

# Zohar Nussinov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1412120/publications.pdf>

Version: 2024-02-01

36  
papers

1,370  
citations

471509

17  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum induced broadening: A challenge for cosmic neutrino background discovery. Physical Review D, 2022, 105, .	4.7	8
2	Pairing and non-Fermi liquid behavior in partially flat-band systems: Beyond nesting physics. Physical Review B, 2020, 101, .	3.2	24
3	Absence of finite temperature phase transitions in the X-Cube model and its $Z_p$ generalization. Annals of Physics, 2020, 412, 168018.	2.8	14
4	Local Two-Body Parent Hamiltonians for the Entire Jain Sequence. Physical Review Letters, 2020, 124, 196803.	7.8	16
5	Exact solution and correlations of a dimer model on the checkerboard lattice. Physical Review B, 2020, 102, .	3.2	2
6	Selective imaging of solid tumours via the calcium-dependent high-affinity binding of a cyclic octapeptide to phosphorylated Annexin A2. Nature Biomedical Engineering, 2020, 4, 298-313.	22.5	31
7	Enhanced correlations and superconductivity in weakly interacting partially flat-band systems: A determinantal quantum Monte Carlo study. Physical Review B, 2019, 99, .	3.2	14
8	Universality Classes of Stabilizer Code Hamiltonians. Physical Review Letters, 2019, 123, 230503.	7.8	12
9	Fractional Angular Momentum at Topological Insulator Interfaces. Physical Review Letters, 2018, 121, 227001.	7.8	12
10	Entangled Pauli principles: The DNA of quantum Hall fluids. Physical Review B, 2018, 98, .	3.2	23
11	Binomial Spin Glass. Physical Review Letters, 2018, 121, 080601.	7.8	1
12	A one parameter fit for glassy dynamics as a quantum corollary of the liquid to solid transition. Philosophical Magazine, 2017, 97, 1509-1566.	1.6	10
13	On Entropy Production in the Madelung Fluid and the Role of Bohm's Potential in Classical Diffusion. Foundations of Physics, 2016, 46, 815-824.	1.3	16
14	Robust topological degeneracy of classical theories. Physical Review B, 2016, 93, .	3.2	4
15	Josephson Currents Induced by the Witten Effect. Physical Review Letters, 2016, 117, 167002.	7.8	13
16	Duality of a compact topological superconductor model and the Witten effect. Physical Review D, 2016, 94, .	4.7	3
17	Classification of nematic order in $2+1$ dimensions: Dislocation melting and $O(2)$ gauge theory. Physical Review B, 2015, 91, .	3.2	13
18	Compass models: Theory and physical motivations. Reviews of Modern Physics, 2015, 87, 1-59.	45.6	228

#	ARTICLE	IF	CITATIONS
19	Zero modes, bosonization, and topological quantum order: The Laughlin state in second quantization. Physical Review B, 2015, 91, .	3.2	17
20	Mapping between finite temperature classical and zero temperature quantum systems: Quantum critical jamming and quantum dynamical heterogeneities. Physical Review B, 2013, 87, .	3.2	16
21	Holographic symmetries and generalized order parameters for topological matter. Physical Review B, 2013, 87, .	3.2	34
22	Arbitrary dimensional Majorana dualities and architectures for topological matter. Physical Review B, 2012, 86, .	3.2	43
23	Effective and exact holographies from symmetries and dualities. Annals of Physics, 2012, 327, 2491-2521.	2.8	31
24	Demagnetization-borne microscale skyrmions. Physical Review B, 2012, 86, .	3.2	12
25	The bond-algebraic approach to dualities. Advances in Physics, 2011, 60, 679-798.	14.4	79
26	The Glassy Response of Double Torsion Oscillators in Solid $^4\text{He}$ . Journal of Low Temperature Physics, 2011, 162, 500-508.	1.4	7
27	Renormalization, duality, and phase transitions in two- and three-dimensional quantum dimer models. Physical Review B, 2009, 80, .	3.2	12
28	Bond algebras and exact solvability of Hamiltonians: Spin-1/2 multilayer systems. Physical Review B, 2009, 79, .	3.2	70
29	A symmetry principle for topological quantum order. Annals of Physics, 2009, 324, 977-1057.	2.8	180
30	Sufficient symmetry conditions for Topological Quantum Order. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16944-16949.	7.1	111
31	Autocorrelations and thermal fragility of anyonic loops in topologically quantum ordered systems. Physical Review B, 2008, 77, .	3.2	133
32	INTERMEDIATE SYMMETRIES IN ELECTRONIC SYSTEMS: DIMENSIONAL REDUCTION, ORDER OUT OF DISORDER, DUALITIES, AND FRACTIONALIZATION. , 2006, , .		0
33	Voltage dependence of Landau-Lifshitz-Gilbert damping of spin in a current-driven tunnel junction. Physical Review B, 2006, 73, .	3.2	17
34	Triviality of the BCS-BEC crossover in extended dimensions: Implications for the ground state energy. Physical Review A, 2006, 74, .	2.5	53
35	INTERMEDIATE SYMMETRIES IN ELECTRONIC SYSTEMS: DIMENSIONAL REDUCTION, ORDER OUT OF DISORDER, DUALITIES, AND FRACTIONALIZATION. International Journal of Modern Physics B, 2006, 20, 5239-5249.	2.0	17
36	Generalized Elitzur's theorem and dimensional reductions. Physical Review B, 2005, 72, .	3.2	94