# Paul Gerald M Mullins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3036669/publications.pdf

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|---|---|---|---|
| 55<br>papers | 4,415<br>citations | 172207<br>29<br>h-index | 189595<br>50<br>g-index |
| 57<br>all docs | 57<br>docs citations | 57<br>times ranked | 6083<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hypoxia alters posterior cingulate cortex metabolism during a memory task: A 1H fMRS study. NeuroImage, 2022, 260, 119397. | 2.1 | 2 |
| 2 | Reversal of neurovascular coupling in the default mode network: Evidence from hypoxia. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 805-818. | 2.4 | 18 |
| 3 | Minimum Reporting Standards for in vivo Magnetic Resonance Spectroscopy (MRSinMRS): Experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4484. | 1.6 | 144 |
| 4 | Neurochemistry of response inhibition and interference in gambling disorder: a preliminary study of Î³-aminobutyric acid (GABA+) and glutamateâ€“glutamine (Glx). CNS Spectrums, 2021, , 1-11. | 0.7 | 0 |
| 5 | Bilateral regional extracranial blood flow regulation to hypoxia and unilateral duplex ultrasound measurement error. Experimental Physiology, 2021, 106, 1535-1548. | 0.9 | 4 |
| 6 | Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430. | 2.1 | 28 |
| 7 | Circadian circuits in humans: White matter microstructure predicts daytime sleepiness. Cortex, 2020, 122, 97-107. | 1.1 | 6 |
| 8 | Impulsive decision-making and gambling severity: The influence of Î³-amino-butyric acid (GABA) and glutamate-glutamine (Glx). European Neuropsychopharmacology, 2020, 32, 36-46. | 0.3 | 11 |
| 9 | Regional Striatal Cholinergic Involvement in Human Behavioral Flexibility. Journal of Neuroscience, 2019, 39, 5740-5749. | 1.7 | 15 |
| 10 | Methodological consensus on clinical proton MRS of the brain: Review and recommendations. Magnetic Resonance in Medicine, 2019, 82, 527-550. | 1.9 | 280 |
| 11 | Towards a theory of functional magnetic resonance spectroscopy (<scp>fMRS</scp>): A metaâ€analysis and discussion of using <scp>MRS</scp> to measure changes in neurotransmitters in real time. Scandinavian Journal of Psychology, 2018, 59, 91-103. | 0.8 | 55 |
| 12 | Beyond static measures: A review of functional magnetic resonance spectroscopy and its potential to investigate dynamic glutamatergic abnormalities in schizophrenia. Journal of Psychopharmacology, 2018, 32, 497-508. | 2.0 | 43 |
| 13 | Errors in <sup>1</sup>Hâ€MRS estimates of brain metabolite concentrations caused by failing to take into account tissueâ€specific signal relaxation. NMR in Biomedicine, 2018, 31, e3914. | 1.6 | 39 |
| 14 | What do people with dementia and their carers want to know about neuroimaging for dementia?. Dementia, 2017, 16, 461-470. | 1.0 | 0 |
| 15 | Aging-Related Microstructural Alterations Along the Length of the Cingulum Bundle. Brain Connectivity, 2017, 7, 366-372. | 0.8 | 15 |
| 16 | Unexpected reductions in regional cerebral perfusion during prolonged hypoxia. Journal of Physiology, 2017, 595, 935-947. | 1.3 | 42 |
| 17 | Current Practice in the Referral of Individuals with Suspected Dementia for Neuroimaging by General Practitioners in Ireland and Wales. PLoS ONE, 2016, 11, e0151793. | 1.1 | 0 |
| 18 | The Subjective Experience of Pain: An FMRI Study of Percept-Related Models and Functional Connectivity. Pain Medicine, 2015, 16, 2121-2133. | 0.9 | 56 |

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|---|---|---|---|
| 19 | Connectivity between the superior colliculus and the amygdala in humans and macaque monkeys: virtual dissection with probabilistic DTI tractography. Journal of Neurophysiology, 2015, 114, 1947-1962. | 0.9 | 100 |
| 20 | 1H-MRS glutamate level predicts auditory sensory gating in alcohol dependence: Preliminary results. Neuropsychiatric Electrophysiology, 2015, 1, . | 4.1 | 0 |
| 21 | Fornix White Matter is Correlated with Resting-State Functional Connectivity of the Thalamus and Hippocampus in Healthy Aging but Not in Mild Cognitive Impairment Ã¢â‚¬â€œ A Preliminary Study. Frontiers in Aging Neuroscience, 2015, 7, 10. | 1.7 | 18 |
| 22 | Event-related dynamics of glutamate and BOLD effects measured using functional magnetic resonance spectroscopy (fMRS) at 3 T in a repetition suppression paradigm. NeuroImage, 2015, 118, 292-300. | 2.1 | 75 |
| 23 | The neural substrates for the different modalities of movement imagery. Brain and Cognition, 2015, 97, 22-31. | 0.8 | 57 |
| 24 | Neuroimaging referral for dementia diagnosis: The specialist's perspective in Ireland. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2015, 1, 41-47. | 1.2 | 1 |
| 25 | The neural correlates of beauty comparison. Social Cognitive and Affective Neuroscience, 2014, 9, 681-688. | 1.5 | 27 |
| 26 | Advances in MRI biomarkers for the diagnosis of Alzheimer's disease. Biomarkers in Medicine, 2014, 8, 1151-1169. | 0.6 | 47 |
| 27 | Prolonged (9Âh) poikilocapnic hypoxia (12% O<sub>2</sub>) augments cutaneous thermal hyperaemia in healthy humans. Experimental Physiology, 2014, 99, 909-920. | 0.9 | 17 |
| 28 | Normobaric hypoxia and symptoms of acute mountain sickness: Elevated brain volume and intracranial hypertension. Annals of Neurology, 2014, 75, 890-898. | 2.8 | 50 |
| 29 | Glutamatergic correlates of gamma-band oscillatory activity during cognition: A concurrent ER-MRS and EEG study. NeuroImage, 2014, 85, 823-833. | 2.1 | 105 |
| 30 | Anabolic exercise in haemodialysis patients: a randomised controlled pilot study. Journal of Cachexia, Sarcopenia and Muscle, 2014, 5, 199-207. | 2.9 | 88 |
| 31 | Current practice in the use of MEGA-PRESS spectroscopy for the detection of GABA. NeuroImage, 2014, 86, 43-52. | 2.1 | 448 |
| 32 | The salience network is responsible for switching between the default mode network and the central executive network: Replication from DCM. NeuroImage, 2014, 99, 180-190. | 2.1 | 562 |
| 33 | Investigation of Whole-Brain White Matter Identifies Altered Water Mobility in the Pathogenesis of High-Altitude Headache. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1286-1294. | 2.4 | 20 |
| 34 | Optic Nerve Sheath Diameter Is Not Related to High Altitude Headache: A Randomized Controlled Trial. High Altitude Medicine and Biology, 2012, 13, 193-199. | 0.5 | 25 |
| 35 | Arteriovenous fistula complication following MRI. BMJ Case Reports, 2012, 2012, bcr0320126103-bcr0320126103. | 0.2 | 1 |
| 36 | Perturbation of the Glutamateâ€“Glutamine System in Alcohol Dependence and Remission. Neuropsychopharmacology, 2011, 36, 1359-1365. | 2.8 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Glutamate as a Marker of Cognitive Function in Schizophrenia: A Proton Spectroscopic Imaging Study at 4 Tesla. Biological Psychiatry, 2011, 69, 19-27. | 0.7 | 91 |
| 38 | 1H-MRS at 4 Tesla in minimally treated early schizophrenia. Molecular Psychiatry, 2010, 15, 629-636. | 4.1 | 159 |
| 39 | Elevated Cerebral Blood Flow and Volume in Systemic Lupus Measured by Dynamic Susceptibility Contrast Magnetic Resonance Imaging. Journal of Rheumatology, 2010, 37, 1834-1843. | 1.0 | 29 |
| 40 | Mitochondrial function in physically active elders with sarcopenia. Mechanisms of Ageing and Development, 2009, 130, 315-319. | 2.2 | 12 |
| 41 | Quantitative spectroscopic imaging with in situ measurements of tissue water T<sub>1</sub>, T<sub>2</sub>, and density. Magnetic Resonance in Medicine, 2009, 62, 583-590. | 1.9 | 27 |
| 42 | The Role of Resilience and Purpose in Life in Habituation to Heat and Cold Pain. Journal of Pain, 2009, 10, 493-500. | 0.7 | 85 |
| 43 | Comparative reliability of proton spectroscopy techniques designed to improve detection of Jâ€coupled metabolites. Magnetic Resonance in Medicine, 2008, 60, 964-969. | 1.9 | 118 |
| 44 | Habituation and sensitization to heat and cold pain in women with fibromyalgia and healthy controls. Pain, 2008, 140, 420-428. | 2.0 | 119 |
| 45 | Proton echoâ€planar spectroscopic imaging of Jâ€coupled resonances in human brain at 3 and 4 Tesla. Magnetic Resonance in Medicine, 2007, 58, 236-244. | 1.9 | 115 |
| 46 | Use of tissue water as a concentration reference for proton spectroscopic imaging. Magnetic Resonance in Medicine, 2006, 55, 1219-1226. | 1.9 | 430 |
| 47 | Effects of Ketamine on Anterior Cingulate Glutamate Metabolism in Healthy Humans: A 4-T Proton MRS Study. American Journal of Psychiatry, 2005, 162, 394-396. | 4.0 | 287 |
| 48 | A novel technique to study the brain's response to pain: Proton magnetic resonance spectroscopy. NeuroImage, 2005, 26, 642-646. | 2.1 | 115 |
| 49 | Reproducibility of1H-MRS measurements in schizophrenic patients. Magnetic Resonance in Medicine, 2003, 50, 704-707. | 1.9 | 42 |
| 50 | Neuroprotective and Nootropic Actions of a Novel Cyclized Dipeptide after Controlled Cortical Impact Injury in Mice. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 355-363. | 2.4 | 43 |
| 51 | Closed-head minimal traumatic brain injury produces long-term cognitive deficits in mice. Neuroscience, 2003, 118, 949-955. | 1.1 | 193 |
| 52 | Neuroprotective and Nootropic Actions of a Novel Cyclized Dipeptide After Controlled Cortical Impact Injury in Mice. Journal of Cerebral Blood Flow and Metabolism, 2003, , 355-363. | 2.4 | 24 |
| 53 | Ischaemic preconditioning in the rat brain: a longitudinal magnetic resonance imaging (MRI) study. NMR in Biomedicine, 2001, 14, 204-209. | 1.6 | 16 |
| 54 | The effect of sample freezing on proton magic-angle spinning NMR spectra of biological tissue. Magnetic Resonance in Medicine, 1998, 40, 166-169. | 1.9 | 30 |

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|---|---|---|---|
| 55 | Localized <sup>1</sup>H NMR spectroscopy of rat spinal cord in Vivo. Magnetic Resonance in Medicine, 1996, 35, 443-448. | 1.9 | 10 |