David Balduzzi

List of Publications by Year
in descending order

13 papers	805 citations	1163117 8 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	960 citing authors

#	Article	IF	Citations
1	Integrated Information in Discrete Dynamical Systems: Motivation and Theoretical Framework. PLoS Computational Biology, 2008, 4, e1000091.	3.2	258
2	Qualia: The Geometry of Integrated Information. PLoS Computational Biology, 2009, 5, e1000462.	3.2	156
3	Uncovering the structure and temporal dynamics of information propagation. Network Science, 2014, 2, 26-65.	1.0	150
4	Quantifying causal influences. Annals of Statistics, 2013, 41, .	2.6	129
5	A BOLD window into brain waves. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15641-15642.	7.1	54
6	A Neuromorphic Architecture for Object Recognition and Motion Anticipation Using Burst-STDP. PLoS ONE, 2012, 7, e36958.	2.5	21
7	What can neurons do for their brain? Communicate selectivity with bursts. Theory in Biosciences, 2013, 132, 27-39.	1.4	20
8	Donagi-Markman cubic for Hitchin systems. Mathematical Research Letters, 2006, 13, 923-933.	0.5	9
9	METABOLIC COST AS AN ORGANIZING PRINCIPLE FOR COOPERATIVE LEARNING. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350012.	1.4	3
10	Grammars for Games: A Gradient-Based, Game-Theoretic Framework for Optimization in Deep Learning. Frontiers in Robotics and AI, 2016, 2, .	3.2	2
11	On the information-theoretic structure of distributed measurements. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 88, 28-42.	0.8	2
12	POISSON GEOMETRY OF PARABOLIC BUNDLES ON ELLIPTIC CURVES. International Journal of Mathematics, 2008, 19, 339-367.	0.5	0
13	Estimating integrated information with TMS pulses during wakefulness, sleep, and under anesthesia. , 2011, 2011, 4717-20.		0