

Myles Jones

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,345
citations

236925

25
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	Concurrent Optical Imaging Spectroscopy and Laser-Doppler Flowmetry: The Relationship between Blood Flow, Oxygenation, and Volume in Rodent Barrel Cortex. <i>NeuroImage</i> , 2001, 13, 1002-1015.	4.2	235
2	A Model of the Hemodynamic Response and Oxygen Delivery to Brain. <i>NeuroImage</i> , 2002, 16, 617-637.	4.2	158
3	Negative Blood Oxygen Level Dependence in the Rat: A Model for Investigating the Role of Suppression in Neurovascular Coupling. <i>Journal of Neuroscience</i> , 2010, 30, 4285-4294.	3.6	146
4	Spectroscopic Analysis of Neural Activity in Brain: Increased Oxygen Consumption Following Activation of Barrel Cortex. <i>NeuroImage</i> , 2000, 12, 664-675.	4.2	142
5	The Hemodynamic Impulse Response to a Single Neural Event. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 546-555.	4.3	129
6	Fine Detail of Neurovascular Coupling Revealed by Spatiotemporal Analysis of the Hemodynamic Response to Single Whisker Stimulation in Rat Barrel Cortex. <i>Journal of Neurophysiology</i> , 2008, 99, 787-798.	1.8	119
7	Nonlinear coupling of neural activity and CBF in rodent barrel cortex. <i>NeuroImage</i> , 2004, 22, 956-965.	4.2	107
8	Neurovascular coupling investigated with two-dimensional optical imaging spectroscopy in rat whisker barrel cortex. <i>European Journal of Neuroscience</i> , 2005, 22, 1655-1666.	2.6	105
9	Measuring neural excitation and inhibition in autism: Different approaches, different findings and different interpretations. <i>Brain Research</i> , 2016, 1648, 277-289.	2.2	100
10	The effect of hypercapnia on the neural and hemodynamic responses to somatosensory stimulation. <i>NeuroImage</i> , 2005, 27, 609-623.	4.2	96
11	Increased Oxygen Consumption Following Activation of Brain: Theoretical Footnotes Using Spectroscopic Data from Barrel Cortex. <i>NeuroImage</i> , 2001, 13, 975-987.	4.2	91
12	Changes in Blood Flow, Oxygenation, and Volume Following Extended Stimulation of Rodent Barrel Cortex. <i>NeuroImage</i> , 2002, 15, 474-487.	4.2	86
13	Hemodynamic Response in the Unanesthetized Rat: Intrinsic Optical Imaging and Spectroscopy of the Barrel Cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 670-679.	4.3	81
14	Further nonlinearities in neurovascular coupling in rodent barrel cortex. <i>NeuroImage</i> , 2005, 24, 565-574.	4.2	79
15	A Model of the Dynamic Relationship between Blood Flow and Volume Changes during Brain Activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 1382-1392.	4.3	59
16	The neurogenesis of P1 and N1: A concurrent EEG/LFP study. <i>NeuroImage</i> , 2017, 146, 575-588.	4.2	45
17	Early and Late Stimulus-Evoked Cortical Hemodynamic Responses Provide Insight into the Neurogenic Nature of Neurovascular Coupling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 468-480.	4.3	43
18	Haemodynamic and neural responses to hypercapnia in the awake rat. <i>European Journal of Neuroscience</i> , 2006, 24, 2601-2610.	2.6	42

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19	Retinotopy within rat primary visual cortex using optical imaging. <i>NeuroImage</i> , 2005, 24, 200-206.	4.2	39
20	Long-Latency Reductions in Gamma Power Predict Hemodynamic Changes That Underlie the Negative BOLD Signal. <i>Journal of Neuroscience</i> , 2015, 35, 4641-4656.	3.6	34
21	A dynamic model of neurovascular coupling: Implications for blood vessel dilation and constriction. <i>NeuroImage</i> , 2010, 52, 1135-1147.	4.2	31
22	The resting-state neurovascular coupling relationship: rapid changes in spontaneous neural activity in the somatosensory cortex are associated with haemodynamic fluctuations that resemble stimulus-evoked haemodynamics. <i>European Journal of Neuroscience</i> , 2013, 38, 2902-2916.	2.6	27
23	Superior orientation discrimination and increased peak gamma frequency in autism spectrum conditions.. <i>Journal of Abnormal Psychology</i> , 2016, 125, 412-422.	1.9	27
24	Preservation of visual cortical function following retinal pigment epithelium transplantation in the RCS rat using optical imaging techniques. <i>European Journal of Neuroscience</i> , 2007, 25, 1940-1948.	2.6	26
25	Increased peak gamma frequency in individuals with higher levels of autistic traits. <i>European Journal of Neuroscience</i> , 2015, 41, 1095-1101.	2.6	26
26	Haemodynamic responses to sensory stimulation are enhanced following acute cocaine administration. <i>NeuroImage</i> , 2004, 22, 1744-1753.	4.2	25
27	Oblique Orientation Discrimination Thresholds Are Superior in Those with a High Level of Autistic Traits. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 2844-2850.	2.7	23
28	Altered neurovascular coupling during information-processing states. <i>European Journal of Neuroscience</i> , 2008, 27, 2758-2772.	2.6	22
29	Linear superposition of sensory-evoked and ongoing cortical hemodynamics. <i>Frontiers in Neuroenergetics</i> , 2010, 2, .	5.3	18
30	Contingent negative variation (CNV) associated with sensorimotor timing error correction. <i>NeuroImage</i> , 2016, 127, 58-66.	4.2	18
31	Design and initial evaluation of a low-cost 3-Tesla research system for combined optical and functional MR imaging with interventional capability. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 87-92.	3.4	14
32	Does neural input or processing play a greater role in the magnitude of neuroimaging signals?. <i>Frontiers in Neuroenergetics</i> , 2010, 2, .	5.3	14
33	Atypical EEG in autism spectrum disorder: Comparing a dimensional and a categorical approach.. <i>Journal of Abnormal Psychology</i> , 2019, 128, 442-452.	1.9	14
34	Investigating the Effects of tDCS on Visual Orientation Discrimination Task Performance: the Possible Influence of Placebo. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2020, 4, 235-249.	1.6	13
35	Integration of neural responses originating from different regions of the cortical somatosensory map. <i>Brain Research</i> , 2004, 1030, 284-293.	2.2	12
36	Binocular rivalry dynamics associated with high levels of self-reported autistic traits suggest an imbalance of cortical excitation and inhibition. <i>Behavioural Brain Research</i> , 2020, 388, 112603.	2.2	12

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37	Polarographic Electrode Measures of Cerebral Tissue Oxygenation: Implications for Functional Brain Imaging. <i>Sensors</i> , 2008, 8, 7649-7670.	3.8	9
38	Temporal coupling between stimulus-evoked neural activity and hemodynamic responses from individual cortical columns. <i>Physics in Medicine and Biology</i> , 2010, 55, 2203-2219.	3.0	9
39	Lateral inhibition in the autism spectrum: An SSVEP study of visual cortical lateral interactions. <i>Neuropsychologia</i> , 2018, 111, 369-376.	1.6	8
40	Transcranial direct current stimulation for auditory verbal hallucinations: a systematic review of clinical trials. <i>Neural Regeneration Research</i> , 2021, 16, 666.	3.0	7
41	Decreased haemodynamic response and decoupling of cortical gamma-band activity and tissue oxygen perfusion after striatal interleukin-1 injection. <i>Journal of Neuroinflammation</i> , 2016, 13, 195.	7.2	6
42	Atypical neural variability in carriers of 16p11.2 copy number variants. <i>Autism Research</i> , 2019, 12, 1322-1333.	3.8	6
43	Altered neural dynamics in people who report spontaneous out of body experiences. <i>Cortex</i> , 2019, 111, 87-99.	2.4	5
44	Mapping the campus learning landscape. <i>Pedagogy, Culture and Society</i> , 2022, 30, 149-167.	2.6	5
45	Pseudo-random procedures for rapid presentation rates using optical imaging and spectroscopy. <i>NeuroReport</i> , 2000, 11, 2247-2252.	1.2	4
46	Inter-Trial Variability in Sensory-Evoked Cortical Hemodynamic Responses: The Role of the Magnitude of Pre-Stimulus Fluctuations. <i>Frontiers in Neuroenergetics</i> , 2012, 4, 10.	5.3	4
47	Spontaneous neural activity relates to psychiatric traits in 16p11.2 CNV carriers: An analysis of EEG spectral power and multiscale entropy. <i>Journal of Psychiatric Research</i> , 2021, 136, 610-618.	3.1	3
48	No effects of transcranial direct current stimulation on visual evoked potential and peak gamma frequency. <i>Cognitive Processing</i> , 2022, , 1.	1.4	3
49	A novel method for classifying cortical state to identify the accompanying changes in cerebral hemodynamics. <i>Journal of Neuroscience Methods</i> , 2016, 267, 21-34.	2.5	2
50	The efficacy of interactive group psychoeducation for children with leukaemia: A randomised controlled trial. <i>Patient Education and Counseling</i> , 2021, 104, 3008-3015.	2.2	1