Michael E Buckland

List of Publications by Year
in descending order

96	2,834	218677	189892
papers	citations	26 h-index	50 g-index

102	102	102	5345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glioma microvesicles carry selectively packaged coding and non-coding RNAs which alter gene expression in recipient cells. RNA Biology, 2013, 10, 1333-1344.	3.1	210
2	Exosomal microRNA signatures in multiple sclerosis reflect disease status. Scientific Reports, 2017, 7, 14293.	3.3	196
3	TREM2 activation on microglia promotes myelin debris clearance and remyelination in a model of multiple sclerosis. Acta Neuropathologica, 2020, 140, 513-534.	7.7	186
4	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. Molecular Metabolism, 2016, 5, 699-708.	6.5	154
5	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. Neuro-Oncology, 2018, 20, 873-884.	1.2	119
6	Deep sequencing of circulating exosomal microRNA allows non-invasive glioblastoma diagnosis. Npj Precision Oncology, 2018, 2, 28.	5.4	116
7	A Hybrid Feature Selection With Ensemble Classification for Imbalanced Healthcare Data: A Case Study for Brain Tumor Diagnosis. IEEE Access, 2016, 4, 9145-9154.	4.2	114
8	Epigenome-wide DNA methylation landscape of melanoma progression to brain metastasis reveals aberrations on homeobox D cluster associated with prognosis. Human Molecular Genetics, 2014, 23, 226-238.	2.9	96
9	Mutations of GPR126 Are Responsible for Severe Arthrogryposis Multiplex Congenita. American Journal of Human Genetics, 2015, 96, 955-961.	6.2	92
10	Comprehensive proteome profiling of glioblastoma-derived extracellular vesicles identifies markers for more aggressive disease. Journal of Neuro-Oncology, 2017, 131, 233-244.	2.9	88
11	CD8+ T cell-mediated endotheliopathy is a targetable mechanism of neuro-inflammation in Susac syndrome. Nature Communications, 2019, 10, 5779.	12.8	87
12	Epigenetic profiling for the molecular classification of metastatic brain tumors. Nature Communications, 2018, 9, 4627.	12.8	79
13	Maternal obesity and diabetes induces latent metabolic defects and widespread epigenetic changes in isogenic mice. Epigenetics, 2013, 8, 602-611.	2.7	75
14	DNA methylation and gene deletion analysis of brain metastases in melanoma patients identifies mutually exclusive molecular alterations. Neuro-Oncology, 2014, 16, 1499-1509.	1.2	65
15	Roll over Weismann: extracellular vesicles in the transgenerational transmission of environmental effects. Epigenomics, 2015, 7, 1165-1171.	2.1	65
16	Epigenetic differences between monozygotic twins discordant for amyotrophic lateral sclerosis (ALS) provide clues to disease pathogenesis. PLoS ONE, 2017, 12, e0182638.	2.5	61
17	Oligoastrocytomas: throwing the baby out with the bathwater?. Acta Neuropathologica, 2015, 129, 147-149.	7.7	60
18	Extracellular Vesicles from Neurosurgical Aspirates Identifies Chaperonin Containing TCP1 Subunit 6A as a Potential Glioblastoma Biomarker with Prognostic Significance. Proteomics, 2019, 19, e1800157.	2.2	59

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19	Targeted next generation sequencing reveals unique mutation profile of primary melanocytic tumors of the central nervous system. Journal of Neuro-Oncology, 2016, 127, 435-444.	2.9	55
20	Brain histopathology in three cases of Susac's syndrome: implications for lesion pathogenesis and treatment: FigureÂ1. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 582-584.	1.9	54
21	A randomized phase II trial of veliparib, radiotherapy, and temozolomide in patients with unmethylatedMGMTglioblastoma: the VERTU study. Neuro-Oncology, 2021, 23, 1736-1749.	1.2	44
22	Membrane Proteome Analysis of Glioblastoma Cell Invasion. Journal of Neuropathology and Experimental Neurology, 2015, 74, 425-441.	1.7	41
23	Expanding the spectrum of IDH1 mutations in gliomas. Modern Pathology, 2013, 26, 619-625.	5.5	37
24	Serum Exosome MicroRNAs Predict Multiple Sclerosis Disease Activity after Fingolimod Treatment. Molecular Neurobiology, 2020, 57, 1245-1258.	4.0	35
25	The 2016 revision of the WHO Classification of Central Nervous System Tumours: retrospective application to a cohort of diffuse gliomas. Journal of Neuro-Oncology, 2018, 137, 181-189.	2.9	32
26	Correlation of MicroRNA 132 Up-regulation with an Unfavorable Clinical Outcome in Patients with Primary Glioblastoma Multiforme Treated with Radiotherapy Plus Concomitant and Adjuvant Temozolomide Chemotherapy. Translational Oncology, 2013, 6, 742-IN34.	3.7	31
27	Integrated Genomic Classification of Melanocytic Tumors of the Central Nervous System Using Mutation Analysis, Copy Number Alterations, and DNA Methylation Profiling. Clinical Cancer Research, 2018, 24, 4494-4504.	7.0	28
28	Chronic traumatic encephalopathy in two former Australian National Rugby League players. Acta Neuropathologica Communications, 2019, 7, 97.	5.2	28
29	Deep Sequencing of Small RNAs from Neurosurgical Extracellular Vesicles Substantiates miR-486-3p as a Circulating Biomarker that Distinguishes Glioblastoma from Lower-Grade Astrocytoma Patients. International Journal of Molecular Sciences, 2020, 21, 4954.	4.1	27
30	IDH1 and IDH2 mutations in postoperative diffuse glioma-associated epilepsy. Epilepsy and Behavior, 2018, 78, 30-36.	1.7	26
31	The emerging clinical potential of circulating extracellular vesicles for non-invasive glioma diagnosis and disease monitoring. Brain Tumor Pathology, 2019, 36, 29-39.	1.7	26
32	Analysis of the structural response and failure of containers subjected to internal blast loading. International Journal of Impact Engineering, 2016, 95, 40-53.	5.0	24
33	Activating CYSLTR2 and PLCB4 Mutations in Primary Leptomeningeal Melanocytic Tumors. Journal of Investigative Dermatology, 2017, 137, 2033-2035.	0.7	24
34	CXCR3 plays a critical role for host protection against Salmonellosis. Scientific Reports, 2017, 7, 10181.	3.3	21
35	Concentrations of toxic metals and essential trace elements vary among individual neurons in the human locus ceruleus. PLoS ONE, 2020, 15, e0233300.	2.5	21
36	Distribution of tau hyperphosphorylation in canine dementia resembles early Alzheimerâ€™s disease and other tauopathies. Brain Pathology, 2021, 31, 144-162.	4.1	20

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37	Absence of <scp>TERT</scp> promoter mutations in primary melanocytic tumours of the central nervous system. Neuropathology and Applied Neurobiology, 2014, 40, 794-797.	3.2	19
38	Corticomotor correlates of somatosensory reaction time and variability in individuals with post concussion symptoms. Somatosensory & Motor Research, 2020, 37, 14-21.	0.9	17
39	BalÃ³'s concentric sclerosis and tumefactive demyelination: A shared immunopathogenesis?. Journal of the Neurological Sciences, 2015, 348, 279-281.	0.6	16
40	Chronic traumatic encephalopathy in a former Australian rules football player diagnosed with Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2020, 8, 23.	5.2	16
41	Three-Dimensional Pathology Specimen Modeling Using â€œStructure-From-Motionâ€•Photogrammetry: A Powerful New Tool for Surgical Pathology. Archives of Pathology and Laboratory Medicine, 2018, 142, 1415-1420.	2.5	15
42	Rheumatoid leptomeningitis presenting with an acute neuropsychiatric disorder. Practical Neurology, 2019, 19, 68-71.	1.1	15
43	Spinal Leptomeningeal Lymphoma Presenting as Pseudotumor Syndrome. Journal of Neuro-Ophthalmology, 2013, 33, 13-16.	0.8	14
44	Neurotropic Tâ€cell lymphocytosis: a cutaneous expression of <scp>CLIPPERS</scp>. Journal of Cutaneous Pathology, 2014, 41, 657-662.	1.3	14
45	Evidence of T-cell mediated neuronal injury in stiff-person syndrome with anti-amphiphysin antibodies. Journal of the Neurological Sciences, 2014, 337, 235-237.	0.6	13
46	An unusual association of calcifying pseudoneoplasm of the neuraxis with interhemispheric lipoma and agenesis of corpus callosum. Pathology, 2012, 44, 657-659.	0.6	12
47	Chronic traumatic encephalopathy in Australia: the first three years of the Australian Sports Brain Bank. Medical Journal of Australia, 2022, 216, 530-531.	1.7	12
48	A randomized phase II trial of veliparib (V), radiotherapy (RT) and temozolomide (TMZ) in patients (pts) with unmethylated MGMT (uMGMT) glioblastoma (GBM).. Journal of Clinical Oncology, 2019, 37, 2011-2011.	1.6	11
49	Conventional MRI features can predict the molecular subtype of adult grade 2â€“3 intracranial diffuse gliomas. Neuroradiology, 2022, 64, 2295-2305.	2.2	11
50	Growth hormone secreting pituitary adenoma with admixed gangliocytoma and ganglioglioma. Journal of Clinical Neuroscience, 2016, 31, 202-204.	1.5	10
51	Glioblastoma with primitive neuroectodermal tumour-like components. Pathology, 2012, 44, 270-273.	0.6	9
52	Diagnosis of oligodendroglioma: Molecular and classical histological assessment in the twentyâ€first century. Asia-Pacific Journal of Clinical Oncology, 2012, 8, 213-216.	1.1	9
53	Nutrition has a pervasive impact on cardiac microRNA expression in isogenic mice. Epigenetics, 2016, 11, 475-481.	2.7	9
54	Aberrant Splicing of SDHC in Families With Unexplained Succinate Dehydrogenase-Deficient Paragangliomas. Journal of the Endocrine Society, 2020, 4, bvaa071.	0.2	9

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55	Persistence of a T Cell Infiltrate in Human Ganglia Years After Herpes Zoster and During Post-herpetic Neuralgia. Frontiers in Microbiology, 2019, 10, 2117.	3.5	8
56	ALK-Rearranged Non-Small Cell Lung Cancer in 2020: Real-World Triumphs in an Era of Multigeneration ALK-Inhibitor Sequencing Informed by Drug Resistance Profiling. Oncologist, 2020, 25, 641-649.	3.7	8
57	Microglioma in a child â€“ a further case in support of the microglioma entity and distinction from histiocytic sarcoma. , 2016, 35, 302-313.		8
58	Chronic Traumatic Encephalopathy as a Preventable Environmental Disease. Frontiers in Neurology, 0, 13, .	2.4	8
59	Chronic Neurophysiological Effects of Repeated Head Trauma in Retired Australian Male Sport Athletes. Frontiers in Neurology, 2021, 12, 633320.	2.4	7
60	PathoFusion: An Open-Source AI Framework for Recognition of Pathomorphological Features and Mapping of Immunohistochemical Data. Cancers, 2021, 13, 617.	3.7	6
61	Promoter Methylation Analysis of IDH Genes in Human Gliomas. Frontiers in Oncology, 2012, 2, 193.	2.8	5
62	Fluorescent In Situ Hybridization in Surgical Pathology Practice. Advances in Anatomic Pathology, 2018, 25, 223-237.	4.3	5
63	MK2 Inhibition Induces p53-Dependent Senescence in Glioblastoma Cells. Cancers, 2020, 12, 654.	3.7	5
64	Revisiting cerebral thromboangiitis obliterans. Journal of the Neurological Sciences, 2012, 317, 141-145.	0.6	4
65	Adult-onset leukoencephalopathy with neuroaxonal spheroids and pigmented glia mimicking systemic lupus erythematosus cerebral vasculitis. Journal of the Neurological Sciences, 2018, 395, 25-28.	0.6	4
66	The 2016 revision of the WHO Classification of Central Nervous System Tumours: retrospective application to a cohort of diffuse gliomas. , 2018, 137, 181.		4
67	Progressive Neuropsychiatric Symptoms and Motor Impairment. JAMA Neurology, 2014, 71, 794.	9.0	3
68	VERTU: Veliparib, radiotherapy (RT) and temozolomide (TMZ) trial in unmethylated MGMT glioblastoma (GBM).. Journal of Clinical Oncology, 2016, 34, TPS2081-TPS2081.	1.6	3
69	Hyperekplexia as the presenting symptom of Creutzfeldt-Jakob disease. Neurology: Clinical Practice, 2015, 5, 498-501.	1.6	2
70	Expanding the range of immunopathology in neuromyelitis optica spectrum disorder. BMJ Case Reports, 2016, 2016, bcr2016215981.	0.5	2
71	Driving innovation through collaboration: development of clinical annotation datasets for brain cancer biobanking. Neuro-Oncology Practice, 2020, 7, 31-37.	1.6	2
72	Next generation sequencing impacts the classification and management of primary brain tumours. Pathology, 2021, 53, 780-782.	0.6	2

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73	Establishing a Reference Range for Oligondendroglioma Classification using Higuchi Dimension Analysis. , 2012, , .		2
74	LUMOS - Low and Intermediate Grade Glioma Umbrella Study of Molecular Guided TherapieS at relapse: Protocol for a pilot study. BMJ Open, 2021, 11, e054075.	1.9	2
75	Response regarding CLIPPERS. Journal of Cutaneous Pathology, 2014, 41, 761-761.	1.3	1
76	ACTR-24. A RANDOMIZED PHASE II TRIAL OF VELIPARIB (V), RADIOTHERAPY (RT) AND TEMOZOLOMIDE (TMZ) IN PATIENTS (PTS) WITH UNMETHYLATED MGMT (uMGMT) GLIOBLASTOMA (GBM): THE VERTU STUDY. Neuro-Oncology, 2019, 21, vi18-vi18.	1.2	1
77	A randomized phase 2 trial of veliparib (V), radiotherapy (RT) and temozolomide (TMZ) in patients (pts) with unmethylated MGMT (uMGMT) glioblastoma (GBM): Feasibility and safety outcomes (the VERTU) Tj ETQq1 1 0.784314 rgBT /Over	1.2	1
78	An update on the epidemiology and key issues associated with the diagnosis and management of Creutzfeldtâ€“Jakob disease cases in NSW. Public Health Research and Practice, 2014, 25, .	1.5	1
79	Creutzfeldt-Jakob Disease in South West Sydney 2014â€“2020: An Unusually High Incidence of a Rare Disease. Neuroepidemiology, 2022, 56, 59-65.	2.3	1
80	A practical approach to the diagnosis of brain tumours. Pathology, 2013, 45, S8.	0.6	0
81	An unusual autopsy case of progressive muscular atrophy with widespread fus positive inclusions. Pathology, 2013, 45, S78.	0.6	0
82	Neuropathology - tumour and non-tumour for adults and paediatrics. Pathology, 2014, 46, S8.	0.6	0
83	40.. Journal of Clinical Neuroscience, 2014, 21, 2045-2046.	1.5	0
84	39.. Journal of Clinical Neuroscience, 2014, 21, 2045.	1.5	0
85	Angiocentric glioma: a rare low grade glioma with distinctive histological features. Pathology, 2014, 46, S72.	0.6	0
86	What's new with the revised who? Updates to the classification of tumours of the central nervous system. Pathology, 2017, 49, S8.	0.6	0
87	IMMU-50. THE IMMUNE LANDSCAPE OF BLOOD DENDRITIC CELLS IN GLIOBLASTOMA MULTIFORME: IMPLICATIONS FOR DC VACCINATION COMBINED WITH CHECKPOINT INHIBITION. Neuro-Oncology, 2018, 20, vi132-vi132.	1.2	0
88	043â€…Rheumatoid leptomeningitis: an acute presentation of neuropsychiatric disturbance. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A18.1-A18.	1.9	0
89	047â€…Creutzfeld-jakob disease with prolonged disease course in two younger patients. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A20.1-A20.	1.9	0
90	EXTH-46. A COMBINATORY IMMUNOTHERAPY AGAINST BRAIN TUMOUR: BLOOD DENDRITIC CELL BASED VACCINE THERAPY WITH CHECKPOINT INHIBITOR(S). Neuro-Oncology, 2018, 20, vi94-vi95.	1.2	0

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91	038â€…Adult-onset leukoencephalopathy with neuroaxonal spheroids and pigmented glia mimicking systemic lupus erythematosus cerebral vasculitis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A16.1-A16.	1.9	0
92	082â€…Fulminant ADEM mimicking a glial tumour. , 2021, , .		0
93	A Diagnostic Dilemma of White Matter Lesions and Cerebral Oedema without Identifiable Causeâ€”A Neurological Conundrum. Brain Sciences, 2021, 11, 1238.	2.3	0
94	INNV-08. LOW AND INTERMEDIATE GRADE GLIOMA UMBRELLA STUDY OF MOLECULAR GUIDED THERAPIES (LUMOS) STUDY. Neuro-Oncology, 2021, 23, vi106-vi107.	1.2	0
95	PATH-18. A MULTI-CENTER CASE SERIES OF ADULT K27M MUTATED DIFFUSE MIDLINE GLIOMAS REVEALING A POPULATION UNIQUE FROM PAEDIATRIC CASES. Neuro-Oncology, 2020, 22, ii167-ii168.	1.2	0
96	Anaplasia and age of onset in desmoplastic infantile ganglioglioma: Case report and review of the literature. Pediatric Blood and Cancer, 2023, 70, .	1.5	0