

James A Henderson

List of Publications by Year in descending order

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18
papers

393
citations

1162367

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h-index

940134

16
g-index

18
all docs

18
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. | 2.9 | 79 |
| 2 | Dynamical Reconnection and Stability Constraints on Cortical Network Architecture. Physical Review Letters, 2009, 103, 108104. | 2.9 | 55 |
| 3 | Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. Physical Review E, 2014, 90, 012707. | 0.8 | 48 |
| 4 | Relations Between the Geometry of Cortical Gyrfication and White-Matter Network Architecture. Brain Connectivity, 2014, 4, 112-130. | 0.8 | 45 |
| 5 | Spectral Characterization of Hierarchical Modularity in Product Architectures ¹ . Journal of Mechanical Design, Transactions of the ASME, 2014, 136, 0110061-1100612. | 1.7 | 42 |
| 6 | Using Geometry to Uncover Relationships Between Isotropy, Homogeneity, and Modularity in Cortical Connectivity. Brain Connectivity, 2013, 3, 423-437. | 0.8 | 35 |
| 7 | Spectral Characterization of Hierarchical Network Modularity and Limits of Modularity Detection. PLoS ONE, 2013, 8, e54383. | 1.1 | 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. | 1.3 | 18 |
| 9 | Determination of Dynamic Brain Connectivity via Spectral Analysis. Frontiers in Human Neuroscience, 2021, 15, 655576. | 1.0 | 12 |
| 10 | Empirical estimation of the eigenmodes of macroscale cortical dynamics: Reconciling neural field eigenmodes and resting-state networks. NeuroImage Reports, 2022, 2, 100103. | 0.5 | 9 |
| 11 | Dynamical patterns underlying response properties of cortical circuits. Journal of the Royal Society Interface, 2018, 15, 20170960. | 1.5 | 6 |
| 12 | Brain dynamics and structure-function relationships via spectral factorization and the transfer function. NeuroImage, 2021, 235, 117989. | 2.1 | 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. | 1.5 | 5 |
| 15 | Multielectrode electroencephalogram power spectra: Theory and application to approximate correction of volume conduction effects. Physical Review E, 2006, 73, 051918. | 0.8 | 4 |
| 16 | Event-Based Visual Data Sets for Prediction Tasks in Spiking Neural Networks. Lecture Notes in Computer Science, 2014, , 635-642. | 1.0 | 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. | 1.5 | 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. | 0.6 | 0 |