

Manuel B Graeber

List of Publications by Year in descending order

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Version: 2024-02-01

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	Functional plasticity of microglia: A review. <i>Glia</i> , 1988, 1, 301-307.	2.5	916
2	<i>PGC-1</i> , A Potential Therapeutic Target for Early Intervention in Parkinson's Disease. <i>Science Translational Medicine</i> , 2010, 2, 52ra73.	5.8	691
3	Microglia: biology and pathology. <i>Acta Neuropathologica</i> , 2010, 119, 89-105.	3.9	625
4	Changing Face of Microglia. <i>Science</i> , 2010, 330, 783-788.	6.0	517
5	Staging of Neurofibrillary Pathology in Alzheimer's Disease: A Study of the BrainNet Europe Consortium. <i>Brain Pathology</i> , 2008, 18, 484-496.	2.1	361
6	Microglia in brain tumors. <i>Glia</i> , 2002, 40, 252-259.	2.5	343
7	Microglial inflammation in the parkinsonian substantia nigra: relationship to alpha-synuclein deposition. <i>Journal of Neuroinflammation</i> , 2005, 2, 14.	3.1	324
8	Microglial cells but not astrocytes undergo mitosis following rat facial nerve axotomy. <i>Neuroscience Letters</i> , 1988, 85, 317-321.	1.0	319
9	Role of microglia in CNS inflammation. <i>FEBS Letters</i> , 2011, 585, 3798-3805.	1.3	319
10	The molecular profile of microglia under the influence of glioma. <i>Neuro-Oncology</i> , 2012, 14, 958-978.	0.6	295
11	The facial nerve axotomy model. <i>Brain Research Reviews</i> , 2004, 44, 154-178.	9.1	278
12	Expression of Ia antigen on perivascular and microglial cells after sublethal and lethal motor neuron injury. <i>Experimental Neurology</i> , 1989, 105, 115-126.	2.0	273
13	New expression of myelomonocytic antigens by microglia and perivascular cells following lethal motor neuron injury. <i>Journal of Neuroimmunology</i> , 1990, 27, 121-132.	1.1	205
14	Positron emission tomography and functional characterization of a complete PBR/TSPO knockout. <i>Nature Communications</i> , 2014, 5, 5452.	5.8	199
15	Microglia: Immune Network in the CNS. <i>Brain Pathology</i> , 1990, 1, 2-5.	2.1	190
16	Peripheral nerve lesion produces increased levels of major histocompatibility complex antigens in the central nervous system. <i>Journal of Neuroimmunology</i> , 1989, 21, 117-123.	1.1	178
17	Surveillance, Intervention and Cytotoxicity: Is There a Protective Role of Microglia?. <i>Developmental Neuroscience</i> , 1994, 16, 114-127.	1.0	168
18	Delayed astrocyte reaction following facial nerve axotomy. <i>Journal of Neurocytology</i> , 1988, 17, 209-220.	1.6	164

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19	The microglial cytoskeleton: vimentin is localized within activated cells in situ. <i>Journal of Neurocytology</i> , 1988, 17, 573-580.	1.6	161
20	Heterogeneity of microglial and perivascular cell populations: Insights gained from the facial nucleus paradigm. <i>Glia</i> , 1993, 7, 68-74.	2.5	157
21	The microglia/macrophage response in the neonatal rat facial nucleus following axotomy. <i>Brain Research</i> , 1998, 813, 241-253.	1.1	153
22	Transformation of donor-derived bone marrow precursors into host microglia during autoimmune CNS inflammation and during the retrograde response to axotomy. <i>Journal of Neuroscience Research</i> , 2001, 66, 74-82.	1.3	139
23	Ultrastructural Location of Major Histocompatibility Complex (MHC) Class II Positive Perivascular Cells in Histologically Normal Human Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 1992, 51, 303-311.	0.9	136
24	Microglial Activation in Alzheimer Disease: Association with APOE Genotype. <i>Brain Pathology</i> , 1998, 8, 439-447.	2.1	129
25	Neuronal MCP-1 Expression in Response to Remote Nerve Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 69-76.	2.4	123
26	Striatal β -Amyloid Deposition in Parkinson Disease With Dementia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 155-161.	0.9	121
27	Glial degeneration and reactive gliosis in alpha-synucleinopathies: the emerging concept of primary gliodegeneration. <i>Acta Neuropathologica</i> , 2006, 112, 517-530.	3.9	115
28	Mechanisms of Cell Death in Neurodegenerative Diseases: Fashion, Fiction, and Facts. <i>Brain Pathology</i> , 2002, 12, 385-390.	2.1	112
29	Development of ramified microglia from early macrophages in the zebrafish optic tectum. <i>Developmental Neurobiology</i> , 2013, 73, 60-71.	1.5	101
30	Microglia and microglia-derived brain macrophages in culture: generation from axotomized rat facial nuclei, identification and characterization in vitro. <i>Brain Research</i> , 1989, 492, 1-14.	1.1	97
31	Interlaboratory Comparison of Assessments of Alzheimer Disease-Related Lesions: A Study of the BrainNet Europe Consortium. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 740-757.	0.9	95
32	Neuron-glia relationship during regeneration of motoneurons. <i>Metabolic Brain Disease</i> , 1989, 4, 81-85.	1.4	94
33	Towards a pathway definition of Parkinson's disease: a complex disorder with links to cancer, diabetes and inflammation. <i>Neurogenetics</i> , 2008, 9, 1-13.	0.7	92
34	Perivascular microglia defined. <i>Trends in Neurosciences</i> , 1990, 13, 366.	4.2	81
35	Microglia and the Development of Spongiform Change in Creutzfeldt-Jakob Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 246-256.	0.9	79
36	Novel mutations of mitochondrial complex I in pathologically proven Parkinson disease. <i>Neurogenetics</i> , 1998, 1, 197-204.	0.7	76

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37	Neuronal pentraxin II is highly upregulated in Parkinson's disease and a novel component of Lewy bodies. <i>Acta Neuropathologica</i> , 2008, 115, 471-478.	3.9	70
38	Recent developments in the molecular genetics of mitochondrial disorders. <i>Journal of the Neurological Sciences</i> , 1998, 153, 251-263.	0.3	66
39	Nucleo-cytoplasmic transport of TDP-43 studied in real time: impaired microglia function leads to axonal spreading of TDP-43 in degenerating motor neurons. <i>Acta Neuropathologica</i> , 2018, 136, 445-459.	3.9	66
40	Microglia only weakly present glioma antigen to cytotoxic T cells. <i>International Journal of Developmental Neuroscience</i> , 1999, 17, 547-556.	0.7	64
41	Immunophenotypic characterization of rat brain macrophages in culture. <i>Neuroscience Letters</i> , 1989, 103, 241-246.	1.0	63
42	Mitochondria in activated microglia in vitro. <i>Journal of Neurocytology</i> , 2004, 33, 535-541.	1.6	58
43	The need to unify neuropathological assessments of vascular alterations in the ageing brain. <i>Experimental Gerontology</i> , 2012, 47, 825-833.	1.2	57
44	Up-regulation of metallothionein gene expression in Parkinsonian astrocytes. <i>Neurogenetics</i> , 2011, 12, 295-305.	0.7	56
45	'Neuroinflammation' differs categorically from inflammation: transcriptomes of Alzheimer's disease, Parkinson's disease, schizophrenia and inflammatory diseases compared. <i>Neurogenetics</i> , 2014, 15, 201-212.	0.7	55
46	Contralateral early blink reflex in patients with facial nerve palsy: indication for synaptic reorganization in the facial nucleus during regeneration. <i>Journal of the Neurological Sciences</i> , 1992, 109, 148-155.	0.3	53
47	Microglial proliferation in the brain of chronic alcoholics with hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2014, 29, 1027-1039.	1.4	52
48	Hippocampal CA2 Lewy pathology is associated with cholinergic degeneration in Parkinson's disease with cognitive decline. <i>Acta Neuropathologica Communications</i> , 2019, 7, 61.	2.4	47
49	Monocyte-Astrocyte Networks Regulate Matrix Metalloproteinase Gene Expression and Secretion in Central Nervous System Tuberculosis In Vitro and In Vivo. <i>Journal of Immunology</i> , 2007, 178, 1199-1207.	0.4	45
50	5'-Nucleotidase in postnatal ontogeny of rat cerebellum: a marker for migrating nerve cells?. <i>Developmental Brain Research</i> , 1988, 39, 125-136.	2.1	44
51	IFN γ synergizes with IL-1 β to upregulate MMP-9 secretion in a cellular model of central nervous system tuberculosis. <i>FASEB Journal</i> , 2007, 21, 356-365.	0.2	44
52	Multiple mechanisms of microglia: A gatekeeper's contribution to pain states. <i>Experimental Neurology</i> , 2012, 234, 255-261.	2.0	39
53	miR-124 contributes to the functional maturity of microglia. <i>Developmental Neurobiology</i> , 2016, 76, 507-518.	1.5	36
54	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. <i>Acta Neuropathologica</i> , 1997, 94, 532-538.	3.9	35

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55	Synaptic 5 α -nucleotidase is transient and indicative of climbing fiber plasticity during the postnatal development of rat cerebellum. <i>Developmental Brain Research</i> , 1991, 61, 125-138.	2.1	33
56	The microglial gene regulatory network activated by interferon-gamma. <i>Journal of Neuroimmunology</i> , 2007, 183, 1-6.	1.1	29
57	Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. <i>Neurosurgery</i> , 2001, 48, 187-194.	0.6	27
58	Neuroinflammation: No Rose by Any Other Name. <i>Brain Pathology</i> , 2014, 24, 620-622.	2.1	26
59	The emerging clinical potential of circulating extracellular vesicles for non-invasive glioma diagnosis and disease monitoring. <i>Brain Tumor Pathology</i> , 2019, 36, 29-39.	1.1	26
60	Neuropathological assessments of the pathology in frontotemporal lobar degeneration with TDP43-positive inclusions: an inter-laboratory study by the BrainNet Europe consortium. <i>Journal of Neural Transmission</i> , 2015, 122, 957-972.	1.4	25
61	Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. <i>Neurosurgery</i> , 2001, 48, 187-194.	0.6	24
62	MICROGLIA IN GEMISTOCYTIC ASTROCYTOMAS. <i>Neurosurgery</i> , 2007, 60, 159-166.	0.6	23
63	Biomarkers for Parkinson's disease. <i>Experimental Neurology</i> , 2009, 216, 249-253.	2.0	22
64	The Δ common deletion Δ is not increased in parkinsonian substantia nigra as shown by competitive polymerase chain reaction. <i>Movement Disorders</i> , 1997, 12, 639-645.	2.2	21
65	Molecular basis and diagnosis of neurogenetic disorders. <i>Journal of the Neurological Sciences</i> , 1994, 124, 119-140.	0.3	19
66	Emergent Properties of Microglia. <i>Brain Pathology</i> , 2014, 24, 665-670.	2.1	19
67	The X Δ Linked Dystonia Δ Parkinsonism Syndrome (XDP): Clinical and Molecular Genetic Analysis. <i>Brain Pathology</i> , 1992, 2, 287-295.	2.1	17
68	Non-Radioactive Direct Sequencing of PCR Products Amplified from Neuropathological Specimens. <i>Brain Pathology</i> , 1993, 3, 421-424.	2.1	13
69	In vitro proliferation of axotomized rat facial nucleus-derived activated microglia in an autocrine fashion. <i>Journal of Neuroscience Research</i> , 2006, 84, 348-359.	1.3	13
70	Cytokine Signalling at the Microglial Penta-Partite Synapse. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13186.	1.8	13
71	Dementia with Lewy bodies: disease concept and genetics. <i>Neurogenetics</i> , 2003, 4, 157-162.	0.7	10
72	Synapses, Microglia, and Lipids in Alzheimer Δ s Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 778822.	1.4	10

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73	Perivascular location and phenotypic heterogeneity of microglial cells in the rat brain. <i>Journal of Neuroimmunology</i> , 1991, 33, 87.	1.1	9
74	Selective, high-contrast detection of syngeneic glioblastoma in vivo. <i>Scientific Reports</i> , 2020, 10, 9968.	1.6	9
75	What does apoptosis have to do with Parkinson's disease?. <i>Movement Disorders</i> , 1999, 14, 384-385.	2.2	7
76	PathoFusion: An Open-Source AI Framework for Recognition of Pathomorphological Features and Mapping of Immunohistochemical Data. <i>Cancers</i> , 2021, 13, 617.	1.7	6
77	Ground state depletion microscopy as a tool for studying microglia-synapse interactions. <i>Journal of Neuroscience Research</i> , 2021, 99, 1515-1532.	1.3	6
78	Bone marrow-derived microglia in pilocytic astrocytoma. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 371-379.	0.9	4
79	Global democratic consensus on neuropathological disease criteria. <i>Lancet Neurology</i> , The, 2002, 1, 340.	4.9	3
80	Calcium-axonemal microtubuli interactions underlie mechanism(s) of primary cilia morphological changes. <i>Journal of Biological Physics</i> , 2018, 44, 53-80.	0.7	3
81	A Bifocal Classification and Fusion Network for Multimodal Image Analysis in Histopathology. , 2020, , .		3
82	Genetics of Neurodegenerative Disorders. <i>Brain Pathology</i> , 1992, 2, 285-285.	2.1	2
83	A Free Community Approach to Classifying Disease. <i>PLoS Medicine</i> , 2004, 1, e16.	3.9	2
84	Driving innovation through collaboration: development of clinical annotation datasets for brain cancer biobanking. <i>Neuro-Oncology Practice</i> , 2020, 7, 31-37.	1.0	2
85	Depthwise Multiception Convolution for Reducing Network Parameters without Sacrificing Accuracy. , 2020, , .		2
86	Nonradioactive PCR Sequencing Using Digoxigenin. , 1996, 65, 81-90.		1
87	Chapter 22 A new approach to the genetic analysis of nervous system diseases: Retrospective genotyping of archival brains. <i>Progress in Brain Research</i> , 1998, 117, 307-313.	0.9	1
88	Courage, luck and patience: in celebration of the 80th birthday of Georg W. Kreutzberg. <i>Acta Neuropathologica</i> , 2012, 124, 593-598.	3.9	1
89	Antigen Presentation at the Blood-Brain Barrier: A Role for Astrocytes?. , 1993, , 263-270.		1
90	Response from Authors. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 484.2-485.	0.9	0

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91	Glial Cells: Microglia. , 2019, , .		0
92	Prof. Dr. med. Dr. med. h.c. Georg W. Kreutzberg. Neuroforum, 2020, 26, 55-56.	0.2	0