

Manuel B Graeber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12136652/publications.pdf>

Version: 2024-02-01

92
papers

9,808
citations

47006

47
h-index

53230

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. | 4.9 | 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. | 12.4 | 691 |
| 3 | Microglia: biology and pathology. <i>Acta Neuropathologica</i> , 2010, 119, 89-105. | 7.7 | 625 |
| 4 | Changing Face of Microglia. <i>Science</i> , 2010, 330, 783-788. | 12.6 | 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. | 4.1 | 361 |
| 6 | Microglia in brain tumors. <i>Glia</i> , 2002, 40, 252-259. | 4.9 | 343 |
| 7 | Microglial inflammation in the parkinsonian substantia nigra: relationship to alpha-synuclein deposition. <i>Journal of Neuroinflammation</i> , 2005, 2, 14. | 7.2 | 324 |
| 8 | Microglial cells but not astrocytes undergo mitosis following rat facial nerve axotomy. <i>Neuroscience Letters</i> , 1988, 85, 317-321. | 2.1 | 319 |
| 9 | Role of microglia in CNS inflammation. <i>FEBS Letters</i> , 2011, 585, 3798-3805. | 2.8 | 319 |
| 10 | The molecular profile of microglia under the influence of glioma. <i>Neuro-Oncology</i> , 2012, 14, 958-978. | 1.2 | 295 |
| 11 | The facial nerve axotomy model. <i>Brain Research Reviews</i> , 2004, 44, 154-178. | 9.0 | 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. | 4.1 | 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. | 2.3 | 205 |
| 14 | Positron emission tomography and functional characterization of a complete PBR/TSPO knockout. <i>Nature Communications</i> , 2014, 5, 5452. | 12.8 | 199 |
| 15 | Microglia: Immune Network in the CNS. <i>Brain Pathology</i> , 1990, 1, 2-5. | 4.1 | 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. | 2.3 | 178 |
| 17 | Surveillance, Intervention and Cytotoxicity: Is There a Protective Role of Microglia?. <i>Developmental Neuroscience</i> , 1994, 16, 114-127. | 2.0 | 168 |
| 18 | Delayed astrocyte reaction following facial nerve axotomy. <i>Journal of Neurocytology</i> , 1988, 17, 209-220. | 1.5 | 164 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The microglial cytoskeleton: vimentin is localized within activated cells in situ. <i>Journal of Neurocytology</i> , 1988, 17, 573-580. | 1.5 | 161 |
| 20 | Heterogeneity of microglial and perivascular cell populations: Insights gained from the facial nucleus paradigm. <i>Glia</i> , 1993, 7, 68-74. | 4.9 | 157 |
| 21 | The microglia/macrophage response in the neonatal rat facial nucleus following axotomy. <i>Brain Research</i> , 1998, 813, 241-253. | 2.2 | 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. | 2.9 | 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. | 1.7 | 136 |
| 24 | Microglial Activation in Alzheimer Disease: Association with APOE Genotype. <i>Brain Pathology</i> , 1998, 8, 439-447. | 4.1 | 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. | 4.3 | 123 |
| 26 | Striatal β -Amyloid Deposition in Parkinson Disease With Dementia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 155-161. | 1.7 | 121 |
| 27 | Glial degeneration and reactive gliosis in alpha-synucleinopathies: the emerging concept of primary gliodegeneration. <i>Acta Neuropathologica</i> , 2006, 112, 517-530. | 7.7 | 115 |
| 28 | Mechanisms of Cell Death in Neurodegenerative Diseases: Fashion, Fiction, and Facts. <i>Brain Pathology</i> , 2002, 12, 385-390. | 4.1 | 112 |
| 29 | Development of ramified microglia from early macrophages in the zebrafish optic tectum. <i>Developmental Neurobiology</i> , 2013, 73, 60-71. | 3.0 | 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. | 2.2 | 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. | 1.7 | 95 |
| 32 | Neuron-glia relationship during regeneration of motoneurons. <i>Metabolic Brain Disease</i> , 1989, 4, 81-85. | 2.9 | 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. | 1.4 | 92 |
| 34 | Perivascular microglia defined. <i>Trends in Neurosciences</i> , 1990, 13, 366. | 8.6 | 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. | 1.7 | 79 |
| 36 | Novel mutations of mitochondrial complex I in pathologically proven Parkinson disease. <i>Neurogenetics</i> , 1998, 1, 197-204. | 1.4 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 7.7 | 70 |
| 38 | Recent developments in the molecular genetics of mitochondrial disorders. <i>Journal of the Neurological Sciences</i> , 1998, 153, 251-263. | 0.6 | 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. | 7.7 | 66 |
| 40 | Microglia only weakly present glioma antigen to cytotoxic T cells. <i>International Journal of Developmental Neuroscience</i> , 1999, 17, 547-556. | 1.6 | 64 |
| 41 | Immunophenotypic characterization of rat brain macrophages in culture. <i>Neuroscience Letters</i> , 1989, 103, 241-246. | 2.1 | 63 |
| 42 | Mitochondria in activated microglia in vitro. <i>Journal of Neurocytology</i> , 2004, 33, 535-541. | 1.5 | 58 |
| 43 | The need to unify neuropathological assessments of vascular alterations in the ageing brain. <i>Experimental Gerontology</i> , 2012, 47, 825-833. | 2.8 | 57 |
| 44 | Up-regulation of metallothionein gene expression in Parkinsonian astrocytes. <i>Neurogenetics</i> , 2011, 12, 295-305. | 1.4 | 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. | 1.4 | 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. | 0.6 | 53 |
| 47 | Microglial proliferation in the brain of chronic alcoholics with hepatic encephalopathy. <i>Metabolic Brain Disease</i> , 2014, 29, 1027-1039. | 2.9 | 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. | 5.2 | 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. | 0.8 | 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. | 1.7 | 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. | 0.5 | 44 |
| 52 | Multiple mechanisms of microglia: A gatekeeper's contribution to pain states. <i>Experimental Neurology</i> , 2012, 234, 255-261. | 4.1 | 39 |
| 53 | miR-124 contributes to the functional maturity of microglia. <i>Developmental Neurobiology</i> , 2016, 76, 507-518. | 3.0 | 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. | 7.7 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 1.7 | 33 |
| 56 | The microglial gene regulatory network activated by interferon-gamma. <i>Journal of Neuroimmunology</i> , 2007, 183, 1-6. | 2.3 | 29 |
| 57 | Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. <i>Neurosurgery</i> , 2001, 48, 187-194. | 1.1 | 27 |
| 58 | Neuroinflammation: No Rose by Any Other Name. <i>Brain Pathology</i> , 2014, 24, 620-622. | 4.1 | 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. | 1.7 | 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. | 2.8 | 25 |
| 61 | Genotype-Phenotype Correlation in Gemistocytic Astrocytomas. <i>Neurosurgery</i> , 2001, 48, 187-194. | 1.1 | 24 |
| 62 | MICROGLIA IN GEMISTOCYTIC ASTROCYTOMAS. <i>Neurosurgery</i> , 2007, 60, 159-166. | 1.1 | 23 |
| 63 | Biomarkers for Parkinson's disease. <i>Experimental Neurology</i> , 2009, 216, 249-253. | 4.1 | 22 |
| 64 | The "common deletion" is not increased in parkinsonian substantia nigra as shown by competitive polymerase chain reaction. <i>Movement Disorders</i> , 1997, 12, 639-645. | 3.9 | 21 |
| 65 | Molecular basis and diagnosis of neurogenetic disorders. <i>Journal of the Neurological Sciences</i> , 1994, 124, 119-140. | 0.6 | 19 |
| 66 | Emergent Properties of Microglia. <i>Brain Pathology</i> , 2014, 24, 665-670. | 4.1 | 19 |
| 67 | The "Linked Dystonia-Parkinsonism Syndrome (XDP): Clinical and Molecular Genetic Analysis. <i>Brain Pathology</i> , 1992, 2, 287-295. | 4.1 | 17 |
| 68 | Non-Radioactive Direct Sequencing of PCR Products Amplified from Neuropathological Specimens. <i>Brain Pathology</i> , 1993, 3, 421-424. | 4.1 | 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. | 2.9 | 13 |
| 70 | Cytokine Signalling at the Microglial Penta-Partite Synapse. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13186. | 4.1 | 13 |
| 71 | Dementia with Lewy bodies: disease concept and genetics. <i>Neurogenetics</i> , 2003, 4, 157-162. | 1.4 | 10 |
| 72 | Synapses, Microglia, and Lipids in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 778822. | 2.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Perivascular location and phenotypic heterogeneity of microglial cells in the rat brain. <i>Journal of Neuroimmunology</i> , 1991, 33, 87. | 2.3 | 9 |
| 74 | Selective, high-contrast detection of syngeneic glioblastoma in vivo. <i>Scientific Reports</i> , 2020, 10, 9968. | 3.3 | 9 |
| 75 | What does apoptosis have to do with Parkinson's disease?. <i>Movement Disorders</i> , 1999, 14, 384-385. | 3.9 | 7 |
| 76 | PathoFusion: An Open-Source AI Framework for Recognition of Pathomorphological Features and Mapping of Immunohistochemical Data. <i>Cancers</i> , 2021, 13, 617. | 3.7 | 6 |
| 77 | Ground state depletion microscopy as a tool for studying microglia-synapse interactions. <i>Journal of Neuroscience Research</i> , 2021, 99, 1515-1532. | 2.9 | 6 |
| 78 | Bone marrow-derived microglia in pilocytic astrocytoma. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 371-379. | 1.8 | 4 |
| 79 | Global democratic consensus on neuropathological disease criteria. <i>Lancet Neurology</i> , The, 2002, 1, 340. | 10.2 | 3 |
| 80 | Calcium-axonemal microtubuli interactions underlie mechanism(s) of primary cilia morphological changes. <i>Journal of Biological Physics</i> , 2018, 44, 53-80. | 1.5 | 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. | 4.1 | 2 |
| 83 | A Free Community Approach to Classifying Disease. <i>PLoS Medicine</i> , 2004, 1, e16. | 8.4 | 2 |
| 84 | Driving innovation through collaboration: development of clinical annotation datasets for brain cancer biobanking. <i>Neuro-Oncology Practice</i> , 2020, 7, 31-37. | 1.6 | 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. | 1.4 | 1 |
| 88 | Courage, luck and patience: in celebration of the 80th birthday of Georg W. Kreutzberg. <i>Acta Neuropathologica</i> , 2012, 124, 593-598. | 7.7 | 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. | 1.7 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Glial Cells: Microglia. , 2019, , . | | 0 |
| 92 | Prof. Dr. med. Dr. med. h.c. Georg W. Kreutzberg. Neuroforum, 2020, 26, 55-56. | 0.3 | 0 |