Tony Wyss-Coray

List of Publications by Year
in descending order

200	39,706	5248	3021
papers	citations	83 h-index	188 g-index

234	234	234	46770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuroinflammation in Alzheimer's disease. Lancet Neurology, The, 2015, 14, 388-405.	4.9	4,129
2	Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris. Nature, 2018, 562, 367-372.	13.7	2,061
3	Geroscience: Linking Aging to Chronic Disease. Cell, 2014, 159, 709-713.	13.5	1,709
4	The ageing systemic milieu negatively regulates neurogenesis and cognitive function. Nature, 2011, 477, 90-94.	13.7	1,453
5	Inflammation in Neurodegenerative Diseaseâ€"A Double-Edged Sword. Neuron, 2002, 35, 419-432.	3.8	1,075
6	LEF-1 is crucial for neutrophil granulocytopoiesis and its expression is severely reduced in congenital neutropenia. Nature Medicine, 2006, 12, 1191-1197.	15.2	1,015
7	Classification and prediction of clinical Alzheimer's diagnosis based on plasma signaling proteins. Nature Medicine, 2007, 13, 1359-1362.	15.2	969
8	The autophagy-related protein beclin 1 shows reduced expression in early Alzheimer disease and regulates amyloid Î² accumulation in mice. Journal of Clinical Investigation, 2008, 118, 2190-9.	3.9	914
9	Young blood reverses age-related impairments in cognitive function and synaptic plasticity in mice. Nature Medicine, 2014, 20, 659-663.	15.2	858
10	Adult mouse astrocytes degrade amyloid-Î² in vitro and in situ. Nature Medicine, 2003, 9, 453-457.	15.2	808
11	Ageing, neurodegeneration and brain rejuvenation. Nature, 2016, 539, 180-186.	13.7	787
12	Inflammation in Alzheimer Disease--A Brief Review of the Basic Science and Clinical Literature. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006346-a006346.	2.9	786
13	Developmental Heterogeneity of Microglia and Brain Myeloid Cells Revealed by Deep Single-Cell RNA Sequencing. Neuron, 2019, 101, 207-223.e10.	3.8	695
14	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	13.7	683
15	TREM2 mutations implicated in neurodegeneration impair cell surface transport and phagocytosis. Science Translational Medicine, 2014, 6, 243ra86.	5.8	600
16	Immune Activation in Brain Aging and Neurodegeneration: Too Much or Too Little?. Neuron, 2009, 64, 110-122.	3.8	594
17	TGF-Î²1 promotes microglial amyloid-Î² clearance and reduces plaque burden in transgenic mice. Nature Medicine, 2001, 7, 612-618.	15.2	575
18	Lipid-droplet-accumulating microglia represent a dysfunctional and proinflammatory state in the aging brain. Nature Neuroscience, 2020, 23, 194-208.	7.1	558

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19	Beclin 1 Gene Transfer Activates Autophagy and Ameliorates the Neurodegenerative Pathology in Î±-Synuclein Models of Parkinson's and Lewy Body Diseases. Journal of Neuroscience, 2009, 29, 13578-13588.	1.7	539
20	Clonally expanded CD8 T cells patrol the cerebrospinal fluid in Alzheimerâ€™s disease. Nature, 2020, 577, 399-404.	13.7	537
21	Identification of a central role for complement in osteoarthritis. Nature Medicine, 2011, 17, 1674-1679.	15.2	470
22	Undulating changes in human plasma proteome profiles across the lifespan. Nature Medicine, 2019, 25, 1843-1850.	15.2	470
23	Microglial dysfunction in brain aging and Alzheimer's disease. Biochemical Pharmacology, 2014, 88, 594-604.	2.0	469
24	Aging-induced type I interferon response at the choroid plexus negatively affects brain function. Science, 2014, 346, 89-93.	6.0	463
25	Prominent neurodegeneration and increased plaque formation in complement-inhibited Alzheimer's mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10837-10842.	3.3	417
26	Amyloidogenic role of cytokine TGF-Î²1 in transgenic mice and in Alzheimer's disease. Nature, 1997, 389, 603-606.	13.7	408
27	Dysregulation of brain and choroid plexus cell types in severe COVID-19. Nature, 2021, 595, 565-571.	13.7	406
28	Î²2-microglobulin is a systemic pro-aging factor that impairs cognitive function and neurogenesis. Nature Medicine, 2015, 21, 932-937.	15.2	373
29	Single-cell analysis reveals T cell infiltration in old neurogenic niches. Nature, 2019, 571, 205-210.	13.7	351
30	Neuron-Specific Apolipoprotein E4 Proteolysis Is Associated with Increased Tau Phosphorylation in Brains of Transgenic Mice. Journal of Neuroscience, 2004, 24, 2527-2534.	1.7	342
31	Loss of TGF-Î²1 Leads to Increased Neuronal Cell Death and Microgliosis in Mouse Brain. Neuron, 2003, 40, 1133-1145.	3.8	340
32	Expression of Human Apolipoprotein E3 or E4 in the Brains ofApoe^{â^'/â^'}Mice: Isoform-Specific Effects on Neurodegeneration. Journal of Neuroscience, 1999, 19, 4867-4880.	1.7	334
33	Human umbilical cord plasma proteins revitalize hippocampal function in aged mice. Nature, 2017, 544, 488-492.	13.7	317
34	Ageing hallmarks exhibit organ-specific temporal signatures. Nature, 2020, 583, 596-602.	13.7	317
35	Microglial Beclin 1 Regulates Retromer Trafficking and Phagocytosis and Is Impaired in Alzheimerâ€™s Disease. Neuron, 2013, 79, 873-886.	3.8	313
36	Traumatic Brain Injury Imaging in the Second Nearâ€Infrared Window with a Molecular Fluorophore. Advanced Materials, 2016, 28, 6872-6879.	11.1	311

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37	Carboxyl-terminal-truncated apolipoprotein E4 causes Alzheimer's disease-like neurodegeneration and behavioral deficits in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10966-10971.	3.3	306
38	Deficiency in neuronal TGF-Î² signaling promotes neurodegeneration and Alzheimerâ€™s pathology. Journal of Clinical Investigation, 2006, 116, 3060-3069.	3.9	302
39	A human brain vascular atlas reveals diverse mediators of Alzheimerâ€™s risk. Nature, 2022, 603, 885-892.	13.7	294
40	The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans. Science, 2022, 376, eabl4896.	6.0	289
41	CD22 blockade restores homeostatic microglial phagocytosis in ageing brains. Nature, 2019, 568, 187-192.	13.7	283
42	Noninvasive in vivo monitoring of tissue-specific global gene expression in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7361-7366.	3.3	275
43	Aged blood impairs hippocampal neural precursor activity and activates microglia via brain endothelial cell VCAM1. Nature Medicine, 2019, 25, 988-1000.	15.2	260
44	The future of bloodâ€based biomarkers for Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 115-131.	0.4	250
45	Cellular signaling roles of TGFÎ², TNFÎ± and Î²APP in brain injury responses and Alzheimer's disease. Brain Research Reviews, 1997, 23, 47-61.	9.1	244
46	Physiological bloodâ€“brain transport is impaired with age by a shift in transcytosis. Nature, 2020, 583, 425-430.	13.7	243
47	Chronic Overproduction of Transforming Growth Factor-Î²1 by Astrocytes Promotes Alzheimer's Disease-Like Microvascular Degeneration in Transgenic Mice. American Journal of Pathology, 2000, 156, 139-150.	1.9	226
48	Colony-stimulating factor 1 receptor (CSF1R) signaling in injured neurons facilitates protection and survival. Journal of Experimental Medicine, 2013, 210, 157-172.	4.2	206
49	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615.	5.3	202
50	Neural progenitor cells regulate microglia functions and activity. Nature Neuroscience, 2012, 15, 1485-1487.	7.1	193
51	The role of inflammation in age-related disease. Aging, 2013, 5, 84-93.	1.4	189
52	The immunology of neurodegeneration. Journal of Clinical Investigation, 2012, 122, 1156-1163.	3.9	187
53	Angiotensin II sustains brain inflammation in mice via TGF-Î². Journal of Clinical Investigation, 2010, 120, 2782-2794.	3.9	177
54	Astrocyte-Derived TGF-Î²1 Accelerates Disease Progression in ALS Mice by Interfering with the Neuroprotective Functions of Microglia and T Cells. Cell Reports, 2015, 11, 592-604.	2.9	175

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55	Regulation of Amyloid Precursor Protein Processing by the Beclin 1 Complex. PLoS ONE, 2010, 5, e11102.	1.1	175
56	The p75 Neurotrophin Receptor Promotes Amyloid-Î²(1-42)-Induced Neuritic DystrophyIn VitroandIn Vivo. Journal of Neuroscience, 2009, 29, 10627-10637.	1.7	165
57	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. Bioinformatics, 2019, 35, 95-103.	1.8	162
58	Exercise plasma boosts memory and dampens brain inflammation via clusterin. Nature, 2021, 600, 494-499.	13.7	156
59	Astroglial overproduction of TGF-Î²1 enhances inflammatory central nervous system disease in transgenic mice. Journal of Neuroimmunology, 1997, 77, 45-50.	1.1	148
60	All-you-can-eat: autophagy in neurodegeneration and neuroprotection. Molecular Neurodegeneration, 2009, 4, 16.	4.4	143
61	CalFluors: A Universal Motif for Fluorogenic Azide Probes across the Visible Spectrum. Journal of the American Chemical Society, 2015, 137, 7145-7151.	6.6	140
62	TDP-43 frontotemporal lobar degeneration and autoimmune disease. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 956-962.	0.9	137
63	Brain Endothelial Cells Are Exquisite Sensors of Age-Related Circulatory Cues. Cell Reports, 2020, 30, 4418-4432.e4.	2.9	133
64	Collagen VI protects neurons against AÎ² toxicity. Nature Neuroscience, 2009, 12, 119-121.	7.1	129
65	Chronically Increased Transforming Growth Factor-Î²1 Strongly Inhibits Hippocampal Neurogenesis in Aged Mice. American Journal of Pathology, 2006, 169, 154-164.	1.9	124
66	Preclinical Assessment of Young Blood Plasma for Alzheimer Disease. JAMA Neurology, 2016, 73, 1325.	4.5	123
67	Adult hippocampal neural stem and progenitor cells regulate the neurogenic niche by secreting VEGF. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4128-4133.	3.3	120
68	Systemic factors as mediators of brain homeostasis, ageing and neurodegeneration. Nature Reviews Neuroscience, 2020, 21, 93-102.	4.9	120
69	Measuring biological age using omics data. Nature Reviews Genetics, 2022, 23, 715-727.	7.7	117
70	Genes contributing to prion pathogenesis. Journal of General Virology, 2008, 89, 1777-1788.	1.3	116
71	Long-Term Cognitive Impairments and Pathological Alterations in a Mouse Model of Repetitive Mild Traumatic Brain Injury. Frontiers in Neurology, 2014, 5, 12.	1.1	114
72	Astroglial Regulation of Apolipoprotein E Expression in Neuronal Cells. Journal of Biological Chemistry, 2004, 279, 3862-3868.	1.6	108

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73	Glia-dependent TGF-Î² signaling, acting independently of the TH17 pathway, is critical for initiation of murine autoimmune encephalomyelitis. Journal of Clinical Investigation, 2007, 117, 3306-3315.	3.9	108
74	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. Neuron, 2017, 96, 1290-1302.e6.	3.8	107
75	A small molecule p75NTR ligand prevents cognitive deficits and neurite degeneration in an Alzheimer's mouse model. Neurobiology of Aging, 2013, 34, 2052-2063.	1.5	104
76	T cells as antigen-presenting cells. Trends in Immunology, 1994, 15, 312-315.	7.5	103
77	Global Analysis of Smad2/3-Dependent TGF-Î² Signaling in Living Mice Reveals Prominent Tissue-Specific Responses to Injury. Journal of Immunology, 2005, 175, 547-554.	0.4	103
78	Orally administered TGF-Î² is biologically active in the intestinal mucosa and enhances oral tolerance. Journal of Allergy and Clinical Immunology, 2007, 120, 916-923.	1.5	102
79	Microglial complement receptor 3 regulates brain AÎ² levels through secreted proteolytic activity. Journal of Experimental Medicine, 2017, 214, 1081-1092.	4.2	100
80	Highly sensitive and specific bioassay for measuring bioactive TGF-beta. BMC Cell Biology, 2006, 7, 15.	3.0	99
81	Impact of peripheral myeloid cells on amyloid-Î² pathology in Alzheimerâ€™s diseaseâ€“like mice. Journal of Experimental Medicine, 2015, 212, 1811-1818.	4.2	99
82	Young CSF restores oligodendrogenesis and memory in aged mice via Fgf17. Nature, 2022, 605, 509-515.	13.7	98
83	Exercise rejuvenates quiescent skeletal muscle stem cells in old mice through restoration of Cyclin D1. Nature Metabolism, 2020, 2, 307-317.	5.1	97
84	Selective Expansion of Foxp3-Positive Regulatory T Cells and Immunosuppression by Suppressors of Cytokine Signaling 3-Deficient Dendritic Cells. Journal of Immunology, 2007, 179, 2170-2179.	0.4	96
85	CD4 ⁺ T cells contribute to neurodegeneration in Lewy body dementia. Science, 2021, 374, 868-874.	6.0	92
86	The B7 adhesion molecule is expressed on activated human T cells: Functional involvement in T-T cell interactions. European Journal of Immunology, 1993, 23, 2175-2180.	1.6	88
87	Systemic and Acquired Immune Responses in Alzheimer's Disease. International Review of Neurobiology, 2007, 82, 205-233.	0.9	88
88	Systematic review and analysis of human proteomics aging studies unveils a novel proteomic aging clock and identifies key processes that change with age. Ageing Research Reviews, 2020, 60, 101070.	5.0	86
89	ALK5-dependent TGF-Î² signaling is a major determinant of late-stage adult neurogenesis. Nature Neuroscience, 2014, 17, 943-952.	7.1	84
90	Changes of the Enteric Nervous System in Amyloid-Î² Protein Precursor Transgenic Mice Correlate with Disease Progression. Journal of Alzheimer's Disease, 2013, 36, 7-20.	1.2	83

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91	Beclin 1 Complex in Autophagy and Alzheimer Disease. Archives of Neurology, 2010, 67, 1181-4.	4.9	82
92	Complement Receptor 2Is Expressed in Neural Progenitor Cells and Regulates Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2011, 31, 3981-3989.	1.7	82
93	Neurodegeneration and neuroprotection in multiple sclerosis and other neurodegenerative diseases. Journal of Neuroimmunology, 2006, 176, 198-215.	1.1	80
94	Effects of the Absence of Apolipoprotein E on Lipoproteins, Neurocognitive Function, and Retinal Function. JAMA Neurology, 2014, 71, 1228.	4.5	79
95	Thy1â€hAPP^{Lond/Swe+} mouse model of Alzheimer's disease displays broad behavioral deficits in sensorimotor, cognitive and social function. Brain and Behavior, 2012, 2, 142-154.	1.0	78
96	Safety, Tolerability, and Feasibility of Young Plasma Infusion in the Plasma for Alzheimer Symptom Amelioration Study. JAMA Neurology, 2019, 76, 35.	4.5	77
97	TGF-β Pathway as a Potential Target in Neurodegeneration and Alzheimers. Current Alzheimer Research, 2006, 3, 191-195.	0.7	75
98	Bioluminescence imaging of Smad signaling in living mice shows correlation with excitotoxic neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18326-18331.	3.3	75
99	Autoimmunity contributes to nociceptive sensitization in a mouse model of complex regional pain syndrome. Pain, 2014, 155, 2377-2389.	2.0	75
100	Small Molecule p75NTR Ligands Reduce Pathological Phosphorylation and Misfolding of Tau, Inflammatory Changes, Cholinergic Degeneration, and Cognitive Deficits in AÎ²PPL/S Transgenic Mice. Journal of Alzheimer's Disease, 2014, 42, 459-483.	1.2	75
101	APOE Îµ4 worsens hippocampal CA1 apical neuropil atrophy and episodic memory. Neurology, 2014, 82, 691-697.	1.5	75
102	Blood-Borne Revitalization of the Aged Brain. JAMA Neurology, 2015, 72, 1191.	4.5	68
103	GeneTrail 3: advanced high-throughput enrichment analysis. Nucleic Acids Research, 2020, 48, W515-W520.	6.5	67
104	Modelling neuroinflammatory phenotypes in vivo. Journal of Neuroinflammation, 2004, 1, 10.	3.1	66
105	Elimination of the Class A Scavenger Receptor Does Not Affect Amyloid Plaque Formation or Neurodegeneration in Transgenic Mice Expressing Human Amyloid Protein Precursors. American Journal of Pathology, 1999, 155, 1741-1747.	1.9	64
106	Eosinophils regulate adipose tissue inflammation and sustain physical and immunological fitness in old age. Nature Metabolism, 2020, 2, 688-702.	5.1	64
107	Cellular Source of Apolipoprotein E4 Determines Neuronal Susceptibility to Excitotoxic Injury in Transgenic Mice. American Journal of Pathology, 2010, 177, 563-569.	1.9	61
108	Antiviral drug ganciclovir is a potent inhibitor of microglial proliferation and neuroinflammation. Journal of Experimental Medicine, 2014, 211, 189-198.	4.2	61

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109	Data mining of human plasma proteins generates a multitude of highly predictive aging clocks that reflect different aspects of aging. Aging Cell, 2020, 19, e13256.	3.0	61
110	Insights into the Pathogenesis of Hydrocephalus from Transgenic and Experimental Animal Models. Brain Pathology, 2004, 14, 312-316.	2.1	58
111	A Role for TGF-β Signaling in Neurodegeneration: Evidence from Genetically Engineered Models. Current Alzheimer Research, 2006, 3, 505-513.	0.7	58
112	Combined Plasma and Cerebrospinal Fluid Signature for the Prediction of Midterm Progression From Mild Cognitive Impairment to Alzheimer Disease. JAMA Neurology, 2016, 73, 203.	4.5	57
113	Immune cells may fend off Alzheimer disease. Nature Medicine, 2007, 13, 408-409.	15.2	55
114	Autophagy in Dementias. Brain Pathology, 2012, 22, 99-109.	2.1	55
115	Deficiency in Neuronal TGF-Î² Signaling Leads to Nigrostriatal Degeneration and Activation of TGF-Î² Signaling Protects against MPTP Neurotoxicity in Mice. Journal of Neuroscience, 2017, 37, 4584-4592.	1.7	55
116	Ibuprofen, inflammation and Alzheimer disease. Nature Medicine, 2000, 6, 973-974.	15.2	54
117	Bioluminescence in vivo imaging of autoimmune encephalomyelitis predicts disease. Journal of Neuroinflammation, 2008, 5, 6.	3.1	53
118	miRNATissueAtlas2: an update to the human miRNA tissue atlas. Nucleic Acids Research, 2022, 50, D211-D221.	6.5	53
119	Asynchronous, contagious and digital aging. Nature Aging, 2021, 1, 29-35.	5.3	51
120	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. Nature, 2022, 603, 309-314.	13.7	51
121	A revival of parabiosis in biomedical research. Swiss Medical Weekly, 2014, 144, w13914.	0.8	50
122	Blood Protein Signature for the Early Diagnosis of Alzheimer Disease. Archives of Neurology, 2009, 66, 161.	4.9	49
123	The circulatory systemic environment as a modulator of neurogenesis and brain aging. Autoimmunity Reviews, 2013, 12, 674-677.	2.5	48
124	Reduced brain tissue perfusion in TGF-Î²1 transgenic mice showing Alzheimer's disease-like cerebrovascular abnormalities. Neurobiology of Disease, 2005, 19, 38-46.	2.1	47
125	PET Imaging of Translocator Protein (18 kDa) in a Mouse Model of Alzheimer's Disease Using N-(2,5-Dimethoxybenzyl)-2-¹⁸F-Fluoro-N-(2-Phenoxyphenyl)Acetamide. Journal of Nuclear Medicine, 2015, 56, 311-316.	2.8	47
126	Increased T Cell Recruitment to the CNS after Amyloid beta1-42 Immunization in Alzheimer's Mice Overproducing Transforming Growth Factor-beta1. Journal of Neuroscience, 2006, 26, 11437-11441.	1.7	46

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127	Common diseases alter the physiological age-related blood microRNA profile. Nature Communications, 2020, 11, 5958.	5.8	46
128	An oligomeric semiconducting nanozyme with ultrafast electron transfers alleviates acute brain injury. Science Advances, 2021, 7, eabk1210.	4.7	46
129	Treatment of a genetic brain disease by CNS-wide microglia replacement. Science Translational Medicine, 2022, 14, eabl9945.	5.8	45
130	The Role of the Microenvironmental Niche in Declining Stem-Cell Functions Associated with Biological Aging. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a025874.	2.9	41
131	Cell types of origin of the cell-free transcriptome. Nature Biotechnology, 2022, 40, 855-861.	9.4	41
132	Modeling of Pathological Traits in Alzheimer's Disease Based on Systemic Extracellular Signaling Proteome. Molecular and Cellular Proteomics, 2011, 10, M111.008862.	2.5	40
133	Deficiency of a sulfotransferase for sialic acid-modified glycans mitigates Alzheimerâ€™s pathology. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2947-E2954.	3.3	40
134	Heparan Sulfate Subdomains that are Degraded by Sulf Accumulate in Cerebral Amyloid ÃŸ Plaques of Alzheimer's Disease. American Journal of Pathology, 2012, 180, 2056-2067.	1.9	39
135	Antigen-presenting human T cells and antigen-presenting B cells induce a similar cytokine profile in specific T cell clones. European Journal of Immunology, 1993, 23, 3350-3357.	1.6	35
136	Go with your gut: microbiota meet microglia. Nature Neuroscience, 2015, 18, 930-931.	7.1	34
137	Network-driven plasma proteomics expose molecular changes in the Alzheimerâ€™s brain. Molecular Neurodegeneration, 2016, 11, 31.	4.4	34
138	Deficiency of terminal complement pathway inhibitor promotes neuronal tau pathology and degeneration in mice. Journal of Neuroinflammation, 2012, 9, 220.	3.1	33
139	Stem Cells as Vehicles for Youthful Regeneration of Aged Tissues. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, S39-S42.	1.7	32
140	Nuclear pore complex remodeling by p75NTR cleavage controls TGF-Î² signaling and astrocyte functions. Nature Neuroscience, 2015, 18, 1077-1080.	7.1	32
141	A neuronal blood marker is associated with mortality in old age. Nature Aging, 2021, 1, 218-225.	5.3	30
142	Beclin 1 regulates neuronal transforming growth factor-Î² signaling by mediating recycling of the type I receptor ALK5. Molecular Neurodegeneration, 2015, 10, 69.	4.4	28
143	Functional role of TGFÎ² in Alzheimer's disease microvascular injury: lessons from transgenic mice. Neurochemistry International, 2001, 39, 393-400.	1.9	27
144	A cell surface ELISA for the screening of monoclonal antibodies to antigens on viable cells in suspension. Journal of Immunological Methods, 1994, 171, 93-102.	0.6	26

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145	Novel role of human CD4 molecule identified in neurodegeneration. Nature Medicine, 1998, 4, 441-446.	15.2	26
146	Multiple Click-Selective tRNA Synthetases Expand Mammalian Cell-Specific Proteomics. Journal of the American Chemical Society, 2018, 140, 7046-7051.	6.6	26
147	Deep sequencing of sncRNAs reveals hallmarks and regulatory modules of the transcriptome during Parkinsonâ€™s disease progression. Nature Aging, 2021, 1, 309-322.	5.3	26
148	Discrimination of human CD4 T cell clones based on their reactivity with antigen-presenting T cells. European Journal of Immunology, 1992, 22, 2295-2302.	1.6	25
149	Noncytotoxic Human CD4+ T-Cell Clones Presenting and Simultaneously Responding to an Antigen Die of Apoptosis. Cellular Immunology, 1995, 161, 72-78.	1.4	25
150	Chronic over-expression of TGFÎ²1 alters hippocampal structure and causes learning deficits. Hippocampus, 2013, 23, 1198-1211.	0.9	25
151	In vivo assessment of behavioral recovery and circulatory exchange in the peritoneal parabiosis model. Scientific Reports, 2016, 6, 29015.	1.6	25
152	Immunotherapy of cerebrovascular amyloidosis in a transgenic mouse model. Neurobiology of Aging, 2012, 33, 432.e1-432.e13.	1.5	24
153	Sorting Through the Roles of Beclin 1 in Microglia and Neurodegeneration. Journal of NeuroImmune Pharmacology, 2014, 9, 285-292.	2.1	24
154	Nociceptive and Cognitive Changes in a Murine Model of Polytrauma. Journal of Pain, 2018, 19, 1392-1405.	0.7	24
155	Collagenase-based Single Cell Isolation of Primary Murine Brain Endothelial Cells Using Flow Cytometry. Bio-protocol, 2018, 8, .	0.2	24
156	Carrier-mediated uptake and presentation of a major histocompatibility complex class I-restricted peptide. European Journal of Immunology, 1993, 23, 3217-3223.	1.6	23
157	[18F]FSPG-PET reveals increased cystine/glutamate antiporter (xc-) activity in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2018, 15, 55.	3.1	21
158	Proteolytic cleavage of Beclin 1 exacerbates neurodegeneration. Molecular Neurodegeneration, 2018, 13, 68.	4.4	21
159	Use of antibody/peptide constructs to direct antigenic peptides to T cells: Evidence for T cell processing and presentation. Cellular Immunology, 1992, 139, 268-273.	1.4	20
160	A positive allosteric modulator of mGluR5 promotes neuroprotective effects in mouse models of Alzheimer's disease. Neuropharmacology, 2019, 160, 107785.	2.0	18
161	The CD22-IGF2R interaction is a therapeutic target for microglial lysosome dysfunction in Niemann-Pick type C. Science Translational Medicine, 2021, 13, eabg2919.	5.8	18
162	Molecular and Functional Dissection of TGFâ€Î²1â€Induced Cerebrovascular Abnormalities in Transgenic Mice. Annals of the New York Academy of Sciences, 2002, 977, 87-95.	1.8	17

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163	Peripheral B cells repress B-cell regeneration in aging through a TNF-Î±/IGFBP-1/IGF-1 immune-endocrine axis. Blood, 2021, 138, 1817-1829.	0.6	17
164	Papain-based Single Cell Isolation of Primary Murine Brain Endothelial Cells Using Flow Cytometry. Bio-protocol, 2018, 8, .	0.2	17
165	Key signaling pathways regulate the biological activities and accumulation of amyloid-ÃŽÂ². Neurobiology of Aging, 2001, 22, 967-973.	1.5	15
166	Small Molecule TGF-beta Mimetics as Potential Neuroprotective Factors. Current Alzheimer Research, 2005, 2, 183-186.	0.7	15
167	Limited proteolysisâ€“mass spectrometry reveals aging-associated changes in cerebrospinal fluid protein abundances and structures. Nature Aging, 2022, 2, 379-388.	5.3	15
168	Small molecule C381 targets the lysosome to reduce inflammation and ameliorate disease in models of neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121609119.	3.3	14
169	Live imaging of Smad2/3 signaling in mouse skin wound healing. Wound Repair and Regeneration, 2007, 15, 762-766.	1.5	13
170	Methods to investigate intrathecal adaptive immunity in neurodegeneration. Molecular Neurodegeneration, 2021, 16, 3.	4.4	13
171	The Role of Aging in Alzheimerâ€™s Disease. , 2016, , 197-227.		12
172	Genome-wide analysis of common and rare variants via multiple knockoffs at biobank scale, with an application to Alzheimer disease genetics. American Journal of Human Genetics, 2021, 108, 2336-2353.	2.6	12
173	KL1 Domain of Longevity Factor Klotho Mimics the Metabolome of Cognitive Stimulation and Enhances Cognition in Young and Aging Mice. Journal of Neuroscience, 2022, 42, 4016-4025.	1.7	11
174	Bioactive TGFâ€Î²2 can associate with lipoproteins and is enriched in those containing apolipoprotein E3. Journal of Neurochemistry, 2009, 110, 1254-1262.	2.1	10
175	CoolMPS for robust sequencing of single-nuclear RNAs captured by droplet-based method. Nucleic Acids Research, 2021, 49, e11-e11.	6.5	10
176	Improved Sensitization of Antigen-Presenting Cells with Transferrin-Bound Peptides: Advantages in Competition for Antigen Presentation. Cellular Immunology, 1994, 158, 59-70.	1.4	9
177	Transforming Growth Factor-b Signaling Pathway as a Therapeutic Target in Neurodegeneration. Journal of Molecular Neuroscience, 2004, 24, 149-154.	1.1	9
178	Targeting autophagy for disease therapy. Nature Biotechnology, 2013, 31, 322-323.	9.4	9
179	Microgliaâ€”A Wrench in the Running Wheel?. Neuron, 2008, 59, 527-529.	3.8	8
180	Bioluminescence Analysis of Smad-Dependent TGF-Î²2 Signaling in Live Mice. Methods in Molecular Biology, 2009, 574, 193-202.	0.4	8

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181	Killing pain, killing neurons?. Nature Medicine, 2005, 11, 472-473.	15.2	6
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