

# Ioannis Kontoyiannis

## List of Publications by Year in descending order

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41  
papers

622  
citations

840776

11  
h-index

752698

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g-index

42  
all docs

42  
docs citations

42  
times ranked

371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian Context Trees: Modelling and Exact Inference for Discrete Time Series. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2022, 84, 1287-1323.	2.2	12
2	Evaluating the effects of second-dose vaccine-delay policies in European countries: A simulation study based on data from Greece. PLoS ONE, 2022, 17, e0263977.	2.5	5
3	Joy Thomas: legacy, foundation and the IT society. IEEE BITS the Information Theory Magazine, 2021, , 1-1.	1.6	0
4	Fundamental Limits of Lossless Data Compression With Side Information. IEEE Transactions on Information Theory, 2021, 67, 2680-2692.	2.4	3
5	Differential Temporal Difference Learning. IEEE Transactions on Automatic Control, 2021, 66, 4652-4667.	5.7	4
6	A simple network of nodes moving on the circle. Random Structures and Algorithms, 2020, 57, 317-338.	1.1	0
7	Packet Speed and Cost in Mobile Wireless Delay-Tolerant Networks. IEEE Transactions on Information Theory, 2020, 66, 5683-5702.	2.4	4
8	Sharp Second-Order Pointwise Asymptotics for Lossless Compression with Side Information. Entropy, 2020, 22, 705.	2.2	0
9	Nonasymptotic Gaussian Approximation for Inference With Stable Noise. IEEE Transactions on Information Theory, 2020, 66, 4966-4991.	2.4	4
10	Geometric ergodicity in a weighted Sobolev space. Annals of Probability, 2020, 48, .	1.8	2
11	The Lévy State Space Model. , 2019, , .		4
12	Entropy Bounds on Abelian Groups and the Ruzsa Divergence. IEEE Transactions on Information Theory, 2018, 64, 77-92.	2.4	20
13	Sharp Gaussian Approximation Bounds for Linear Systems with $\alpha$ -stable Noise. , 2018, , .		1
14	Asymptotics of the Packet Speed and Cost in a Mobile Wireless Network Model. , 2018, , .		2
15	Analysis of a One-Dimensional Continuous Delay-Tolerant Network Model. , 2018, , .		1
16	Deep Tree Models for $\hat{\epsilon}$ ™ Biological Data. , 2018, , .		4
17	Simulated convergence rates with application to an intractable $\hat{\epsilon}$ -stable inference problem. , 2017, , .		2
18	Estimating the Directed Information and Testing for Causality. IEEE Transactions on Information Theory, 2016, 62, 6053-6067.	2.4	30

#	ARTICLE	IF	CITATIONS
19	Optimal Lossless Data Compression: Non-Asymptotics and Asymptotics. IEEE Transactions on Information Theory, 2014, 60, 777-795.	2.4	90
20	Sunset and Inverse Sunset Inequalities for Differential Entropy and Mutual Information. IEEE Transactions on Information Theory, 2014, 60, 4503-4514.	2.4	40
21	Log-concavity, ultra-log-concavity, and a maximum entropy property of discrete compound Poisson measures. Discrete Applied Mathematics, 2013, 161, 1232-1250.	0.9	30
22	Optimal lossless compression: Source varentropy and dispersion. , 2013, , .		8
23	Lossless compression with moderate error probability. , 2013, , .		8
24	Lossless data compression rate: Asymptotics and non-asymptotics. , 2012, , .		9
25	Control Variates for Estimation Based on Reversible Markov Chain Monte Carlo Samplers. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2012, 74, 133-161.	2.2	28
26	Thinning, Entropy, and the Law of Thin Numbers. IEEE Transactions on Information Theory, 2010, 56, 4228-4244.	2.4	29
27	Sparse superposition codes for Gaussian vector quantization. , 2010, , .		12
28	The entropies of the sum and the difference of two IID random variables are not too different. , 2010, , .		15
29	Compound Poisson Approximation via Information Functionals. Electronic Journal of Probability, 2010, 15, .	1.0	29
30	A criterion for the compound poisson distribution to be maximum entropy. , 2009, , .		2
31	Efficient random codebooks and databases for lossy compression in near-linear time. , 2009, , .		8
32	Estimation of the Rate-Distortion Function. IEEE Transactions on Information Theory, 2008, 54, 3757-3762.	2.4	9
33	Counting the primes using entropy. , 2008, , .		1
34	Estimating the Entropy of Binary Time Series: Methodology, Some Theory and a Simulation Study. Entropy, 2008, 10, 71-99.	2.2	81
35	Thinning and the Law of Small Numbers. , 2007, , .		20
36	Identifying Statistical Dependence in Genomic Sequences via Mutual Information Estimates. Eurasip Journal on Bioinformatics and Systems Biology, 2007, 2007, 1-11.	1.4	13

#	ARTICLE	IF	CITATIONS
37	Fisher Information, Compound Poisson Approximation, and the Poisson Channel. , 2007, , .		18
38	From the Entropy to the Statistical Structure of Spike Trains. , 2006, , .		12
39	On Estimating the Rate-Distortion Function. , 2006, , .		0
40	Steady state analysis of balanced-allocation routing. Random Structures and Algorithms, 2005, 26, 446-467.	1.1	3
41	Asymptotic Recurrence and Waiting Times for Stationary Processes. Journal of Theoretical Probability, 1998, 11, 795-811.	0.8	59