

# Paul Heath

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

4,170  
citations

101384

36  
h-index

123241

61  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of neurovascular coupling and cortical spreading depression in mixed mouse models of atherosclerosis and Alzheimer’s disease. <i>ELife</i> , 2022, 11, .	2.8	12
2	Sorting nexin 24 is required for $\hat{\pm}$ -granule biogenesis and cargo delivery in megakaryocytes. <i>Haematologica</i> , 2022, 107, 1902-1913.	1.7	2
3	Profiling Blood Serum Extracellular Vesicles in Plaque Psoriasis and Psoriatic Arthritis Patients Reveals Potential Disease Biomarkers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4005.	1.8	4
4	RNA-Seq Profiling of Neutrophil-Derived Microvesicles in Alzheimer’s Disease Patients Identifies a miRNA Signature That May Impact Blood-Brain Barrier Integrity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5913.	1.8	7
5	TDP43 proteinopathy is associated with aberrant DNA methylation in human amyotrophic lateral sclerosis. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 61-72.	1.8	18
6	Review: Microglia in motor neuron disease. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 179-197.	1.8	20
7	Heterogeneity of cellular inflammatory responses in ageing white matter and relationship to Alzheimer’s and small vessel disease pathologies. <i>Brain Pathology</i> , 2021, 31, e12928.	2.1	10
8	Integrative molecular characterization of pediatric spinal ependymoma: the UK Children’s Cancer and Leukaemia Group study. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab043.	0.4	6
9	Value of systematic genetic screening of patients with amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 510-518.	0.9	69
10	Comparison and optimisation of microRNA extraction from the plasma of healthy pregnant women. <i>Molecular Medicine Reports</i> , 2021, 23, 1.	1.1	110
11	IL-1B drives opposing responses in primary tumours and bone metastases; harnessing combination therapies to improve outcome in breast cancer. <i>Npj Breast Cancer</i> , 2021, 7, 95.	2.3	28
12	SRSF1-dependent inhibition of C9ORF72-repeat RNA nuclear export: genome-wide mechanisms for neuroprotection in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2021, 16, 53.	4.4	13
13	Persistent DNA damage alters the neuronal transcriptome suggesting cell cycle dysregulation and altered mitochondrial function. <i>European Journal of Neuroscience</i> , 2021, 54, 6987-7005.	1.2	7
14	Amyotrophic lateral sclerosis transcriptomics reveals immunological effects of low-dose interleukin-2. <i>Brain Communications</i> , 2021, 3, fcab141.	1.5	17
15	Type 2 diabetes mellitus-associated transcriptome alterations in cortical neurones and associated neurovascular unit cells in the ageing brain. <i>Acta Neuropathologica Communications</i> , 2021, 9, 5.	2.4	17
16	Expression of p16 and p21 in the frontal association cortex of <scp>ALS</scp>/<scp>MND</scp> brains suggests neuronal cell cycle dysregulation and astrocyte senescence in early stages of the disease. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 171-185.	1.8	42
17	Neuropathological characterization of a novel TANK binding kinase ( TBK1 ) gene loss of function mutation associated with amyotrophic lateral sclerosis. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 279-291.	1.8	12
18	Advanced Glycation End Product Formation in Human Cerebral Cortex Increases With Alzheimer-Type Neuropathologic Changes but Is Not Independently Associated With Dementia in a Population-Derived Aging Brain Cohort. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 950-958.	0.9	7

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19	Transcriptomic Analysis of Age-Associated Periventricular Lesions Reveals Dysregulation of the Immune Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7924.	1.8	7
20	Identification of single nucleotide variants in the Moroccan population by whole-genome sequencing. <i>BMC Genetics</i> , 2020, 21, 111.	2.7	3
21	Transcriptomic Analysis of Human Astrocytes In Vitro Reveals Hypoxia-Induced Mitochondrial Dysfunction, Modulation of Metabolism, and Dysregulation of the Immune Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8028.	1.8	16
22	Paternal effects in a wild-type zebrafish implicate a role of sperm-derived small RNAs. <i>Molecular Ecology</i> , 2020, 29, 2722-2735.	2.0	24
23	NDRG2 Expression Correlates with Neurofibrillary Tangles and Microglial Pathology in the Ageing Brain. <i>International Journal of Molecular Sciences</i> , 2020, 21, 340.	1.8	4
24	Profiling microRNAs in uncomplicated pregnancies: Serum vs. plasma. <i>Biomedical Reports</i> , 2020, 14, 24.	0.9	7
25	Age-Associated mRNA and miRNA Expression Changes in the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3097.	1.8	18
26	C9orf72 expansion within astrocytes reduces metabolic flexibility in amyotrophic lateral sclerosis. <i>Brain</i> , 2019, 142, 3771-3790.	3.7	59
27	Neutrophil-Derived Microvesicle Induced Dysfunction of Brain Microvascular Endothelial Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5227.	1.8	36
28	Endogenous Production of IL1B by Breast Cancer Cells Drives Metastasis and Colonization of the Bone Microenvironment. <i>Clinical Cancer Research</i> , 2019, 25, 2769-2782.	3.2	120
29	Micro-RNAs secreted through astrocyte-derived extracellular vesicles cause neuronal network degeneration in C9orf72 ALS. <i>EBioMedicine</i> , 2019, 40, 626-635.	2.7	138
30	The Time Course of Recognition Memory Impairment and Glial Pathology in the hAPP-J20 Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 609-624.	1.2	23
31	Mutations in the Glycosyltransferase Domain of GLT8D1 Are Associated with Familial Amyotrophic Lateral Sclerosis. <i>Cell Reports</i> , 2019, 26, 2298-2306.e5.	2.9	57
32	Immuno-Laser-Capture Microdissection for the Isolation of Enriched Glial Populations from Frozen Post-Mortem Human Brain. <i>Methods in Molecular Biology</i> , 2018, 1723, 273-284.	0.4	7
33	Age-associated changes in the blood-brain barrier: comparative studies in human and mouse. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 328-340.	1.8	84
34	Whole Genome Sequencing in an Acrodermatitis Enteropathica Family from the Middle East. <i>Dermatology Research and Practice</i> , 2018, 2018, 1-9.	0.3	2
35	Translating SOD1 Gene Silencing toward the Clinic: A Highly Efficacious, Off-Target-free, and Biomarker-Supported Strategy for fALS. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 75-88.	2.3	33
36	Loss of IGF1R in Human Astrocytes Alters Complex I Activity and Support for Neurons. <i>Neuroscience</i> , 2018, 390, 46-59.	1.1	23

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37	Proteomic and cellular localisation studies suggest non-tight junction cytoplasmic and nuclear roles for occludin in astrocytes. <i>European Journal of Neuroscience</i> , 2018, 47, 1444-1456.	1.2	14
38	Metallothionein-II expression associates with the astrocyte DNA damage response and not Alzheimer-type pathology in the aging brain. <i>Glia</i> , 2018, 66, 2316-2323.	2.5	27
39	Human axial progenitors generate trunk neural crest cells in vitro. <i>ELife</i> , 2018, 7, .	2.8	81
40	Spinal muscular atrophy: Factors that modulate motor neurone vulnerability. <i>Neurobiology of Disease</i> , 2017, 102, 11-20.	2.1	14
41	Serum miRNAs miR-206, 143-3p and 374b-5p as potential biomarkers for amyotrophic lateral sclerosis (ALS). <i>Neurobiology of Aging</i> , 2017, 55, 123-131.	1.5	117
42	A data-driven approach links microglia to pathology and prognosis in amyotrophic lateral sclerosis. <i>Acta Neuropathologica Communications</i> , 2017, 5, 23.	2.4	63
43	Review: Neuropathology and behavioural features of transgenic murine models of Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 553-570.	1.8	46
44	Review: Astrocytes in Alzheimer's disease and other age-associated dementias: a supporting player with a central role. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 281-298.	1.8	166
45	Transcriptome Analysis of Gene Expression Provides New Insights into the Effect of Mild Therapeutic Hypothermia on Primary Human Cortical Astrocytes Cultured under Hypoxia. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 386.	1.8	50
46	C9ORF72 hexanucleotide repeat exerts toxicity in a stable, inducible motor neuronal cell model, which is rescued by partial depletion of Pten. <i>Human Molecular Genetics</i> , 2017, 26, 1133-1145.	1.4	23
47	Small RNA Sequencing of Sporadic Amyotrophic Lateral Sclerosis Cerebrospinal Fluid Reveals Differentially Expressed miRNAs Related to Neural and Glial Activity. <i>Frontiers in Neuroscience</i> , 2017, 11, 731.	1.4	83
48	Bioenergetic status modulates motor neuron vulnerability and pathogenesis in a zebrafish model of spinal muscular atrophy. <i>PLoS Genetics</i> , 2017, 13, e1006744.	1.5	69
49	Immune response in peripheral axons delays disease progression in SOD1G93A mice. <i>Journal of Neuroinflammation</i> , 2016, 13, 261.	3.1	63
50	The genetics of amyotrophic lateral sclerosis: current insights. <i>Degenerative Neurological and Neuromuscular Disease</i> , 2016, 6, 49.	0.7	65
51	Oligodendrocytes contribute to motor neuron death in ALS via SOD1-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6496-E6505.	3.3	139
52	Gene expression profiling of the astrocyte transcriptome in multiple sclerosis normal appearing white matter reveals a neuroprotective role. <i>Journal of Neuroimmunology</i> , 2016, 299, 139-146.	1.1	44
53	Neuronal DNA damage response-associated dysregulation of signalling pathways and cholesterol metabolism at the earliest stages of Alzheimer-type pathology. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 167-179.	1.8	28
54	Expression microdissection isolation of enriched cell populations from archival brain tissue. <i>Journal of Neuroscience Methods</i> , 2016, 268, 125-130.	1.3	1

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55	Oxidative Glial Cell Damage Associated with White Matter Lesions in the Aging Human Brain. <i>Brain Pathology</i> , 2015, 25, 565-574.	2.1	57
56	Lysosomal and phagocytic activity is increased in astrocytes during disease progression in the SOD1 G93A mouse model of amyotrophic lateral sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 410.	1.8	36
57	C9ORF72 GGGGCC Expanded Repeats Produce Splicing Dysregulation which Correlates with Disease Severity in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2015, 10, e0127376.	1.1	83
58	The nuclear retention of transcription factor FOXO3a correlates with a DNA damage response and increased glutamine synthetase expression by astrocytes suggesting a neuroprotective role in the ageing brain. <i>Neuroscience Letters</i> , 2015, 609, 11-17.	1.0	58
59	Binding loci of RelA-containing nuclear factor-kappaB dimers in promoter regions of PHM1-31 myometrial smooth muscle cells. <i>Molecular Human Reproduction</i> , 2015, 21, 865-883.	1.3	3
60	Luzp4 defines a new mRNA export pathway in cancer cells. <i>Nucleic Acids Research</i> , 2015, 43, 2353-2366.	6.5	56
61	Insulin and IGF1 signalling pathways in human astrocytes in vitro and in vivo; characterisation, subcellular localisation and modulation of the receptors. <i>Molecular Brain</i> , 2015, 8, 51.	1.3	68
62	A neuronal DNA damage response is detected at the earliest stages of Alzheimer's neuropathology and correlates with cognitive impairment in the Medical Research Council's Cognitive Function and Ageing Study ageing brain cohort. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 483-496.	1.8	40
63	Alpha-synuclein mRNA expression in oligodendrocytes in MSA. <i>Glia</i> , 2014, 62, 964-970.	2.5	149
64	Loss of nuclear TDP-43 in amyotrophic lateral sclerosis (ALS) causes altered expression of splicing machinery and widespread dysregulation of RNA splicing in motor neurones. <i>Neuropathology and Applied Neurobiology</i> , 2014, 40, 670-685.	1.8	98
65	Comparison of Blood RNA Extraction Methods Used for Gene Expression Profiling in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2014, 9, e87508.	1.1	25
66	Unravelling the enigma of selective vulnerability in neurodegeneration: motor neurons resistant to degeneration in ALS show distinct gene expression characteristics and decreased susceptibility to excitotoxicity. <i>Acta Neuropathologica</i> , 2013, 125, 95-109.	3.9	133
67	S[+] Apomorphine is a CNS penetrating activator of the Nrf2-ARE pathway with activity in mouse and patient fibroblast models of amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2013, 61, 438-452.	1.3	54
68	Investigating cell death mechanisms in amyotrophic lateral sclerosis using transcriptomics. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 259.	1.8	23
69	Gene expression profiling in human neurodegenerative disease. <i>Nature Reviews Neurology</i> , 2012, 8, 518-530.	4.9	183
70	Isolation of enriched glial populations from post-mortem human CNS material by immuno-laser capture microdissection. <i>Journal of Neuroscience Methods</i> , 2012, 208, 108-113.	1.3	29
71	Microarray analysis of the astrocyte transcriptome in the aging brain: relationship to Alzheimer's pathology and APOE genotype. <i>Neurobiology of Aging</i> , 2011, 32, 1795-1807.	1.5	166
72	Riboflavin Depletion Impairs Cell Proliferation in Adult Human Duodenum: Identification of Potential Effectors. <i>Digestive Diseases and Sciences</i> , 2011, 56, 1007-1019.	1.1	36

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73	Phosphatase and tensin homologue/protein kinase B pathway linked to motor neuron survival in human superoxide dismutase 1-related amyotrophic lateral sclerosis. <i>Brain</i> , 2011, 134, 506-517.	3.7	71
74	Microarray RNA Expression Analysis of Cerebral White Matter Lesions Reveals Changes in Multiple Functional Pathways. <i>Stroke</i> , 2009, 40, 369-375.	1.0	80
75	Impairment of mitochondrial anti-oxidant defence in SOD1-related motor neuron injury and amelioration by ebselen. <i>Brain</i> , 2006, 129, 1693-1709.	3.7	57
76	Mutant SOD1 alters the motor neuronal transcriptome: implications for familial ALS. <i>Brain</i> , 2005, 128, 1686-1706.	3.7	170
77	Quantitative assessment of AMPA receptor mRNA in human spinal motor neurons isolated by laser capture microdissection. <i>NeuroReport</i> , 2002, 13, 1753-1757.	0.6	53
78	Update on the glutamatergic neurotransmitter system and the role of excitotoxicity in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2002, 26, 438-458.	1.0	281
79	Transcriptomic Profiling Reveals Discrete Poststroke Dementia Neuronal and Gliovascular Signatures. <i>Translational Stroke Research</i> , 0, , .	2.3	1