Christopher J Quinn

List of Publications by Year
in descending order

18	463	1478505	1588992
18	**463**	**6**	**8**
papers	citations	h-index	g-index

18	**18**	**18**	**421**
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the directed information to infer causal relationships in ensemble neural spike train recordings. Journal of Computational Neuroscience, 2011, 30, 17-44.	1.0	245
2	Directed Information Graphs. IEEE Transactions on Information Theory, 2015, 61, 6887-6909.	2.4	93
3	Fingerprinting With Equiangular Tight Frames. IEEE Transactions on Information Theory, 2013, 59, 1855-1865.	2.4	25
4	Efficient Methods to Compute Optimal Tree Approximations of Directed Information Graphs. IEEE Transactions on Signal Processing, 2013, 61, 3173-3182.	5.3	24
5	Visual Experience-Dependent Oscillations and Underlying Circuit Connectivity Changes Are Impaired in Fmr1 KO Mice. Cell Reports, 2020, 31, 107486.	6.4	20
6	Equivalence between minimal generative model graphs and directed information graphs. , 2011, , .		18
7	Dynamic and Succinct Statistical Analysis of Neuroscience Data. Proceedings of the IEEE, 2014, 102, 683-698.	21.3	14
8	Approximating discrete probability distributions with causal dependence trees. , 2010, , .		4
9	A generalized prediction framework for granger causality. , 2011, , .		3
10	A minimal approach to causal inference on topologies with bounded indegree. , 2011, , .		3
11	Robust directed tree approximations for networks of stochastic processes. , 2013, , .		3
12	Sparse approximations of directed information graphs. , 2016, , .		3
13	Optimal bounded-degree approximations of joint distributions of networks of stochastic processes. , 2013, , .		2
14	Bounded-Degree Connected Approximations of Stochastic Networks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 79-88.	2.1	2
15	A Measure of Synergy, Redundancy, and Unique Information using Information Geometry. , 2019, , .		2
16	Robust Sparse Approximations for Stochastic Dynamical Systems. IFAC-PapersOnLine, 2017, 50, 14010-14015.	0.9	1
17	Modeling Piece-Wise Stationary Time Series. , 2020, , .		1
18	On sparse approximations for time-series networks. , 2016, , .		0