

# Edward H Rezayi

## List of Publications by Year in descending order

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41  
papers

2,270  
citations

257357

24  
h-index

302012

39  
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all docs

41  
docs citations

41  
times ranked

854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Magnetorotons and Spectral Sum Rules in Fractional Quantum Hall Systems. Physical Review Letters, 2022, 128, .	2.9	5
2	Stability of the particle-hole Pfaffian state and the $\frac{5}{2}$ -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	Energetics of Pfaffian anti-Pfaffian domains. Physical Review B, 2020, 101, .	1.1	23
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	Berry Phase and Model Wave Function in the Half-Filled Landau Level. Physical Review Letters, 2018, 121, 147202.	2.9	27
8	Pomeranchuk Instability of Composite Fermi Liquids. Physical Review Letters, 2018, 121, 147601.	2.9	18
9	Evidence for a topological exciton Fermi sea in bilayer graphene. Physical Review B, 2018, 98, .	1.1	8
10	Landau Level Mixing and the Ground State of the $\frac{1}{2}$ -Quantum Hall Effect. Physical Review Letters, 2017, 119, 026801.	2.9	73
11	Entanglement Entropy of the $\frac{1}{2}$ -Composite Fermion Non-Fermi Liquid State. Physical Review Letters, 2015, 114, 206402.	2.9	33
12	Infinite density matrix renormalization group for multicomponent quantum Hall systems. Physical Review B, 2015, 91, .	1.1	118
13	Existence of strong-pairing quantum Hall phase in bilayer cold-atom systems with dipolar interactions. Physical Review B, 2014, 90, .	1.1	8
14	Landau level mixing in the perturbative limit. Physical Review B, 2013, 87, .	1.1	60
15	Edge-state inner products and real-space entanglement spectrum of trial quantum Hall states. Physical Review B, 2012, 86, .	1.1	80
16	Real-space entanglement spectrum of quantum Hall systems. Physical Review B, 2012, 85, .	1.1	72
17	Quantum Phase Transitions and the $\frac{1}{2}$ -Fractional Quantum Hall State in Wide Quantum Wells. Physical Review Letters, 2012, 109, 266806.	2.9	32
18	Typology for quantum Hall liquids. Physical Review B, 2012, 85, .	1.1	8

#	ARTICLE	IF	CITATIONS
19	Band mass anisotropy and the intrinsic metric of fractional quantum Hall systems. Physical Review B, 2012, 85, .	1.1	87
20	Breaking of Particle-Hole Symmetry by Landau Level Mixing in the $\nu = \frac{1}{2} + \frac{5}{2} = 2.9$ Hall State. Physical Review Letters, 2011, 106, 116801.	2.9	98
21	Hall viscosity, orbital spin, and geometry: Paired superfluids and quantum Hall systems. Physical Review B, 2011, 84, .	1.1	199
22	Quantum Hall wave functions based on S <sup>3</sup> conformal field theories. Physical Review B, 2010, 81, .	1.1	17
23	$\nu = \frac{1}{2} + \frac{2}{5} = 1.1$ $\nu = \frac{1}{2} + \frac{2}{5} = 1.1$ Trial wave functions for $\nu = \frac{1}{2} + \frac{2}{5} = 1.1$ quantum Hall states of electrons at filling factors 12/5 and 13/5 in the first excited Landau level. Physical Review B, 2009, 79, .	1.1	42
24	Non-Abelian quantized Hall states of electrons at filling factors 12/5 and 13/5 in the first excited Landau level. Physical Review B, 2009, 79, .	1.1	50
25	Edge-mode velocities and thermal coherence of quantum Hall interferometers. Physical Review B, 2009, 80, .	1.1	38
26	Quasiparticle tunneling in the Moore-Read fractional quantum Hall state. Physical Review B, 2009, 80, .	1.1	16
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	Fractional quantum Hall effect at $\nu = \frac{5}{2}$ Ground states, non-Abelian quasiholes, and edge modes in a microscopic model. Physical Review B, 2008, 77, .	1.1	97
29	Construction of a paired wave function for spinless electrons at filling fraction $\nu = 2 \times \frac{1}{2} = 5$ . Physical Review B, 2007, 75, .	1.1	101
30	Competing compressible and incompressible phases in rotating atomic Bose gases at filling factor $\nu = 2$ . Physical Review A, 2007, 75, .	1.0	24
31	Pseudopotentials for multiparticle interactions in the quantum Hall regime. Physical Review B, 2007, 75, .	1.1	72
32	Bipartite entanglement entropy in fractional quantum Hall states. Physical Review B, 2007, 76, .	1.1	98
33	Edge Excitations and Non-Abelian Statistics in the Moore-Read State: A Numerical Study in the Presence of Coulomb Interaction and Edge Confinement. Physical Review Letters, 2006, 97, 256804.	2.9	56
34	Incompressible Liquid State of Rapidly Rotating Bosons at Filling Factor 3/2. Physical Review Letters, 2005, 95, 160404.	2.9	64
35	Exact diagonalization study of domain structure in integer filling factor quantum Hall ferromagnets. Physical Review B, 2003, 67, .	1.1	12
36	RECONSTRUCTION OF FRACTIONAL QUANTUM HALL EDGES. International Journal of Modern Physics B, 2002, 16, 2985-2985.	1.0	0

#	ARTICLE	IF	CITATIONS
37	RECONSTRUCTION OF FRACTIONAL QUANTUM HALL EDGES. , 2002, , .		0
38	Wigner crystals in the lowest Landau level at low-filling factors. Physical Review B, 2001, 64, .	1.1	76
39	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
40	COULOMB AND HARD CORE SKYRMION TAILS. International Journal of Modern Physics B, 1999, 13, 2257-2262.	1.0	2
41	Charge-Density-Wave Ordering in Half-Filled High Landau Levels. Physical Review Letters, 1999, 83, 1219-1222.	2.9	129