

# Viktor Eisler

## List of Publications by Year in descending order

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39  
papers

2,114  
citations

236925

25  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced density matrices and entanglement entropy in free lattice models. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 504003.	2.1	518
2	Evolution of entanglement after a local quench. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P06005-P06005.	2.3	129
3	Full Counting Statistics in a Propagating Quantum Front and Random Matrix Spectra. Physical Review Letters, 2013, 110, 060602.	7.8	125
4	Entanglement negativity in the harmonic chain out of equilibrium. New Journal of Physics, 2014, 16, 123020.	2.9	104
5	On the partial transpose of fermionic Gaussian states. New Journal of Physics, 2015, 17, 053048.	2.9	92
6	Crossover between ballistic and diffusive transport: the quantum exclusion process. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P06007.	2.3	81
7	Universality in the Full Counting Statistics of Trapped Fermions. Physical Review Letters, 2013, 111, 080402.	7.8	76
8	Entanglement in a periodic quench. Annalen Der Physik, 2008, 17, 410-423.	2.4	63
9	Entanglement evolution after connecting finite to infinite quantum chains. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P01023.	2.3	62
10	Entanglement in spin chains with gradients. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02011.	2.3	54
11	Entanglement negativity in two-dimensional free lattice models. Physical Review B, 2016, 93, .	3.2	51
12	On entanglement evolution across defects in critical chains. Europhysics Letters, 2012, 99, 20001.	2.0	50
13	Entanglement in the XXspin chain with an energy current. Physical Review A, 2005, 71, .	2.5	49
14	Analytical results for the entanglement Hamiltonian of a free-fermion chain. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 284003.	2.1	49
15	Universal front propagation in the quantum Ising chain with domain-wall initial states. SciPost Physics, 2016, 1, .	4.9	47
16	Entanglement negativity bounds for fermionic Gaussian states. Physical Review B, 2018, 97, .	3.2	43
17	Free-fermion entanglement and spheroidal functions. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P04028.	2.3	41
18	Properties of the entanglement Hamiltonian for finite free-fermion chains. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 104001.	2.3	40

#	ARTICLE	IF	CITATIONS
19	Exact results for the entanglement across defects in critical chains. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 155301.	2.1	39
20	Area-law violation for the mutual information in a nonequilibrium steady state. Physical Review A, 2014, 89, .	2.5	36
21	Magnetization distribution in the transverse Ising chain with energy flux. Physical Review E, 2003, 67, 056129.	2.1	30
22	Front dynamics and entanglement in the XXZ chain with a gradient. Physical Review B, 2017, 96, .	3.2	30
23	On the continuum limit of the entanglement Hamiltonian. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 073101.	2.3	30
24	Time evolution of entanglement negativity across a defect. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 205301.	2.1	27
25	Real time evolution at finite temperatures with operator space matrix product states. New Journal of Physics, 2014, 16, 073007.	2.9	26
26	Entanglement Hamiltonians for non-critical quantum chains. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 103102.	2.3	26
27	Real-time dynamics in a strongly interacting bosonic hopping model: global quenches and mapping to the XX chain. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 053107.	2.3	25
28	Entanglement in fermionic chains with interface defects. Annalen Der Physik, 2010, 522, 679-690.	2.4	24
29	Hydrodynamical phase transition for domain-wall melting in the XY chain. Physical Review B, 2018, 98, .	3.2	23
30	Fluctuations in subsystems of the zero-temperature XX chain: emergence of an effective temperature. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11013-P11013.	2.3	22
31	Surface and bulk entanglement in free-fermion chains. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P04005.	2.3	20
32	Fano resonances and entanglement entropy. Physical Review B, 2010, 82, .	3.2	18
33	Magnetization and entanglement after a geometric quench in the XXZ chain. Physical Review B, 2019, 99, .	3.2	18
34	Front dynamics in the XY chain after local excitations. SciPost Physics, 2020, 8, .	4.9	17
35	Entanglement spreading after local and extended excitations in a free-fermion chain. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	10
36	Entanglement spreading after local fermionic excitations in the XXZ chain. SciPost Physics, 2021, 10, .	4.9	10

#	ARTICLE	IF	CITATIONS
37	Entanglement in composite free-fermion systems. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07011.	2.3	6
38	The Conceptual Background of Density-Matrix Renormalization. , 2008, , 581-596.		3
39	Edwards's Wilkinson surface over a spherical substrate: $1/\sqrt{L}$ noise in the height fluctuations. Journal of Physics A, 2004, 37, 2573-2577.	1.6	0