Gwenn A Garden

List of Publications by Year
in descending order

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66 papers	6,642 citations	94381 37 h-index	110317 64 g-index
69 all docs	69 docs citations	69 times ranked	9586 citing authors

#	Article	IF	Citations
1	Pathways to neuronal injury and apoptosis in HIV-associated dementia. Nature, 2001, 410, 988-994.	13.7	1,169
2	Association Between Carotid Plaque Characteristics and Subsequent Ischemic Cerebrovascular Events. Stroke, 2006, 37, 818-823.	1.0	691
3	Microglia Biology in Health and Disease. Journal of NeuroImmune Pharmacology, 2006, 1, 127-137.	2.1	439
4	A Simple Composite Phenotype Scoring System for Evaluating Mouse Models of Cerebellar Ataxia. Journal of Visualized Experiments, 2010, , .	0.2	253
5	Fetal brain lesions after subcutaneous inoculation of Zika virus in a pregnant nonhuman primate. Nature Medicine, 2016, 22, 1256-1259.	15.2	241
6	Bergmann glia expression of polyglutamine-expanded ataxin-7 produces neurodegeneration by impairing glutamate transport. Nature Neuroscience, 2006, 9, 1302-1311.	7.1	218
7	Caspase Cascades in Human Immunodeficiency Virus-Associated Neurodegeneration. Journal of Neuroscience, 2002, 22, 4015-4024.	1.7	217
8	Microglia in human immunodeficiency virus-associated neurodegeneration. Glia, 2002, 40, 240-251.	2.5	187
9	p53-dependent cell death signaling in neurons. Neurochemical Research, 2003, 28, 15-27.	1.6	163
10	Polyglutamine-Expanded Ataxin-7 Promotes Non-Cell-Autonomous Purkinje Cell Degeneration and Displays Proteolytic Cleavage in Ataxic Transgenic Mice. Journal of Neuroscience, 2002, 22, 4897-4905.	1.7	149
11	miR-155 Promotes T Follicular Helper Cell Accumulation during Chronic, Low-Grade Inflammation. Immunity, 2014, 41, 605-619.	6.6	145
12	Polyglutamine-expanded androgen receptor interferes with TFEB to elicit autophagy defects in SBMA. Nature Neuroscience, 2014, 17, 1180-1189.	7.1	142
13	Critical dataâ€based reâ€evaluation of minocycline as a putative specific microglia inhibitor. Glia, 2016, 64, 1788-1794.	2.5	137
14	Acute neuroprotective synergy of erythropoietin and insulin-like growth factor I. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9855-9860.	3.3	125
15	MicroRNAs mediating CNS inflammation: Small regulators with powerful potential. Brain, Behavior, and Immunity, 2016, 52, 1-8.	2.0	125
16	HIV associated neurodegeneration requires p53 in neurons and microglia. FASEB Journal, 2004, 18, 1141-1143.	0.2	123
17	R47H Variant ofTREM2Associated With Alzheimer Disease in a Large Late-Onset Family. JAMA Neurology, 2015, 72, 920.	4.5	122
18	Predictors of carotid atherosclerotic plaque progression as measured by noninvasive magnetic resonance imaging. Atherosclerosis, 2007, 194, e34-e42.	0.4	113

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19	Intercellular (Mis)communication in Neurodegenerative Disease. Neuron, 2012, 73, 886-901.	3.8	113
20	Cytokines in CAR T Cellâ€“Associated Neurotoxicity. Frontiers in Immunology, 2020, 11, 577027.	2.2	110
21	Molecular pathogenesis and cellular pathology of spinocerebellar ataxia type 7 neurodegeneration. Cerebellum, 2008, 7, 138-149.	1.4	102
22	Lack of correspondence between mRNA expression for a putative cell death molecule (SGP-2) and neuronal cell death in the central nervous system. Journal of Neurobiology, 1991, 22, 590-604.	3.7	101
23	Autophagy activation and enhanced mitophagy characterize the Purkinje cells of pcd mice prior to neuronal death. Molecular Brain, 2009, 2, 24.	1.3	95
24	The p53 Transcription Factor Modulates Microglia Behavior through MicroRNA-Dependent Regulation of c-Maf. Journal of Immunology, 2014, 192, 358-366.	0.4	80
25	Predictors of Surface Disruption with MR Imaging in Asymptomatic Carotid Artery Stenosis. American Journal of Neuroradiology, 2010, 31, 487-493.	1.2	79
26	CCR5 Knockout Prevents Neuronal Injury and Behavioral Impairment Induced in a Transgenic Mouse Model by a CXCR4-Using HIV-1 Glycoprotein 120. Journal of Immunology, 2014, 193, 1895-1910.	0.4	70
27	Presenilin 2 influences miR146 level and activity in microglia. Journal of Neurochemistry, 2013, 127, 592-599.	2.1	60
28	Epigenetics and the Modulation of Neuroinflammation. Neurotherapeutics, 2013, 10, 782-788.	2.1	59
29	Polyglutamine-Expanded Androgen Receptor Truncation Fragments Activate a Bax-Dependent Apoptotic Cascade Mediated by DP5/Hrk. Journal of Neuroscience, 2009, 29, 1987-1997.	1.7	56
30	Spinocerebellar Ataxia Type 7 Cerebellar Disease Requires the Coordinated Action of Mutant Ataxin-7 in Neurons and Glia, and Displays Non-Cell-Autonomous Bergmann Glia Degeneration. Journal of Neuroscience, 2011, 31, 16269-16278.	1.7	55
31	Declines in Drp1 and Parkin Expression Underlie DNA Damage-Induced Changes in Mitochondrial Length and Neuronal Death. Journal of Neuroscience, 2013, 33, 1357-1365.	1.7	51
32	Presenilin 2 Is the Predominant Î³-Secretase in Microglia and Modulates Cytokine Release. PLoS ONE, 2010, 5, e15743.	1.1	51
33	Neuronal Survival and Cell Death Signaling Pathways. Advances in Experimental Medicine and Biology, 2003, 513, 41-86.	0.8	49
34	Rotenone and paraquat do not directly activate microglia or induce inflammatory cytokine release. Neuroscience Letters, 2009, 462, 1-5.	1.0	48
35	Transcription factor p53 influences microglial activation phenotype. Glia, 2011, 59, 1402-1413.	2.5	47
36	Reduction of mutant ataxin-7 expression restores motor function and prevents cerebellar synaptic reorganization in a conditional mouse model of SCA7. Human Molecular Genetics, 2013, 22, 890-903.	1.4	42

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37	Glial biomarkers in human central nervous system disease. Glia, 2016, 64, 1755-1771.	2.5	41
38	Bax Interacting Factor-1 Promotes Survival and Mitochondrial Elongation in Neurons. Journal of Neuroscience, 2014, 34, 2674-2683.	1.7	38
39	Glia: guardians, gluttons, or guides for the maintenance of neuronal connectivity?. Annals of the New York Academy of Sciences, 2015, 1351, 1-10.	1.8	34
40	The Glial Response to CNS HIV Infection Includes p53 Activation and Increased Expression of p53 Target Genes. Journal of NeuroImmune Pharmacology, 2007, 2, 359-370.	2.1	33
41	Host and Viral Factors Influencing the Pathogenesis of HIV-Associated Neurocognitive Disorders. Journal of NeuroImmune Pharmacology, 2009, 4, 175-189.	2.1	32
42	Alternative splicing in a presenilin 2 variant associated with Alzheimer disease. Annals of Clinical and Translational Neurology, 2019, 6, 762-777.	1.7	29
43	Protein Masking of a Ribosomal RNA Epitope Is an Early Event in Afferent Deprivation-Induced Neuronal Death. Molecular and Cellular Neurosciences, 1995, 6, 293-310.	1.0	28
44	Loss of endophilin-B1 exacerbates Alzheimerâ€™s disease pathology. Brain, 2015, 138, 2005-2019.	3.7	28
45	Activation of the extrinsic caspase pathway in cultured cortical neurons requires p53-mediated down-regulation of the X-linked inhibitor of apoptosis protein to induce apoptosis. Journal of Neurochemistry, 2007, 102, 1206-1219.	2.1	27
46	The p53 Transcriptional Network Influences Microglia Behavior and Neuroinflammation. Critical Reviews in Immunology, 2015, 35, 401-415.	1.0	26
47	Molecular estimation of neurodegeneration pseudotime in older brains. Nature Communications, 2020, 11, 5781.	5.8	26
48	Emerging roles of p53 in glial cell function in health and disease. Glia, 2012, 60, 515-525.	2.5	24
49	The proâ€inflammatory <scp>microRNA miR</scp>â€155 influences fibrillar <scp>Î²â€Amyloid₁</scp>_{â€42} catabolism by microglia. Glia, 2021, 69, 1736-1748.	2.5	24
50	Afferent influences on brainstem auditory nuclei of the chicken: Regulation of transcriptional activity followiqg cochlea removal. Journal of Comparative Neurology, 1995, 359, 412-423.	0.9	23
51	Modulation of Hematopoietic Lineage Specification Impacts TREM2 Expression in Microglia-Like Cells Derived From Human Stem Cells. ASN Neuro, 2017, 9, 175909141771661.	1.5	22
52	Recombinant adenoâ€associated viral (<scp>rAAV</scp>) vectors mediate efficient gene transduction in cultured neonatal and adult microglia. Journal of Neurochemistry, 2016, 136, 49-62.	2.1	21
53	Neuronal susceptibility to betaâ€amyloid toxicity and ischemic injury involves histone deacetylaseâ€2 regulation of endophilinâ€B1. Brain Pathology, 2019, 29, 164-175.	2.1	21
54	Ischemic preconditioning induces cortical microglial proliferation and a transcriptomic program of robust cell cycle activation. Glia, 2020, 68, 76-94.	2.5	21

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55	Early-Onset Familial Alzheimer Disease Variant PSEN2 N141I Heterozygosity is Associated with Altered Microglia Phenotype. Journal of Alzheimer's Disease, 2020, 77, 675-688.	1.2	18
56	Acyclovir responsive brain stem disease after the Ramsay Hunt syndrome. Journal of the Neurological Sciences, 2004, 217, 111-113.	0.3	17
57	The multiple roles of p53 in the pathogenesis of HIV associated dementia. Biochemical and Biophysical Research Communications, 2005, 331, 799-809.	1.0	17
58	Potential Applications and Limitations of Proteomics in the Study of Neurological Disease. Archives of Neurology, 2006, 63, 1692.	4.9	16
59	A cAMP-Related Gene Network in Microglia Is Inversely Regulated by Morphine Tolerance and Withdrawal. Biological Psychiatry Global Open Science, 2022, 2, 180-189.	1.0	14
60	Soluble proteins from rat olfactory bulb promote the survival and differentiation of cultured basal forebrain neurons. Developmental Brain Research, 1988, 41, 263-276.	2.1	12
61	Brain capillary obstruction during neurotoxicity in a mouse model of anti-CD19 chimeric antigen receptor T-cell therapy. Brain Communications, 2022, 4, fcab309.	1.5	8
62	A Subpopulation of Microglia Generated in the Adult Mouse Brain Originates from Prominin-1-Expressing Progenitors. Journal of Neuroscience, 2021, 41, 7942-7953.	1.7	4
63	Beta-2 Microglobulin as a Marker of HIV Disease Status in Nairobi, Kenya. International Journal of STD and AIDS, 1993, 4, 49-51.	0.5	2
64	Spinocerebellar Ataxia Type 7: Clinical Features to Cellular Pathogenesis. , 2006, , 399-416.		2
65	Validation of a computational phenotype for finding patients eligible for genetic testing for pathogenic PTEN variants across three centers. Journal of Neurodevelopmental Disorders, 2022, 14, 24.	1.5	2
66	Molecular pathogenesis and cellular pathology of spinocerebellar ataxia type 7 neurodegeneration. Cerebellum, 2008, 7, 1-12.	1.4	0