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	Modes of information flow in collective cohesion. Science Advances, 2022, 8, eabj1720.	10.3	4
2	Correlated structural evolution within multiplex networks. Journal of Complex Networks, 2020, 8, .	1.8	3
3	Unique Information and Secret Key Agreement. Entropy, 2019, 21, 12.	2.2	20
4	Unique information via dependency constraints. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 014002.	2.1	25
5	Prediction and generation of binary Markov processes: Can a finite-state fox catch a Markov mouse?. Chaos, 2018, 28, 013109.	2.5	6
6	The Complementary Importance of Static Structure and Temporal Dynamics in Teamwork Communication. Human Communication Research, 2018, 44, 427-448.	3.4	4
7	Inter-scale information flow as a surrogate for downward causation that maintains spiral waves. Chaos, 2018, 28, 075306.	2.5	9
8	dit: a Python package for discrete information theory. Journal of Open Source Software, 2018, 3, 738.	4.6	33
9	Hidden structures of information transport underlying spiral wave dynamics. Chaos, 2017, 27, 013106.	2.5	10
10	Information trimming: Sufficient statistics, mutual information, and predictability from effective channel states. Physical Review E, 2017, 95, 060102.	2.1	2
11	Anatomy of a Spin: The Information-Theoretic Structure of Classical Spin Systems. Entropy, 2017, 19, 214.	2.2	8
12	Multivariate Dependence beyond Shannon Information. Entropy, 2017, 19, 531.	2.2	41
13	Elusive present: Hidden past and future dependency and why we build models. Physical Review E, 2016, 93, 022143.	2.1	11
14	Leveraging information storage to select forecast-optimal parameters for delay-coordinate reconstructions. Physical Review E, 2016, 93, 022221.	2.1	25
15	Information Flows? A Critique of Transfer Entropies. Physical Review Letters, 2016, 116, 238701.	7.8	104
16	Intersection Information Based on Common Randomness. Entropy, 2014, 16, 1985-2000.	2.2	55
17	Many roads to synchrony: Natural time scales and their algorithms. Physical Review E, 2014, 89, 042135.	2.1	14
18	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

#	Article	IF	Citations
19	Forgetting and Remembering in Chaotic Dynamical Systems. IEICE Proceeding Series, 2014, 2, 41-41.	0.0	0
20	Anatomy of a bit: Information in a time series observation. Chaos, 2011, 21, 037109.	2.5	94
21	How hidden are hidden processes? A primer on crypticity and entropy convergence. Chaos, 2011, 21, 037112.	2.5	20
22	Information symmetries in irreversible processes. Chaos, 2011, 21, 037107.	2.5	18
23	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