

# 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	Entanglement spreading after local fermionic excitations in the XXZ chain. SciPost Physics, 2021, 10, .	4.9	10
2	Time evolution of entanglement negativity across a defect. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 205301.	2.1	27
3	Entanglement Hamiltonians for non-critical quantum chains. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 103102.	2.3	26
4	Front dynamics in the XY chain after local excitations. SciPost Physics, 2020, 8, .	4.9	17
5	On the continuum limit of the entanglement Hamiltonian. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 073101.	2.3	30
6	Magnetization and entanglement after a geometric quench in the XXZ chain. Physical Review B, 2019, 99, .	3.2	18
7	Entanglement negativity bounds for fermionic Gaussian states. Physical Review B, 2018, 97, .	3.2	43
8	Properties of the entanglement Hamiltonian for finite free-fermion chains. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 104001.	2.3	40
9	Hydrodynamical phase transition for domain-wall melting in the XY chain. Physical Review B, 2018, 98, .	3.2	23
10	Analytical results for the entanglement Hamiltonian of a free-fermion chain. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 284003.	2.1	49
11	Front dynamics and entanglement in the XXZ chain with a gradient. Physical Review B, 2017, 96, .	3.2	30
12	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
13	Entanglement negativity in two-dimensional free lattice models. Physical Review B, 2016, 93, .	3.2	51
14	Universal front propagation in the quantum Ising chain with domain-wall initial states. SciPost Physics, 2016, 1, .	4.9	47
15	Entanglement in composite free-fermion systems. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07011.	2.3	6
16	On the partial transpose of fermionic Gaussian states. New Journal of Physics, 2015, 17, 053048.	2.9	92
17	Entanglement negativity in the harmonic chain out of equilibrium. New Journal of Physics, 2014, 16, 123020.	2.9	104
18	Real time evolution at finite temperatures with operator space matrix product states. New Journal of Physics, 2014, 16, 073007.	2.9	26

#	ARTICLE	IF	CITATIONS
19	Surface and bulk entanglement in free-fermion chains. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P04005.	2.3	20
20	Area-law violation for the mutual information in a nonequilibrium steady state. Physical Review A, 2014, 89, .	2.5	36
21	Free-fermion entanglement and spheroidal functions. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P04028.	2.3	41
22	Universality in the Full Counting Statistics of Trapped Fermions. Physical Review Letters, 2013, 111, 080402.	7.8	76
23	Full Counting Statistics in a Propagating Quantum Front and Random Matrix Spectra. Physical Review Letters, 2013, 110, 060602.	7.8	125
24	Exact results for the entanglement across defects in critical chains. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 155301.	2.1	39
25	On entanglement evolution across defects in critical chains. Europhysics Letters, 2012, 99, 20001.	2.0	50
26	Crossover between ballistic and diffusive transport: the quantum exclusion process. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P06007.	2.3	81
27	Entanglement in fermionic chains with interface defects. Annalen Der Physik, 2010, 522, 679-690.	2.4	24
28	Fano resonances and entanglement entropy. Physical Review B, 2010, 82, .	3.2	18
29	Entanglement in spin chains with gradients. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P02011.	2.3	54
30	Reduced density matrices and entanglement entropy in free lattice models. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 504003.	2.1	518
31	Entanglement in a periodic quench. Annalen Der Physik, 2008, 17, 410-423.	2.4	63
32	Entanglement evolution after connecting finite to infinite quantum chains. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P01023.	2.3	62
33	The Conceptual Background of Density-Matrix Renormalization. , 2008, , 581-596.		3
34	Evolution of entanglement after a local quench. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P06005-P06005.	2.3	129
35	Fluctuations in subsystems of the zero-temperatureXXchain: emergence of an effective temperature. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P11013-P11013.	2.3	22
36	Entanglement in theXXspin chain with an energy current. Physical Review A, 2005, 71, .	2.5	49

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37	Edwardsâ€™Wilkinson surface over a spherical substrate: $1/\text{noise}$ in the height fluctuations. Journal of Physics A, 2004, 37, 2573-2577.	1.6	0
38	Magnetization distribution in the transverse Ising chain with energy flux. Physical Review E, 2003, 67, 056129.	2.1	30
39	Entanglement spreading after local and extended excitations in a free-fermion chain. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	10