

# James A Henderson

## List of Publications by Year in descending order

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18  
papers

393  
citations

1162367

8  
h-index

940134

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical estimation of the eigenmodes of macroscale cortical dynamics: Reconciling neural field eigenmodes and resting-state networks. <i>NeuroImage Reports</i> , 2022, 2, 100103.	0.5	9
2	Commentary on “The growth of cognition: Free energy minimization and the embryogenesis of cortical computation”. <i>Physics of Life Reviews</i> , 2021, 36, 15-17.	1.5	1
3	Determination of Dynamic Brain Connectivity via Spectral Analysis. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 655576.	1.0	12
4	Brain dynamics and structure-function relationships via spectral factorization and the transfer function. <i>NeuroImage</i> , 2021, 235, 117989.	2.1	6
5	Generalized neural field theory of cortical plasticity illustrated by an application to the linear phase of ocular dominance column formation in primary visual cortex. <i>Biological Cybernetics</i> , 2021, , 1.	0.6	0
6	Dynamical patterns underlying response properties of cortical circuits. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170960.	1.5	6
7	Functional mechanisms underlie the emergence of a diverse range of plasticity phenomena. <i>PLoS Computational Biology</i> , 2018, 14, e1006590.	1.5	5
8	Inference of direct and multistep effective connectivities from functional connectivity of the brain and of relationships to cortical geometry. <i>Journal of Neuroscience Methods</i> , 2017, 283, 42-54.	1.3	18
9	Relations Between the Geometry of Cortical Gyrfication and White-Matter Network Architecture. <i>Brain Connectivity</i> , 2014, 4, 112-130.	0.8	45
10	Predicting temporal sequences using an event-based spiking neural network incorporating learnable delays. , 2014, , .		5
11	Event-Based Visual Data Sets for Prediction Tasks in Spiking Neural Networks. <i>Lecture Notes in Computer Science</i> , 2014, , 635-642.	1.0	4
12	Spectral Characterization of Hierarchical Modularity in Product Architectures <sup>1</sup> . <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2014, 136, 0110061-1100612.	1.7	42
13	Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. <i>Physical Review E</i> , 2014, 90, 012707.	0.8	48
14	Using Geometry to Uncover Relationships Between Isotropy, Homogeneity, and Modularity in Cortical Connectivity. <i>Brain Connectivity</i> , 2013, 3, 423-437.	0.8	35
15	Spectral Characterization of Hierarchical Network Modularity and Limits of Modularity Detection. <i>PLoS ONE</i> , 2013, 8, e54383.	1.1	19
16	Geometric Effects on Complex Network Structure in the Cortex. <i>Physical Review Letters</i> , 2011, 107, 018102.	2.9	79
17	Dynamical Reconnection and Stability Constraints on Cortical Network Architecture. <i>Physical Review Letters</i> , 2009, 103, 108104.	2.9	55
18	Multielectrode electroencephalogram power spectra: Theory and application to approximate correction of volume conduction effects. <i>Physical Review E</i> , 2006, 73, 051918.	0.8	4