Zane Jaunmuktane

List of Publications by Year
in descending order

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122 papers	7,292 citations	101543 36 h-index	64796 79 g-index
134 all docs	134 docs citations	134 times ranked	11307 citing authors

#	Article	IF	Citations
1	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	27.8	1,872
2	Amyloid Î² oligomers constrict human capillaries in Alzheimerâ€™s disease via signaling to pericytes. Science, 2019, 365, .	12.6	436
3	Evidence for human transmission of amyloid-Î² pathology and cerebral amyloid angiopathy. Nature, 2015, 525, 247-250.	27.8	418
4	Biallelic expansion of an intronic repeat in RFC1 is a common cause of late-onset ataxia. Nature Genetics, 2019, 51, 649-658.	21.4	338
5	Sarcoma classification by DNA methylation profiling. Nature Communications, 2021, 12, 498.	12.8	237
6	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. Nature Genetics, 2021, 53, 294-303.	21.4	198
7	Anaplastic astrocytoma with piloid features, a novel molecular class of IDH wildtype glioma with recurrent MAPK pathway, CDKN2A/B and ATRX alterations. Acta Neuropathologica, 2018, 136, 273-291.	7.7	190
8	Genetic and phenotypic characterization of complex hereditary spastic paraplegia. Brain, 2016, 139, 1904-1918.	7.6	170
9	The Boston criteria version 2.0 for cerebral amyloid angiopathy: a multicentre, retrospective, MRIâ€“neuropathology diagnostic accuracy study. Lancet Neurology, The, 2022, 21, 714-725.	10.2	168
10	White matter perivascular spaces. Neurology, 2014, 82, 57-62.	1.1	151
11	Cerebellar ataxia, neuropathy, vestibular areflexia syndrome due to RFC1 repeat expansion. Brain, 2020, 143, 480-490.	7.6	140
12	Variant Creutzfeldtâ€“Jakob Disease in a Patient with Heterozygosity at PRNP Codon 129. New England Journal of Medicine, 2017, 376, 292-294.	27.0	127
13	Molecularly defined diffuse leptomeningeal glioneuronal tumor (DLGNT) comprises two subgroups with distinct clinical and genetic features. Acta Neuropathologica, 2018, 136, 239-253.	7.7	118
14	Methylation array profiling of adult brain tumours: diagnostic outcomes in a large, single centre. Acta Neuropathologica Communications, 2019, 7, 24.	5.2	101
15	Diagnosis Across the Spectrum of Progressive Supranuclear Palsy and Corticobasal Syndrome. JAMA Neurology, 2020, 77, 377.	9.0	94
16	Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. Journal of Clinical Oncology, 2021, 39, 3839-3852.	1.6	93
17	Extended phenotypic spectrum of KIF5A mutations. Neurology, 2014, 83, 612-619.	1.1	92
18	Iatrogenic CJD due to pituitary-derived growth hormone with genetically determined incubation times of up to 40 years. Brain, 2015, 138, 3386-3399.	7.6	92

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19	Microvascular injury and hypoxic damage: emerging neuropathological signatures in COVID-19. Acta Neuropathologica, 2020, 140, 397-400.	7.7	85
20	Isomorphic diffuse glioma is a morphologically and molecularly distinct tumour entity with recurrent gene fusions of MYBL1 or MYB and a benign disease course. Acta Neuropathologica, 2020, 139, 193-209.	7.7	83
21	Evidence of amyloid-Î² cerebral amyloid angiopathy transmission through neurosurgery. Acta Neuropathologica, 2018, 135, 671-679.	7.7	80
22	Truncating and Missense Mutations in IGHMBP2 Cause Charcot-Marie Tooth Disease Type 2. American Journal of Human Genetics, 2014, 95, 590-601.	6.2	75
23	Invited Review: The role of prionâ€like mechanisms in neurodegenerative diseases. Neuropathology and Applied Neurobiology, 2020, 46, 522-545.	3.2	72
24	Clinical, pathological and functional characterization of riboflavin-responsive neuropathy. Brain, 2017, 140, 2820-2837.	7.6	64
25	World Health Organization Grade II/III Glioma Molecular Status: Prediction by MRI Morphologic Features and Apparent Diffusion Coefficient. Radiology, 2020, 296, 111-121.	7.3	62
26	Genetic determinants of survival in progressive supranuclear palsy: a genome-wide association study. Lancet Neurology, The, 2021, 20, 107-116.	10.2	62
27	Hereditary leukoencephalopathy with axonal spheroids: a spectrum of phenotypes from CNS vasculitis to parkinsonism in an adult onset leukodystrophy series. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 512-519.	1.9	58
28	Prion disease: experimental models and reality. Acta Neuropathologica, 2017, 133, 197-222.	7.7	54
29	Early onset cerebral amyloid angiopathy following childhood exposure to cadaveric dura. Annals of Neurology, 2019, 85, 284-290.	5.3	54
30	Inflammatory demyelination without astrocyte loss in MOG antibodyâ€“positive NMOSD. Neurology, 2016, 87, 229-231.	1.1	47
31	Bi-allelic JAM2 Variants Lead to Early-Onset Recessive Primary Familial Brain Calcification. American Journal of Human Genetics, 2020, 106, 412-421.	6.2	47
32	Potential human transmission of amyloid Î² pathology: surveillance and risks. Lancet Neurology, The, 2020, 19, 872-878.	10.2	46
33	Mutations in noncoding regions of GJB1 are a major cause of X-linked CMT. Neurology, 2017, 88, 1445-1453.	1.1	45
34	Identification of novel risk loci and causal insights for sporadic Creutzfeldt-Jakob disease: a genome-wide association study. Lancet Neurology, The, 2020, 19, 840-848.	10.2	42
35	Clinical Trial Simulations Based on Genetic Stratification and the Natural History of a Functional Outcome Measure in Creutzfeldt-Jakob Disease. JAMA Neurology, 2016, 73, 447.	9.0	41
36	Active and Silent Thyroid-Stimulating Hormoneâ^'Expressing Pituitary Adenomas: Presenting Symptoms, Treatment, Outcomes, and Recurrence. World Neurosurgery, 2014, 82, 1224-1231.	1.3	40

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37	Rapidly progressive asymmetrical weakness in Charcotâ€“Marieâ€“Tooth disease type 4J resembles chronic inflammatory demyelinating polyneuropathy. Neuromuscular Disorders, 2013, 23, 399-403.	0.6	38
38	Neuronal intranuclear inclusion disease is genetically heterogeneous. Annals of Clinical and Translational Neurology, 2020, 7, 1716-1725.	3.7	38
39	Prion protein monoclonal antibody (PRN100) therapy for Creutzfeldtâ€“Jakob disease: evaluation of a first-in-human treatment programme. Lancet Neurology, The, 2022, 21, 342-354.	10.2	38
40	Tumors diagnosed as cerebellar glioblastoma comprise distinct molecular entities. Acta Neuropathologica Communications, 2019, 7, 163.	5.2	37
41	The white matter is a pro-differentiative niche for glioblastoma. Nature Communications, 2021, 12, 2184.	12.8	37
42	Ultrastructural investigation of epithelial damage in asthmatic and non-asthmatic nasal polyps. Respiratory Medicine, 2006, 100, 2018-2028.	2.9	36
43	A Clinical, Neuropathological and Genetic Study of Homozygous A467T POLG-Related Mitochondrial Disease. PLoS ONE, 2016, 11, e0145500.	2.5	36
44	Novel C12orf65 mutations in patients with axonal neuropathy and optic atrophy. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 486-492.	1.9	35
45	The Use of 68Ga DOTATATE PET/CT for Diagnostic Assessment and Monitoring of 177Lu DOTATATE Therapy in Pituitary Carcinoma. Clinical Nuclear Medicine, 2015, 40, 47-49.	1.3	35
46	Investigation of somatic CNVs in brains of synucleinopathy cases using targeted SNCA analysis and single cell sequencing. Acta Neuropathologica Communications, 2019, 7, 219.	5.2	35
47	Genetic and clinical characteristics ofNEFL-related Charcot-Marie-Tooth disease. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 575-585.	1.9	34
48	Dissecting the Phenotype and Genotype of <scp>PLA2G6</scp>â€Related Parkinsonism. Movement Disorders, 2022, 37, 148-161.	3.9	32
49	Hippocampal Î±-synuclein pathology correlates with memory impairment in multiple system atrophy. Brain, 2020, 143, 1798-1810.	7.6	31
50	Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. Acta Neuropathologica, 2021, 141, 281-290.	7.7	31
51	Filtration-histogram based magnetic resonance texture analysis (MRTA) for glioma IDH and 1p19q genotyping. European Journal of Radiology, 2019, 113, 116-123.	2.6	30
52	Clinical characteristics, risk factors, and outcomes of POEMS syndrome. Neurology, 2020, 95, e268-e279.	1.1	28
53	Transthyretin V122I amyloidosis with clinical and histological evidence of amyloid neuropathy and myopathy. Neuromuscular Disorders, 2015, 25, 511-515.	0.6	26
54	Disease-related patterns of in vivo pathology in Corticobasal syndrome. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2413-2425.	6.4	26

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55	Iatrogenic cerebral amyloid angiopathy: an emerging clinical phenomenon. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 693-700.	1.9	26
56	Oculoleptomeningeal Amyloidosis associated with transthyretin Leu12Pro in an African patient. Journal of Neurology, 2015, 262, 228-234.	3.6	24
57	Neurological update: gliomas and other primary brain tumours in adults. Journal of Neurology, 2018, 265, 717-727.	3.6	24
58	Identification of multiple system atrophy mimicking Parkinsonâ€™s disease or progressive supranuclear palsy. Brain, 2021, 144, 1138-1151.	7.6	24
59	Low Prevalence of NOTCH2NLC GGC Repeat Expansion in White Patients with Movement Disorders. Movement Disorders, 2021, 36, 251-255.	3.9	23
60	Movement disorders in genetically confirmed mitochondrial disease and the putative role of the cerebellum. Movement Disorders, 2018, 33, 146-155.	3.9	21
61	A multimodal computational pipeline for 3D histology of the human brain. Scientific Reports, 2020, 10, 13839.	3.3	21
62	Renal small cell oncocytoma with pseudorosettes. Human Pathology, 2011, 42, 1751-1760.	2.0	20
63	Plurihormonal pituitary adenoma with concomitant adrenocorticotropic hormone (ACTH) and growth hormone (GH) secretion: a report of two cases and review of the literature. Acta Neurochirurgica, 2014, 156, 141-146.	1.7	20
64	Peripheral nerve neurolymphomatosis: Clinical features, treatment, and outcomes. Muscle and Nerve, 2020, 62, 617-625.	2.2	19
65	A novel HTRA1 exon 2 mutation causes loss of protease activity in a Pakistani CARASIL patient. Journal of Neurology, 2015, 262, 1369-1372.	3.6	17
66	Diagnosis of amyloid neuropathy. Practical Neurology, 2019, 19, 250-258.	1.1	17
67	Alzheimerâ€™s disease neuropathological change three decades after iatrogenic amyloid-Î²2 transmission. Acta Neuropathologica, 2021, 142, 211-215.	7.7	17
68	Early neurophysiological biomarkers and spinal cord pathology in inherited prion disease. Brain, 2019, 142, 760-770.	7.6	16
69	Multisystem screening reveals <scp>SARSâ€CoV</scp>â€2 in neurons of the myenteric plexus and in megakaryocytes. Journal of Pathology, 2022, 257, 198-217.	4.5	16
70	Rathkeâ€™s cleft cysts following transsphenoidal surgery: long-term outcomes and development of an optimal follow-up strategy. Acta Neurochirurgica, 2020, 162, 853-861.	1.7	15
71	Fulminant corticobasal degeneration: a distinct variant with predominant neuronal tau aggregates. Acta Neuropathologica, 2020, 139, 717-734.	7.7	15
72	TDP43 pathology in the brain, spinal cord, and dorsal root ganglia of a patient with FOSMN. Neurology, 2019, 92, e951-e956.	1.1	14

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73	Optical properties of human brain and tumour tissue: An ex vivo study spanning the visible range to beyond the second nearâ€infrared window. Journal of Biophotonics, 2022, 15, .	2.3	14
74	Brain region-specific susceptibility of Lewy body pathology in synucleinopathies is governed by Î±-synuclein conformations. Acta Neuropathologica, 2022, 143, 453-469.	7.7	14
75	An unusual anatomic and geographic location of primary germinoma of the fourth ventricle. Journal of Clinical Neuroscience, 2013, 20, 1620-1622.	1.5	13
76	IGHMBP2 mutation associated with organ-specific autonomic dysfunction. Neuromuscular Disorders, 2018, 28, 1012-1015.	0.6	13
77	Some New and Unexpected Tauopathies in Movement Disorders. Movement Disorders Clinical Practice, 2020, 7, 616-626.	1.5	13
78	Autosomal dominant optic atrophy and cataract â€œplusâ€•phenotype including axonal neuropathy. Neurology: Genetics, 2019, 5, e322.	1.9	12
79	Imaging features of spinal tanycytic ependymoma. Neuroradiology Journal, 2016, 29, 61-65.	1.2	10
80	Assembly of Î±-synuclein and neurodegeneration in the central nervous system of heterozygousÂM83 mice following the peripheral administration of Î±-synuclein seeds. Acta Neuropathologica Communications, 2021, 9, 189.	5.2	10
81	Evaluating the causality of novel sequence variants in the prion protein gene by example. Neurobiology of Aging, 2018, 71, 265.e1-265.e7.	3.1	9
82	Redistribution of <scp>EZH</scp> 2 promotes malignant phenotypes by rewiring developmental programmes. EMBO Reports, 2019, 20, e48155.	4.5	9
83	Tumors of the Neurohypophysis: One Unit's Experience and Literature Review. World Neurosurgery, 2020, 134, e968-e978.	1.3	9
84	Seizure outcomes and survival in adult low-grade glioma over 11 years: living longer and better. Neuro-Oncology Practice, 2020, 7, 196-201.	1.6	9
85	Regional and Volumetric Parameters for Diffusion-Weighted WHO Grade II and III Glioma Genotyping: A Method Comparison. American Journal of Neuroradiology, 2021, 42, 441-447.	2.4	9
86	Caught between a disc and a tumour: lumbar radiculopathy secondary to disc herniation and filum paraganglioma. Acta Neurochirurgica, 2013, 155, 315-317.	1.7	7
87	On the journey to uncover the causes of selective cellular and regional vulnerability in neurodegeneration. Acta Neuropathologica, 2019, 138, 677-680.	7.7	7
88	Transmissible human proteopathies: an expanding field. Diagnostic Histopathology, 2019, 25, 16-22.	0.4	7
89	A rare presentation of atypical demyelination: tumefactive multiple sclerosis causing Gerstmannâ€™s syndrome. BMC Neurology, 2014, 14, 68.	1.8	6
90	Deletion of P2 promoter of GJB1 gene a cause of Charcot-Marie-Tooth disease. Neuromuscular Disorders, 2017, 27, 766-770.	0.6	6

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91	Corticospinal tract degeneration and temporal lobe atrophy in frontotemporal lobar degeneration TDPâ€43 type C pathology. Neuropathology and Applied Neurobiology, 2020, 46, 296-299.	3.2	6
92	Leprosy in a patient infected with HIV. Practical Neurology, 2017, 17, 135-139.	1.1	4
93	<scp>IDH</scp> mutant astrocytoma: biomarkers for prognostic stratification and the next frontiers. Neuropathology and Applied Neurobiology, 2019, 45, 91-94.	3.2	4
94	Genomic Prognosticators and Extent of Resection in Molecularly Subtyped World Health Organization Grade II and III Gliomasâ€“A Single-Institution, Nine-Year Data. World Neurosurgery, 2021, 151, e217-e233.	1.3	4
95	IgG4-related hypophysitis: a retrospective cohort study. Acta Neurochirurgica, 2022, 164, 2095-2103.	1.7	4
96	Supratentorial ependymoma presenting as a cortical cyst with a mural nodule in an adult. Journal of Surgical Case Reports, 2015, 2015, rju124-rju124.	0.4	3
97	PERIPHERAL NERVE BING-NEEL SYNDROME. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.59-e4.	1.9	3
98	Collinge et al. reply. Nature, 2016, 535, E2-E3.	27.8	3
99	Hierarchical Joint Registration of Tissue Blocks With Soft Shape Constraints For Large-Scale Histology of The Human Brain. , 2019, , .		3
100	Toxoplasmosis initially presenting as neurological sequelae of chimeric antigen receptor T-cell therapy. Lancet Infectious Diseases, The, 2019, 19, 788.	9.1	3
101	Diagnostic delay in a case of T-cell neurolymphomatosis. BMJ Case Reports, 2019, 12, e232538.	0.5	3
102	Two pathologically confirmed cases of novel mutations in the MAPT gene causing frontotemporal dementia. Neurobiology of Aging, 2020, 87, 141.e15-141.e20.	3.1	3
103	A Clinicopathologic Study of Movement Disorders in Frontotemporal Lobar Degeneration. Movement Disorders, 2021, 36, 632-641.	3.9	3
104	<scp>CAG</scp> Somatic Instability in a Huntington Disease Expansion Carrier Presenting with a Progressive Supranuclear Palsyâ€like Phenotype. Movement Disorders, 2022, 37, 1555-1557.	3.9	3
105	Collinge et al. reply. Nature, 2016, 537, E9-E9.	27.8	1
106	A diagnostic conundrum. Practical Neurology, 2018, 18, 137-142.	1.1	1
107	CARDIAC AND EXTRACARDIAC AMYLOIDOSIS IN V122I ATTR. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, e4.82-e4.	1.9	0
108	OP11ESTABLISHING A DIAGNOSTIC PIPELINE FOR METHYLOME ANALYSIS OF PAEDIATRIC AND ADULT BRAIN TUMOURS IN THE UK USING THE HEIDELBERG CLASSIFIER. Neuro-Oncology, 2015, 17, viii18.1-viii18.	1.2	0

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109	THE NEUROPATHY SPECTRUM IN WALDENSTRÃ¶M'S MACROGLOBULINAEMIA. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, e4.60-e4.	1.9	0
110	Mitochondrial dysfunction in a treatable childhood neuronopathy. Neuromuscular Disorders, 2017, 27, S24-S25.	0.6	0
111	Rare as Rocking Horse Droppings. , 2017, , 7-10.		0
112	A Medical Student with Episodes of Weakness and Sensory Disturbance. , 2017, , 117-121.		0
113	PO145â€…Strange rheuminations. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, A50.4-A51.	1.9	0
114	THUR 220â€…To c or not to c. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A32.1-A32.	1.9	0
115	The clinical spectrum of TSH-expressing pituitary adenomas. Experimental and Clinical Endocrinology and Diabetes, 2013, 121, .	1.2	0
116	Leg Swelling and Painful Feet in a Business Man. , 2017, , 31-36.		0
117	Antibody-Mediated Muscle Disease?. , 2017, , 203-206.		0
118	Unsteadiness â€“ Neither Cerebellar Nor Vestibular. , 2017, , 53-58.		0
119	Ex vivo assessment of the optical characteristics of human brain and tumour tissue. , 2020, , .		0
120	Tumefactive neuroâ€BehÃ§et disease in a Ghanaian man. Internal Medicine Journal, 2022, 52, 152-154.	0.8	0
121	Diverse imaging features of adolescent glioblastoma. BJR|case Reports, 2022, 8, .	0.2	0
122	Somatic copy number variant mutations in alpha-synuclein and genome-wide in brains of synucleinopathy cases. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, A4.2-A4.	1.9	0