

# Ariel Caticha

## List of Publications by Year in descending order

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42  
papers

474  
citations

933447

10  
h-index

794594

19  
g-index

42  
all docs

42  
docs citations

42  
times ranked

211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropic Dynamics on Gibbs Statistical Manifolds. Entropy, 2021, 23, 494.	2.2	11
2	Entropy, Information, and the Updating of Probabilities. Entropy, 2021, 23, 895.	2.2	8
3	Quantum Mechanics as Hamiltonian Killing Flows on a Statistical Manifold. Physical Sciences Forum, 2021, 3, 12.	0.3	1
4	An Entropic Approach to Classical Density Functional Theory. , 2021, 3, .		0
5	The Entropic Dynamics of Quantum Scalar Fields Coupled to Gravity. Symmetry, 2020, 12, 1324.	2.2	4
6	Entropic dynamics: reconstructing quantum field theory in curved space-time. Classical and Quantum Gravity, 2019, 36, 205013.	4.0	11
7	The Entropic Dynamics Approach to Quantum Mechanics. Entropy, 2019, 21, 943.	2.2	15
8	The Information Geometry of Space-Time. Proceedings (mdpi), 2019, 33, .	0.2	1
9	Entropic Dynamics: Quantum Mechanics from Entropy and Information Geometry. Annalen Der Physik, 2019, 531, 1700408.	2.4	12
10	An Entropic Dynamics Approach to Geometroynamics. Proceedings (mdpi), 2019, 33, 13.	0.2	1
11	Exact Renormalization Groups As a Form of Entropic Dynamics. Entropy, 2018, 20, 25.	2.2	12
12	A covariant approach to entropic dynamics. AIP Conference Proceedings, 2017, , .	0.4	5
13	Quantum measurement and weak values in entropic dynamics. AIP Conference Proceedings, 2017, , .	0.4	9
14	The classical limit of entropic quantum dynamics. AIP Conference Proceedings, 2017, , .	0.4	6
15	Entropic dynamics on curved spaces. AIP Conference Proceedings, 2016, , .	0.4	9
16	Geometry from information geometry. AIP Conference Proceedings, 2016, , .	0.4	0
17	Relational entropic dynamics of particles. AIP Conference Proceedings, 2016, , .	0.4	0
18	Entropic dynamics: The Schrödinger equation and its Bohmian limit. AIP Conference Proceedings, 2016, , .	0.4	5

#	ARTICLE	IF	CITATIONS
19	Entropic dynamics: From entropy and information geometry to Hamiltonians and quantum mechanics. AIP Conference Proceedings, 2015, , .	0.4	9
20	Entropic quantization of scalar fields. AIP Conference Proceedings, 2015, , .	0.4	9
21	Entropic Dynamics. Entropy, 2015, 17, 6110-6128.	2.2	38
22	The basics of information geometry. AIP Conference Proceedings, 2015, , .	0.4	12
23	Entropic Dynamics: an inference approach to quantum theory, time and measurement. Journal of Physics: Conference Series, 2014, 504, 012009.	0.4	10
24	The entropic dynamics of relativistic quantum fields. , 2013, , .		3
25	Entropic inference: Some pitfalls and paradoxes we can avoid. , 2013, , .		3
26	Entropic dynamics and the quantum measurement problem. AIP Conference Proceedings, 2012, , .	0.4	12
27	Momentum and uncertainty relations in the entropic approach to quantum theory. AIP Conference Proceedings, 2012, , .	0.4	8
28	Entropic dynamics, time and quantum theory. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 225303.	2.1	54
29	Entropic Inference. AIP Conference Proceedings, 2011, , .	0.4	12
30	Non-relativistic Gravity in Entropic Quantum Dynamics. , 2011, , .		2
31	Entropic Time. AIP Conference Proceedings, 2011, , .	0.4	9
32	Quantifying Rational Belief. , 2009, , .		6
33	From Entropic Dynamics to Quantum Theory. , 2009, , .		3
34	Using relative entropy to find optimal approximations: An application to simple fluids. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6759-6770.	2.6	9
35	From Inference to Physics. , 2008, , .		4
36	From Objective Amplitudes to Bayesian Probabilities. AIP Conference Proceedings, 2007, , .	0.4	3

#	ARTICLE	IF	CITATIONS
37	Updating Probabilities. AIP Conference Proceedings, 2006, , .	0.4	102
38	Maximum Entropy Approach to the Theory of Simple Fluids. AIP Conference Proceedings, 2004, , .	0.4	2
39	Entropic Priors. AIP Conference Proceedings, 2004, , .	0.4	9
40	Yet another resolution of the Gibbs paradox: an information theory approach. AIP Conference Proceedings, 2002, , .	0.4	8
41	Insufficient Reason and Entropy in Quantum Theory. Foundations of Physics, 2000, 30, 227-251.	1.3	19
42	Consistency and linearity in quantum theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 13-17.	2.1	18