

Jonathan P Coles

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

4,154
citations

201385

27
h-index

253896

43
g-index

45
all docs

45
docs citations

45
times ranked

6030
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurological and neuropsychiatric complications of COVID-19 in 153 patients: a UK-wide surveillance study. <i>Lancet Psychiatry</i> , 2020, 7, 875-882.	3.7	1,005
2	Hyperventilation following head injury: Effect on ischemic burden and cerebral oxidative metabolism*. <i>Critical Care Medicine</i> , 2007, 35, 568-578.	0.4	306
3	Effect of hyperventilation on cerebral blood flow in traumatic head injury: Clinical relevance and monitoring correlates*. <i>Critical Care Medicine</i> , 2002, 30, 1950-1959.	0.4	302
4	Incidence and Mechanisms of Cerebral Ischemia in Early Clinical Head Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 202-211.	2.4	271
5	Effect of hyperoxia on regional oxygenation and metabolism after severe traumatic brain injury: Preliminary findings*. <i>Critical Care Medicine</i> , 2008, 36, 273-281.	0.4	207
6	Defining Ischemic Burden after Traumatic Brain Injury Using 15O PET Imaging of Cerebral Physiology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 191-201.	2.4	187
7	Correlation between Cerebral Blood Flow, Substrate Delivery, and Metabolism in Head Injury: A Combined Microdialysis and Triple Oxygen Positron Emission Tomography Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 735-745.	2.4	171
8	The pattern of amyloid accumulation in the brains of adults with Down syndrome. <i>Alzheimer's and Dementia</i> , 2016, 12, 538-545.	0.4	136
9	Amyloid Imaging With Carbon 11- ¹¹ C-Labeled Pittsburgh Compound B for Traumatic Brain Injury. <i>JAMA Neurology</i> , 2014, 71, 23.	4.5	132
10	Pathophysiologic Mechanisms of Cerebral Ischemia and Diffusion Hypoxia in Traumatic Brain Injury. <i>JAMA Neurology</i> , 2016, 73, 542.	4.5	125
11	Glial Fibrillary Acidic Protein and Ubiquitin C-Terminal Hydrolase-L1 as Outcome Predictors in Traumatic Brain Injury. <i>World Neurosurgery</i> , 2016, 87, 8-20.	0.7	98
12	Intersubject Variability and Reproducibility of 15O PET Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 48-57.	2.4	85
13	Does induced hypertension reduce cerebral ischaemia within the traumatized human brain?. <i>Brain</i> , 2004, 127, 2479-2490.	3.7	84
14	Human Serum Metabolites Associate With Severity and Patient Outcomes in Traumatic Brain Injury. <i>EBioMedicine</i> , 2016, 12, 118-126.	2.7	76
15	Glial Fibrillary Acidic Protein and Ubiquitin C-Terminal Hydrolase-L1 Are Not Specific Biomarkers for Mild CT-Negative Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1427-1438.	1.7	76
16	Regional ischemia after head injury. <i>Current Opinion in Critical Care</i> , 2004, 10, 120-125.	1.6	70
17	Neuroimaging of Inflammation in Memory and Related Other Disorders (NIMROD) study protocol: a deep phenotyping cohort study of the role of brain inflammation in dementia, depression and other neurological illnesses. <i>BMJ Open</i> , 2017, 7, e013187.	0.8	65
18	Glycaemic control targets after traumatic brain injury: a systematic review and meta-analysis. <i>Critical Care</i> , 2018, 22, 11.	2.5	62

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19	Synaptic Loss in Primary Tauopathies Revealed by [¹¹ C]UCBâ€¦ Positron Emission Tomography. <i>Movement Disorders</i> , 2020, 35, 1834-1842.	2.2	61
20	A combined microdialysis and FDG-PET study of glucose metabolism in head injury. <i>Acta Neurochirurgica</i> , 2009, 151, 51-61.	0.9	60
21	Dynamic Changes in White Matter Abnormalities Correlate With Late Improvement and Deterioration Following TBI. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 49-62.	1.4	59
22	Inter Subject Variability and Reproducibility of Diffusion Tensor Imaging within and between Different Imaging Sessions. <i>PLoS ONE</i> , 2013, 8, e65941.	1.1	58
23	Microstructural Basis of Contusion Expansion in Traumatic Brain Injury: Insights from Diffusion Tensor Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 855-862.	2.4	51
24	The Down syndrome brain in the presence and absence of fibrillar β 2-amyloidosis. <i>Neurobiology of Aging</i> , 2017, 53, 11-19.	1.5	50
25	Spatial and Temporal Pattern of Ischemia and Abnormal Vascular Function Following Traumatic Brain Injury. <i>JAMA Neurology</i> , 2020, 77, 339.	4.5	49
26	Early Derangements in Oxygen and Glucose Metabolism Following Head Injury: The Ischemic Penumbra and Pathophysiological Heterogeneity. <i>Neurocritical Care</i> , 2008, 9, 319-325.	1.2	46
27	Spectrum, risk factors and outcomes of neurological and psychiatric complications of COVID-19: a UK-wide cross-sectional surveillance study. <i>Brain Communications</i> , 2021, 3, fcab168.	1.5	33
28	Early Metabolic Characteristics of Lesion and Nonlesion Tissue after Head Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 965-975.	2.4	29
29	Integrated image analysis solutions for PET datasets in damaged brain. <i>Journal of Clinical Monitoring and Computing</i> , 2002, 17, 427-440.	0.7	23
30	Imaging of cerebral blood flow and metabolism. <i>Current Opinion in Anaesthesiology</i> , 2006, 19, 473-480.	0.9	22
31	Use of Diffusion Tensor Imaging to Assess the Impact of Normobaric Hyperoxia within At-Risk Pericontusional Tissue after Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1622-1627.	2.4	22
32	Serum Metabolites Associated with Computed Tomography Findings after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2673-2683.	1.7	20
33	Comparison of Inter Subject Variability and Reproducibility of Whole Brain Proton Spectroscopy. <i>PLoS ONE</i> , 2014, 9, e115304.	1.1	20
34	Metabolic derangements are associated with impaired glucose delivery following traumatic brain injury. <i>Brain</i> , 2021, 144, 3492-3504.	3.7	19
35	Validation of a combined image derived input function and venous sampling approach for the quantification of [¹⁸ F]GE-179 PET binding in the brain. <i>NeuroImage</i> , 2021, 237, 118194.	2.1	17
36	Pharmacological management of post-traumatic seizures in adults: current practice patterns in the UK and the Republic of Ireland. <i>Acta Neurochirurgica</i> , 2019, 161, 457-464.	0.9	14

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37	Longitudinal trajectories of amyloid deposition, cortical thickness, and tau in Down syndrome: A deep phenotyping case report. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 654-658.	1.2	13
38	Comment on "In Vivo ¹⁸ F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates". <i>ACS Chemical Neuroscience</i> , 2019, 10, 768-772.	1.7	11
39	Characterising neuropsychiatric disorders in patients with COVID-19 – Authors' reply. <i>Lancet Psychiatry</i> , 2020, 7, 934-935.	3.7	10
40	Normobaric hyperoxia does not improve derangements in diffusion tensor imaging found distant from visible contusions following acute traumatic brain injury. <i>Scientific Reports</i> , 2017, 7, 12419.	1.6	2
41	Cortical atrophy and amyloid and tau deposition in Down syndrome: A longitudinal study. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2022, 14, e12288.	1.2	2
42	Support vector machine learning and diffusion-derived structural networks predict amyloid quantity and cognition in adults with Down's syndrome. <i>Neurobiology of Aging</i> , 2022, 115, 112-121.	1.5	2
43	Diffusion Hypoxia and/or Primary Mitochondrial Failure? – Reply. <i>JAMA Neurology</i> , 2016, 73, 1373.	4.5	1