Ryan G James

List of Publications by Year
in descending order

23 papers	546 citations	687363 13 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	443 citing authors

#	Article	IF	Citations
1	Information Flows? A Critique of Transfer Entropies. Physical Review Letters, 2016, 116, 238701.	7.8	104
2	Anatomy of a bit: Information in a time series observation. Chaos, 2011, 21, 037109.	2.5	94
3	Intersection Information Based on Common Randomness. Entropy, 2014, 16, 1985-2000.	2.2	55
4	Multivariate Dependence beyond Shannon Information. Entropy, 2017, 19, 531.	2.2	41
5	dit: a Python package for discrete information theory. Journal of Open Source Software, 2018, 3, 738.	4.6	33
6	Synchronization and control in intrinsic and designed computation: An information-theoretic analysis of competing models of stochastic computation. Chaos, 2010, 20, 037105.	2.5	27
7	Leveraging information storage to select forecast-optimal parameters for delay-coordinate reconstructions. Physical Review E, 2016, 93, 022221.	2.1	25
8	Unique information via dependency constraints. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 014002.	2.1	25
9	How hidden are hidden processes? A primer on crypticity and entropy convergence. Chaos, 2011, 21, 037112.	2.5	20
10	Unique Information and Secret Key Agreement. Entropy, 2019, 21, 12.	2.2	20
11	Information symmetries in irreversible processes. Chaos, 2011, 21, 037107.	2.5	18
12	Many roads to synchrony: Natural time scales and their algorithms. Physical Review E, 2014, 89, 042135.	2.1	14
13	Chaos forgets and remembers: Measuring information creation, destruction, and storage. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2124-2127.	2.1	13
14	Elusive present: Hidden past and future dependency and why we build models. Physical Review E, 2016, 93, 022143.	2.1	11
15	Hidden structures of information transport underlying spiral wave dynamics. Chaos, 2017, 27, 013106.	2.5	10
16	Inter-scale information flow as a surrogate for downward causation that maintains spiral waves. Chaos, 2018, 28, 075306.	2.5	9
17	Anatomy of a Spin: The Information-Theoretic Structure of Classical Spin Systems. Entropy, 2017, 19, 214.	2.2	8
18	Prediction and generation of binary Markov processes: Can a finite-state fox catch a Markov mouse?. Chaos, 2018, 28, 013109.	2.5	6

#	Article	IF	Citations
19	The Complementary Importance of Static Structure and Temporal Dynamics in Teamwork Communication. Human Communication Research, 2018, 44, 427-448.	3.4	4
20	Modes of information flow in collective cohesion. Science Advances, 2022, 8, eabj1720.	10.3	4
21	Correlated structural evolution within multiplex networks. Journal of Complex Networks, 2020, 8, .	1.8	3
22	Information trimming: Sufficient statistics, mutual information, and predictability from effective channel states. Physical Review E, 2017, 95, 060102.	2.1	2
23	Forgetting and Remembering in Chaotic Dynamical Systems. IEICE Proceeding Series, 2014, 2, 41-41.	0.0	0