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List of Publications by Year
in descending order

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92 papers	9,808 citations	46984 47 h-index	53190 85 g-index
94 all docs	94 docs citations	94 times ranked	10970 citing authors

#	Article	IF	Citations
1	PathoFusion: An Open-Source AI Framework for Recognition of Pathomorphological Features and Mapping of Immunohistochemical Data. Cancers, 2021, 13, 617.	1.7	6
2	Ground state depletion microscopy as a tool for studying microgliaâ€“synapse interactions. Journal of Neuroscience Research, 2021, 99, 1515-1532.	1.3	6
3	Synapses, Microglia, and Lipids in Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2021, 15, 778822.	1.4	10
4	Cytokine Signalling at the Microglial Penta-Partite Synapse. International Journal of Molecular Sciences, 2021, 22, 13186.	1.8	13
5	Driving innovation through collaboration: development of clinical annotation datasets for brain cancer biobanking. Neuro-Oncology Practice, 2020, 7, 31-37.	1.0	2
6	Selective, high-contrast detection of syngeneic glioblastoma in vivo. Scientific Reports, 2020, 10, 9968.	1.6	9
7	Depthwise Multiception Convolution for Reducing Network Parameters without Sacrificing Accuracy. , 2020, , .		2
8	A Bifocal Classification and Fusion Network for Multimodal Image Analysis in Histopathology. , 2020, , .		3
9	Prof. Dr. med. Dr. med. h.c. Georg W. Kreutzberg. Neuroforum, 2020, 26, 55-56.	0.2	0
10	Glial Cells: Microglia. , 2019, , .		0
11	Hippocampal CA2 Lewy pathology is associated with cholinergic degeneration in Parkinsonâ€™s disease with cognitive decline. Acta Neuropathologica Communications, 2019, 7, 61.	2.4	47
12	The emerging clinical potential of circulating extracellular vesicles for non-invasive glioma diagnosis and disease monitoring. Brain Tumor Pathology, 2019, 36, 29-39.	1.1	26
13	Calciumâ€“axonemal microtubuli interactions underlie mechanism(s) of primary cilia morphological changes. Journal of Biological Physics, 2018, 44, 53-80.	0.7	3
14	Nucleo-cytoplasmic transport of TDP-43 studied in real time: impaired microglia function leads to axonal spreading of TDP-43 in degenerating motor neurons. Acta Neuropathologica, 2018, 136, 445-459.	3.9	66
15	miRâ€124 Contributes to the functional maturity of microglia. Developmental Neurobiology, 2016, 76, 507-518.	1.5	36
16	Neuropathological assessments of the pathology in frontotemporal lobar degeneration with TDP43-positive inclusions: an inter-laboratory study by the BrainNet Europe consortium. Journal of Neural Transmission, 2015, 122, 957-972.	1.4	25
17	Positron emission tomography and functional characterization of a complete PBR/TSPO knockout. Nature Communications, 2014, 5, 5452.	5.8	199
18	Neuroinflammation: No Rose by Any Other Name. Brain Pathology, 2014, 24, 620-622.	2.1	26

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19	Microglial proliferation in the brain of chronic alcoholics with hepatic encephalopathy. Metabolic Brain Disease, 2014, 29, 1027-1039.	1.4	52
20	Emergent Properties of Microglia. Brain Pathology, 2014, 24, 665-670.	2.1	19
21	â€˜Neuroinflammationâ€™ differs categorically from inflammation: transcriptomes of Alzheimer's disease, Parkinson's disease, schizophrenia and inflammatory diseases compared. Neurogenetics, 2014, 15, 201-212.	0.7	55
22	Development of ramified microglia from early macrophages in the zebrafish optic tectum. Developmental Neurobiology, 2013, 73, 60-71.	1.5	101
23	Courage, luck and patience: in celebration of the 80th birthday of Georg W. Kreutzberg. Acta Neuropathologica, 2012, 124, 593-598.	3.9	1
24	The need to unify neuropathological assessments of vascular alterations in the ageing brain. Experimental Gerontology, 2012, 47, 825-833.	1.2	57
25	The molecular profile of microglia under the influence of glioma. Neuro-Oncology, 2012, 14, 958-978.	0.6	295
26	Multiple mechanisms of microglia: A gatekeeper's contribution to pain states. Experimental Neurology, 2012, 234, 255-261.	2.0	39
27	Role of microglia in CNS inflammation. FEBS Letters, 2011, 585, 3798-3805.	1.3	319
28	Up-regulation of metallothionein gene expression in Parkinsonian astrocytes. Neurogenetics, 2011, 12, 295-305.	0.7	56
29	Bone marrow-derived microglia in pilocytic astrocytoma. Frontiers in Bioscience - Elite, 2011, E3, 371-379.	0.9	4
30	Microglia: biology and pathology. Acta Neuropathologica, 2010, 119, 89-105.	3.9	625
31	PGC-1 Î±, A Potential Therapeutic Target for Early Intervention in Parkinsonâ€™s Disease. Science Translational Medicine, 2010, 2, 52ra73.	5.8	691
32	Changing Face of Microglia. Science, 2010, 330, 783-788.	6.0	517
33	Biomarkers for Parkinson's disease. Experimental Neurology, 2009, 216, 249-253.	2.0	22
34	Towards a pathway definition of Parkinsonâ€™s disease: a complex disorder with links to cancer, diabetes and inflammation. Neurogenetics, 2008, 9, 1-13.	0.7	92
35	Neuronal pentraxin II is highly upregulated in Parkinsonâ€™s disease and a novel component of Lewy bodies. Acta Neuropathologica, 2008, 115, 471-478.	3.9	70
36	Staging of Neurofibrillary Pathology in Alzheimer's Disease: A Study of the BrainNet Europe Consortium. Brain Pathology, 2008, 18, 484-496.	2.1	361

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37	Striatal Î²-Amyloid Deposition in Parkinson Disease With Dementia. Journal of Neuropathology and Experimental Neurology, 2008, 67, 155-161.	0.9	121
38	Response from Authors. Journal of Neuropathology and Experimental Neurology, 2008, 67, 484.2-485.	0.9	0
39	Monocyte-Astrocyte Networks Regulate Matrix Metalloproteinase Gene Expression and Secretion in Central Nervous System Tuberculosis In Vitro and In Vivo. Journal of Immunology, 2007, 178, 1199-1207.	0.4	45
40	IFN' synergizes with ILâ€1Î± to upâ€regulate MMPâ€9 secretion in a cellular model of central nervous system tuberculosis. FASEB Journal, 2007, 21, 356-365.	0.2	44
41	MICROGLIA IN GEMISTOCYTIC ASTROCYTOMAS. Neurosurgery, 2007, 60, 159-166.	0.6	23
42	The microglial gene regulatory network activated by interferon-gamma. Journal of Neuroimmunology, 2007, 183, 1-6.	1.1	29
43	Interlaboratory Comparison of Assessments of Alzheimer Disease-Related Lesions: A Study of the BrainNet Europe Consortium. Journal of Neuropathology and Experimental Neurology, 2006, 65, 740-757.	0.9	95
44	Glial degeneration and reactive gliosis in alpha-synucleinopathies: the emerging concept of primary gliodegeneration. Acta Neuropathologica, 2006, 112, 517-530.	3.9	115
45	In vitro proliferation of axotomized rat facial nucleus-derived activated microglia in an autocrine fashion. Journal of Neuroscience Research, 2006, 84, 348-359.	1.3	13
46	Microglial inflammation in the parkinsonian substantia nigra: relationship to alpha-synuclein deposition. Journal of Neuroinflammation, 2005, 2, 14.	3.1	324
47	A Free Community Approach to Classifying Disease. PLoS Medicine, 2004, 1, e16.	3.9	2
48	Mitochondria in activated microglia in vitro. Journal of Neurocytology, 2004, 33, 535-541.	1.6	58
49	The facial nerve axotomy model. Brain Research Reviews, 2004, 44, 154-178.	9.1	278
50	Dementia with Lewy bodies: disease concept and genetics. Neurogenetics, 2003, 4, 157-162.	0.7	10
51	Global democratic consensus on neuropathological disease criteria. Lancet Neurology, The, 2002, 1, 340.	4.9	3
52	Microglia in brain tumors. Glia, 2002, 40, 252-259.	2.5	343
53	Mechanisms of Cell Death in Neurodegenerative Diseases: Fashion, Fiction, and Facts. Brain Pathology, 2002, 12, 385-390.	2.1	112
54	Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. Neurosurgery, 2001, 48, 187-194.	0.6	27

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55	Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. Neurosurgery, 2001, 48, 187-194.	0.6	24
56	Transformation of donor-derived bone marrow precursors into host microglia during autoimmune CNS inflammation and during the retrograde response to axotomy. Journal of Neuroscience Research, 2001, 66, 74-82.	1.3	139
57	Neuronal MCP-1 Expression in Response to Remote Nerve Injury. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 69-76.	2.4	123
58	What does apoptosis have to do with Parkinson's disease?. Movement Disorders, 1999, 14, 384-385.	2.2	7
59	Microglia only weakly present glioma antigen to cytotoxic T cells. International Journal of Developmental Neuroscience, 1999, 17, 547-556.	0.7	64
60	The microglia/macrophage response in the neonatal rat facial nucleus following axotomy. Brain Research, 1998, 813, 241-253.	1.1	153
61	Novel mutations of mitochondrial complex I in pathologically proven Parkinson disease. Neurogenetics, 1998, 1, 197-204.	0.7	76
62	Recent developments in the molecular genetics of mitochondrial disorders. Journal of the Neurological Sciences, 1998, 153, 251-263.	0.3	66
63	Chapter 22 A new approach to the genetic analysis of nervous system diseases: Retrospective genotyping of archival brains. Progress in Brain Research, 1998, 117, 307-313.	0.9	1
64	Microglia and the Development of Spongiform Change in Creutzfeldt-Jakob Disease. Journal of Neuropathology and Experimental Neurology, 1998, 57, 246-256.	0.9	79
65	Microglial Activation in Alzheimer Disease: Association with APOE Genotype. Brain Pathology, 1998, 8, 439-447.	2.1	129
66	Long-lasting perivascular accumulation of major histocompatibility complex class II-positive lipophages in the spinal cord of stroke patients: possible relevance for the immune privilege of the brain. Acta Neuropathologica, 1997, 94, 532-538.	3.9	35
67	The â€˜common deletionâ€™ is not increased in parkinsonian substantia nigra as shown by competitive polymerase chain reaction. Movement Disorders, 1997, 12, 639-645.	2.2	21
68	Nonradioactive PCR Sequencing Using Digoxigenin. , 1996, 65, 81-90.		1
69	Surveillance, Intervention and Cytotoxicity: Is There a Protective Role of Microglia?. Developmental Neuroscience, 1994, 16, 114-127.	1.0	168
70	Molecular basis and diagnosis of neurogenetic disorders. Journal of the Neurological Sciences, 1994, 124, 119-140.	0.3	19
71	Heterogeneity of microglial and perivascular cell populations: Insights gained from the facial nucleus paradigm. Glia, 1993, 7, 68-74.	2.5	157
72	Non-Radioactive Direct Sequencing of PCR Products Amplified from Neuropathological Specimens. Brain Pathology, 1993, 3, 421-424.	2.1	13

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73	Antigen Presentation at the Blood-Brain Barrier: A Role for Astrocytes?. , 1993, , 263-270.		1
74	The Xâ€Linked Dystoniaâ€Parkinsonism Syndrome (XDP): Clinical and Molecular Genetic Analysis. Brain Pathology, 1992, 2, 287-295.	2.1	17
75	Genetics of Neurodegenerative Disorders. Brain Pathology, 1992, 2, 285-285.	2.1	2
76	Ultrastructural Location of Major Histocompatibility Complex (MHC) Class II Positive Perivascular Cells in Histologically Normal Human Brain. Journal of Neuropathology and Experimental Neurology, 1992, 51, 303-311.	0.9	136
77	Contralateral early blink reflex in patients with facial nerve palsy: indication for synaptic reorganization in the facial nucleus during regeneration. Journal of the Neurological Sciences, 1992, 109, 148-155.	0.3	53
78	Synaptic 5â€²-nucleotidase is transient and indicative of climbing fiber plasticity during the postnatal development of rat cerebellum. Developmental Brain Research, 1991, 61, 125-138.	2.1	33
79	Perivascular location and phenotypic heterogeneity of microglial cells in the rat brain. Journal of Neuroimmunology, 1991, 33, 87.	1.1	9
80	New expression of myelomonocytic antigens by microglia and perivascular cells following lethal motor neuron injury. Journal of Neuroimmunology, 1990, 27, 121-132.	1.1	205
81	Microglia: Immune Network in the CNS. Brain Pathology, 1990, 1, 2-5.	2.1	190
82	Perivascular microglia defined. Trends in Neurosciences, 1990, 13, 366.	4.2	81
83	Neuron-glial relationship during regeneration of motorneurons. Metabolic Brain Disease, 1989, 4, 81-85.	1.4	94
84	Peripheral nerve lesion produces increased levels of major histocompatibility complex antigens in the central nervous system. Journal of Neuroimmunology, 1989, 21, 117-123.	1.1	178
85	Microglia and microglia-derived brain macrophages in culture: generation from axotomized rat facial nuclei, identification and characterization in vitro. Brain Research, 1989, 492, 1-14.	1.1	97
86	Expression of Ia antigen on perivascular and microglial cells after sublethal and lethal motor neuron injury. Experimental Neurology, 1989, 105, 115-126.	2.0	273
87	Immunophenotypic characterization of rat brain macrophages in culture. Neuroscience Letters, 1989, 103, 241-246.	1.0	63
88	Functional plasticity of microglia: A review. Glia, 1988, 1, 301-307.	2.5	916
89	Delayed astrocyte reaction following facial nerve axotomy. Journal of Neurocytology, 1988, 17, 209-220.	1.6	164
90	The microglial cytoskeleton: vimentin is localized within activated cellsin situ. Journal of Neurocytology, 1988, 17, 573-580.	1.6	161

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91	5â€²-Nucleotidase in postnatal ontogeny of rat cerebellum: a marker for migrating nerve cells?. Developmental Brain Research, 1988, 39, 125-136.	2.1	44
92	Microglial cells but not astrocytes undergo mitosis following rat facial nerve axotomy. Neuroscience Letters, 1988, 85, 317-321.	1.0	319