational Landau-Level Filling. Physical Review Letters, 1985, 55, 2095-2098.	2.9	283
88	Fractional Quantization of the Hall Effect: A Hierarchy of Incompressible Quantum Fluid States. Physical Review Letters, 1983, 51, 605-608.	2.9	1,827
89	Nonlinear Field Theory of Large-Spin Heisenberg Antiferromagnets: Semiclassically Quantized Solitons of the One-Dimensional Easy-Axis NÃ©el State. Physical Review Letters, 1983, 50, 1153-1156.	2.9	3,126
90	Phase diagrams of surface structures from Bethe-ansatz solutions of the quantum sine-Gordon model. Physical Review B, 1983, 28, 2743-2745.	1.1	86

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91	Elementary excitations of the quantum sine-Gordon model in the massless regimeÎ²2>8Ï€: Derivation from theXXZmodel. Physical Review B, 1983, 28, 2505-2508.	1.1	1
92	Effective Harmonic-Fluid Approach to Low-Energy Properties of One-Dimensional Quantum Fluids.. Physical Review Letters, 1982, 48, 569-569.	2.9	11
93	Excitation spectrum of a generalised Heisenberg ferromagnetic spin chain with arbitrary spin. Journal of Physics C: Solid State Physics, 1982, 15, L1309-L1313.	1.5	57
94	Quantum field ground state of the sine-Gordon model with finite soliton density: exact results. Journal of Physics A, 1982, 15, 507-525.	1.6	46
95	Spontaneous dimerization in theS=12Heisenberg antiferromagnetic chain with competing interactions. Physical Review B, 1982, 25, 4925-4928.	1.1	469
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98	'Luttinger liquid theory' of one-dimensional quantum fluids. I. Properties of the Luttinger model and their extension to the general 1D interacting spinless Fermi gas. Journal of Physics C: Solid State Physics, 1981, 14, 2585-2609.	1.5	2,118
99	General Relation of Correlation Exponents and Spectral Properties of One-Dimensional Fermi Systems: Application to the AnisotropicS=12Heisenberg Chain. Physical Review Letters, 1980, 45, 1358-1362.	2.9	692
100	Coupling between charge and spin degrees of freedom in the one-dimensional Fermi gas with backscattering. Journal of Physics C: Solid State Physics, 1979, 12, 4791-4799.	1.5	48
101	Scaling Theory of the Asymmetric Anderson Model. Physical Review Letters, 1978, 40, 416-419.	2.9	503
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103	Hartree-Fock study of the Anderson model coupled to a boson field; mixed valence states. Physical Review B, 1977, 15, 281-289.	1.1	67
104	New model for the mixed-valence phenomenon in rare-earth materials. Physical Review B, 1977, 15, 2477-2484.	1.1	49