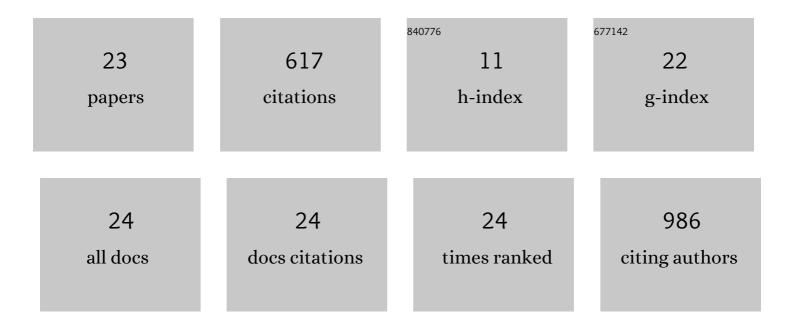
## Jonathan Crofts

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1317818/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Modelling the impact of structural directionality on connectome-based models of neural activity. Journal of Complex Networks, 2020, 8, .	1.8	2
2	The role of node dynamics in shaping emergent functional connectivity patterns in the brain. Network Neuroscience, 2020, 4, 467-483.	2.6	25
3	Mechanisms and Points of Control in the Spread of Inflammation: A Mathematical Investigation. Bulletin of Mathematical Biology, 2020, 82, 45.	1.9	11
4	Spatial considerations in the resolution of inflammation: Elucidating leukocyte interactions via an experimentally-calibrated agent-based model. PLoS Computational Biology, 2020, 16, e1008413.	3.2	7
5	Predicting novel genomic regions linked to genetic disorders using GWAS and chromosome conformation data – a case study of schizophrenia. Scientific Reports, 2019, 9, 17940.	3.3	6
6	Identification of novel genes associated with longevity in Drosophila melanogaster - a computational approach. Aging, 2019, 11, 11244-11267.	3.1	6
7	A numerical simulation of neural fields on curved geometries. Journal of Computational Neuroscience, 2018, 45, 133-145.	1.0	4
8	Differences in anatomical connections across distinct areas in the rodent prefrontal cortex. European Journal of Neuroscience, 2017, 45, 859-873.	2.6	8
9	Collocation Methods for Solving Two-Dimensional Neural Field Models on Complex Triangulated Domains. , 2017, , 169-178.		0
10	Complexity and robustness in hypernetwork models of metabolism. Journal of Theoretical Biology, 2016, 406, 99-104.	1.7	16
11	Structure-function clustering in multiplex brain networks. Europhysics Letters, 2016, 116, 18003.	2.0	38
12	A geometric network model of intrinsic grey-matter connectivity of the human brain. Scientific Reports, 2015, 5, 15397.	3.3	12
13	The topology of connections between rat prefrontal and temporal cortices. Frontiers in Systems Neuroscience, 2015, 9, 80.	2.5	14
14	Network motif frequency vectors reveal evolving metabolic network organisation. Molecular BioSystems, 2015, 11, 77-85.	2.9	7
15	The topology of connections between rat prefrontal, motor and sensory cortices. Frontiers in Systems Neuroscience, 2014, 8, 177.	2.5	44
16	A statistical mechanics description of environmental variability in metabolic networks. Journal of Mathematical Chemistry, 2014, 52, 675-688.	1.5	2
17	Spreading dynamics on spatially constrained complex brain networks. Journal of the Royal Society Interface, 2013, 10, 20130016.	3.4	28
18	Network analysis detects changes in the contralesional hemisphere following stroke. NeuroImage, 2011, 54, 161-169.	4.2	204

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#	Article	IF	CITATIONS
19	Googling the Brain: Discovering Hierarchical and Asymmetric Network Structures, with Applications in Neuroscience. Internet Mathematics, 2011, 7, 233-254.	0.7	19
20	On the use of stabilizing transformations for detecting unstable periodic orbits in high-dimensional flows. Chaos, 2009, 19, 033138.	2.5	4
21	A weighted communicability measure applied to complex brain networks. Journal of the Royal Society Interface, 2009, 6, 411-414.	3.4	148
22	Efficient Detection of Periodic Orbits in Chaotic Systems by Stabilizing Transformations. SIAM Journal of Scientific Computing, 2006, 28, 1275-1288.	2.8	10
23	Synchrony in directed connectomes. Europhysics Letters, 0, , .	2.0	1