

# James A Henderson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/612039/publications.pdf>

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18  
papers

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citations

1163117

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940533

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g-index

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docs citations

18  
times ranked

438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric Effects on Complex Network Structure in the Cortex. Physical Review Letters, 2011, 107, 018102.	7.8	79
2	Dynamical Reconnection and Stability Constraints on Cortical Network Architecture. Physical Review Letters, 2009, 103, 108104.	7.8	55
3	Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. Physical Review E, 2014, 90, 012707.	2.1	48
4	Relations Between the Geometry of Cortical Gyrfication and White-Matter Network Architecture. Brain Connectivity, 2014, 4, 112-130.	1.7	45
5	Spectral Characterization of Hierarchical Modularity in Product Architectures <sup>1</sup> . Journal of Mechanical Design, Transactions of the ASME, 2014, 136, 0110061-1100612.	2.9	42
6	Using Geometry to Uncover Relationships Between Isotropy, Homogeneity, and Modularity in Cortical Connectivity. Brain Connectivity, 2013, 3, 423-437.	1.7	35
7	Spectral Characterization of Hierarchical Network Modularity and Limits of Modularity Detection. PLoS ONE, 2013, 8, e54383.	2.5	19
8	Inference of direct and multistep effective connectivities from functional connectivity of the brain and of relationships to cortical geometry. Journal of Neuroscience Methods, 2017, 283, 42-54.	2.5	18
9	Determination of Dynamic Brain Connectivity via Spectral Analysis. Frontiers in Human Neuroscience, 2021, 15, 655576.	2.0	12
10	Empirical estimation of the eigenmodes of macroscale cortical dynamics: Reconciling neural field eigenmodes and resting-state networks. NeuroImage Reports, 2022, 2, 100103.	1.0	9
11	Dynamical patterns underlying response properties of cortical circuits. Journal of the Royal Society Interface, 2018, 15, 20170960.	3.4	6
12	Brain dynamics and structure-function relationships via spectral factorization and the transfer function. NeuroImage, 2021, 235, 117989.	4.2	6
13	Predicting temporal sequences using an event-based spiking neural network incorporating learnable delays. , 2014, , .		5
14	Functional mechanisms underlie the emergence of a diverse range of plasticity phenomena. PLoS Computational Biology, 2018, 14, e1006590.	3.2	5
15	Multielectrode electroencephalogram power spectra: Theory and application to approximate correction of volume conduction effects. Physical Review E, 2006, 73, 051918.	2.1	4
16	Event-Based Visual Data Sets for Prediction Tasks in Spiking Neural Networks. Lecture Notes in Computer Science, 2014, , 635-642.	1.3	4
17	Commentary on "The growth of cognition: Free energy minimization and the embryogenesis of cortical computation". Physics of Life Reviews, 2021, 36, 15-17.	2.8	1
18	Generalized neural field theory of cortical plasticity illustrated by an application to the linear phase of ocular dominance column formation in primary visual cortex. Biological Cybernetics, 2021, , 1.	1.3	0