

Ariel Caticha

List of Publications by Year in descending order

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Version: 2024-02-01

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	Updating Probabilities. AIP Conference Proceedings, 2006, , .	0.4	102
2	Entropic dynamics, time and quantum theory. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 225303.	2.1	54
3	Entropic Dynamics. Entropy, 2015, 17, 6110-6128.	2.2	38
4	Insufficient Reason and Entropy in Quantum Theory. Foundations of Physics, 2000, 30, 227-251.	1.3	19
5	Consistency and linearity in quantum theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 13-17.	2.1	18
6	The Entropic Dynamics Approach to Quantum Mechanics. Entropy, 2019, 21, 943.	2.2	15
7	Entropic Inference. AIP Conference Proceedings, 2011, , .	0.4	12
8	Entropic dynamics and the quantum measurement problem. AIP Conference Proceedings, 2012, , .	0.4	12
9	Exact Renormalization Groups As a Form of Entropic Dynamics. Entropy, 2018, 20, 25.	2.2	12
10	Entropic Dynamics: Quantum Mechanics from Entropy and Information Geometry. Annalen Der Physik, 2019, 531, 1700408.	2.4	12
11	The basics of information geometry. AIP Conference Proceedings, 2015, , .	0.4	12
12	Entropic dynamics: reconstructing quantum field theory in curved space-time. Classical and Quantum Gravity, 2019, 36, 205013.	4.0	11
13	Entropic Dynamics on Gibbs Statistical Manifolds. Entropy, 2021, 23, 494.	2.2	11
14	Entropic Dynamics: an inference approach to quantum theory, time and measurement. Journal of Physics: Conference Series, 2014, 504, 012009.	0.4	10
15	Entropic Priors. AIP Conference Proceedings, 2004, , .	0.4	9
16	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
17	Entropic Time. AIP Conference Proceedings, 2011, , .	0.4	9
18	Entropic dynamics: From entropy and information geometry to Hamiltonians and quantum mechanics. AIP Conference Proceedings, 2015, , .	0.4	9

#	ARTICLE	IF	CITATIONS
19	Entropic quantization of scalar fields. AIP Conference Proceedings, 2015, , .	0.4	9
20	Entropic dynamics on curved spaces. AIP Conference Proceedings, 2016, , .	0.4	9
21	Quantum measurement and weak values in entropic dynamics. AIP Conference Proceedings, 2017, , .	0.4	9
22	Yet another resolution of the Gibbs paradox: an information theory approach. AIP Conference Proceedings, 2002, , .	0.4	8
23	Momentum and uncertainty relations in the entropic approach to quantum theory. AIP Conference Proceedings, 2012, , .	0.4	8
24	Entropy, Information, and the Updating of Probabilities. Entropy, 2021, 23, 895.	2.2	8
25	Quantifying Rational Belief. , 2009, , .		6
26	The classical limit of entropic quantum dynamics. AIP Conference Proceedings, 2017, , .	0.4	6
27	Entropic dynamics: The Schrödinger equation and its Bohmian limit. AIP Conference Proceedings, 2016, , .	0.4	5
28	A covariant approach to entropic dynamics. AIP Conference Proceedings, 2017, , .	0.4	5
29	From Inference to Physics. , 2008, , .		4
30	The Entropic Dynamics of Quantum Scalar Fields Coupled to Gravity. Symmetry, 2020, 12, 1324.	2.2	4
31	From Objective Amplitudes to Bayesian Probabilities. AIP Conference Proceedings, 2007, , .	0.4	3
32	From Entropic Dynamics to Quantum Theory. , 2009, , .		3
33	The entropic dynamics of relativistic quantum fields. , 2013, , .		3
34	Entropic inference: Some pitfalls and paradoxes we can avoid. , 2013, , .		3
35	Maximum Entropy Approach to the Theory of Simple Fluids. AIP Conference Proceedings, 2004, , .	0.4	2
36	Non-relativistic Gravity in Entropic Quantum Dynamics. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
37	The Information Geometry of Space-Time. Proceedings (mdpi), 2019, 33, .	0.2	1
38	An Entropic Dynamics Approach to Geometroynamics. Proceedings (mdpi), 2019, 33, 13.	0.2	1
39	Quantum Mechanics as Hamiltonâ€™Killing Flows on a Statistical Manifold. Physical Sciences Forum, 2021, 3, 12.	0.3	1
40	Geometry from information geometry. AIP Conference Proceedings, 2016, , .	0.4	0
41	Relational entropic dynamics of particles. AIP Conference Proceedings, 2016, , .	0.4	0
42	An Entropic Approach to Classical Density Functional Theory. , 2021, 3, .		0