

# Thomas Oikonomou

## List of Publications by Year in descending order

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27  
papers

169  
citations

1163117

8  
h-index

1199594

12  
g-index

28  
all docs

28  
docs citations

28  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	The maximization of Tsallis entropy with complete deformed functions and the problem of constraints. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2225-2229.	2.1	21
2	Validity of the third law of thermodynamics for the Tsallis entropy. <i>Physical Review E</i> , 2016, 93, 022112.	2.1	19
3	A note on the definition of deformed exponential and logarithm functions. <i>Journal of Mathematical Physics</i> , 2009, 50, 103301.	1.1	18
4	Tsallis power laws and finite baths with negative heat capacity. <i>Physical Review E</i> , 2013, 88, 042126.	2.1	18
5	Phase Transition in $\langle \text{inline-formula} \langle \text{tex-math notation="LaTeX"} \rangle \mathcal{PT} \rangle \langle / \text{tex-math} \rangle \langle / \text{inline-formula} \rangle$ Symmetric Active Plasmonic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 76-81.	2.9	12
6	Rényi entropy yields artificial biases not in the data and incorrect updating due to the finite-size data. <i>Physical Review E</i> , 2019, 99, 032134.	2.1	12
7	Misusing the entropy maximization in the jungle of generalized entropies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 207-211.	2.1	10
8	Route from discreteness to the continuum for the Tsallis $q$ -entropy. <i>Physical Review E</i> , 2018, 97, 012104.	2.1	10
9	Generalized entropic structures and non-generality of Jaynes's Formalism. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 3027-3034.	5.1	6
10	Stationary Worldline Power Distributions. <i>International Journal of Theoretical Physics</i> , 2019, 58, 2942-2968.	1.2	6
11	Reply to "Comment on 'Route from discreteness to the continuum for the Tsallis $q$ -entropy'". <i>Physical Review E</i> , 2018, 97, 066102.	2.1	4
12	Discrete and Weyl density of states for photonic dispersion relation. <i>Physica Scripta</i> , 2019, 94, 105001.	2.5	4
13	The $q$ -exponentials do not maximize the Rényi entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 578, 126126.	2.6	4
14	A completeness criterion for Kaniadakis, Abe and two-parameter generalized statistical theories. <i>Reports on Mathematical Physics</i> , 2010, 66, 137-146.	0.8	3
15	Canonical equilibrium distribution derived from Helmholtz potential. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 6386-6389.	2.6	3
16	Uniformly accelerated point charge along a cusp. <i>Astronomische Nachrichten</i> , 2017, 338, 1151-1155.	1.2	3
17	Reply to "Comment on 'Rényi entropy yields artificial biases not in the data and incorrect updating due to the finite-size data'". <i>Physical Review E</i> , 2019, 100, 026102.	2.1	3
18	Comment on "Third law of thermodynamics as a key test of generalized entropies". <i>Physical Review E</i> , 2015, 92, 016103.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Group theory, entropy and the third law of thermodynamics. <i>Annals of Physics</i> , 2017, 377, 62-70.	2.8	2
20	Symbolic dynamics of music from Europe and Japan. <i>Chaos</i> , 2021, 31, 053122.	2.5	2
21	Efficient Two-Party Integer Comparison With Block Vectorization Mechanism. <i>IEEE Access</i> , 2021, 9, 123484-123492.	4.2	2
22	Clausius versus Sackurâ€™Tetrode entropies. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2013, 44, 63-68.	1.4	1
23	Comment on â€™Troublesome aspects of the Renyi-MaxEnt treatmentâ€™. <i>Physical Review E</i> , 2017, 96, 056101.	2.1	1
24	The parameter space and third law of thermodynamics for the Borgesâ€™Roditi, Abe and Sharmaâ€™Mittal entropies. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850274.	2.0	1
25	Entropic analysis of the localizationâ€™delocalization transition in a one-dimensional correlated lattice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123350.	2.6	1
26	Stability Properties of 1-Dimensional Hamiltonian Lattices with Nonanalytic Potentials. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2030047.	1.7	1
27	Comment on â€™Critique of multinomial coefficient method for evaluating Tsallis and RÃ©nyi entropiesâ€™ by A.S. Parvan. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 781-784.	2.6	0