

Edward H Rezayi

List of Publications by Year in descending order

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41
papers

2,270
citations

257357

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302012

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41
docs citations

41
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Incompressible Paired Hall State, Stripe Order, and the Composite Fermion Liquid Phase in Half-Filled Landau Levels. <i>Physical Review Letters</i> , 2000, 84, 4685-4688.	2.9	337
2	Hall viscosity, orbital spin, and geometry: Paired superfluids and quantum Hall systems. <i>Physical Review B</i> , 2011, 84, .	1.1	199
3	Charge-Density-Wave Ordering in Half-Filled High Landau Levels. <i>Physical Review Letters</i> , 1999, 83, 1219-1222.	2.9	129
4	Infinite density matrix renormalization group for multicomponent quantum Hall systems. <i>Physical Review B</i> , 2015, 91, .	1.1	118
5	Construction of a paired wave function for spinless electrons at filling fraction $\nu=2\hat{\nu}^5$. <i>Physical Review B</i> , 2007, 75, .	1.1	101
6	Bipartite entanglement entropy in fractional quantum Hall states. <i>Physical Review B</i> , 2007, 76, .	1.1	98
7	Breaking of Particle-Hole Symmetry by Landau Level Mixing in the $\nu=2$ Fractional Quantum Hall State. <i>Physical Review Letters</i> , 2011, 106, 116801.	2.9	98
8	Fractional quantum Hall effect at $\nu=5$ Ground states, non-Abelian quasiholes, and edge modes in a microscopic model. <i>Physical Review B</i> , 2008, 77, .	1.1	97
9	Band mass anisotropy and the intrinsic metric of fractional quantum Hall systems. <i>Physical Review B</i> , 2012, 85, .	1.1	87
10	Edge-state inner products and real-space entanglement spectrum of trial quantum Hall states. <i>Physical Review B</i> , 2012, 86, .	1.1	80
11	Wigner crystals in the lowest Landau level at low-filling factors. <i>Physical Review B</i> , 2001, 64, .	1.1	76
12	Landau Level Mixing and the Ground State of the $\nu=5$ Quantum Hall Effect. <i>Physical Review Letters</i> , 2017, 119, 026801.	2.9	73
13	Pseudopotentials for multiparticle interactions in the quantum Hall regime. <i>Physical Review B</i> , 2007, 75, .	1.1	72
14	Real-space entanglement spectrum of quantum Hall systems. <i>Physical Review B</i> , 2012, 85, .	1.1	72
15	Incompressible Liquid State of Rapidly Rotating Bosons at Filling Factor $3/2$. <i>Physical Review Letters</i> , 2005, 95, 160404.	2.9	64
16	Landau level mixing in the perturbative limit. <i>Physical Review B</i> , 2013, 87, .	1.1	60
17	Edge Excitations and Non-Abelian Statistics in the Moore-Read State: A Numerical Study in the Presence of Coulomb Interaction and Edge Confinement. <i>Physical Review Letters</i> , 2006, 97, 256804.	2.9	56
18	Non-Abelian quantized Hall states of electrons at filling factors $12/5$ and $13/5$ in the first excited Landau level. <i>Physical Review B</i> , 2009, 79, .	1.1	50

#	ARTICLE	IF	CITATIONS
19	Wave functions for $\nu=1/2$ quantum Hall states. Physical Review B, 2009, 80, .	1.1	42
20	Edge-mode velocities and thermal coherence of quantum Hall interferometers. Physical Review B, 2009, 80, .	1.1	38
21	Entanglement Entropy of the $\nu=1/2$ Composite Fermion Non-Fermi Liquid State. Physical Review Letters, 2015, 114, 206402.	2.9	33
22	Quantum Phase Transitions and the $\nu=5/2$ Fractional Quantum Hall State in Wide Quantum Wells. Physical Review Letters, 2012, 109, 266806.	2.9	32
23	Chiral Gravitons in Fractional Quantum Hall Liquids. Physical Review Letters, 2019, 123, 146801.	2.9	29
24	Berry Phase and Model Wave Function in the Half-Filled Landau Level. Physical Review Letters, 2018, 121, 147202.	2.9	27
25	Competing compressible and incompressible phases in rotating atomic Bose gases at filling factor $\nu=2$. Physical Review A, 2007, 75, .	1.0	24
26	Energetics of Pfaffian anti-Pfaffian domains. Physical Review B, 2020, 101, .	1.1	23
27	Ground state and edge excitations of a quantum Hall liquid at filling factor $2/3$. Physical Review B, 2008, 78, .	1.1	19
28	Lattice Monte Carlo for quantum Hall states on a torus. Physical Review B, 2019, 99, .	1.1	19
29	Pomeranchuk Instability of Composite Fermi Liquids. Physical Review Letters, 2018, 121, 147601.	2.9	18
30	Quantum Hall wave functions based on S_3 conformal field theories. Physical Review B, 2010, 81, .	1.1	17
31	Quasiparticle tunneling in the Moore-Read fractional quantum Hall state. Physical Review B, 2009, 80, .	1.1	16
32	Stability of the particle-hole Pfaffian state and the $\nu=5/2$ fractional quantum Hall effect. Physical Review B, 2021, 104, .	1.1	14
33	Exact diagonalization study of domain structure in integer filling factor quantum Hall ferromagnets. Physical Review B, 2003, 67, .	1.1	12
34	Graviton chirality and topological order in the half-filled Landau level. Physical Review B, 2021, 104, .	1.1	9
35	Typology for quantum Hall liquids. Physical Review B, 2012, 85, .	1.1	8
36	Existence of strong-pairing quantum Hall phase in bilayer cold-atom systems with dipolar interactions. Physical Review B, 2014, 90, .	1.1	8

#	ARTICLE	IF	CITATIONS
37	Evidence for a topological π -exciton Fermi sea in bilayer graphene. Physical Review B, 2018, 98, .	1.1	8
38	Multiple Magnetorotons and Spectral Sum Rules in Fractional Quantum Hall Systems. Physical Review Letters, 2022, 128, .	2.9	5
39	COULOMB AND HARD CORE SKYRMION TAILS. International Journal of Modern Physics B, 1999, 13, 2257-2262.	1.0	2
40	RECONSTRUCTION OF FRACTIONAL QUANTUM HALL EDGES. International Journal of Modern Physics B, 2002, 16, 2985-2985.	1.0	0
41	RECONSTRUCTION OF FRACTIONAL QUANTUM HALL EDGES. , 2002, , .		0