Daniel C. Anthony

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Transient expression of IL-1Î ² induces acute lung injury and chronic repair leading to pulmonary fibrosis. Journal of Clinical Investigation, 2001, 107, 1529-1536.	8.2	655
2	Glyconanoparticles allow pre-symptomatic in vivo imaging of brain disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18-23.	7.1	497
3	Loss of the tight junction proteins occludin and zonula occludens-1 from cerebral vascular endothelium during neutrophil-induced blood–brain barrier breakdown in vivo. Neuroscience, 1998, 86, 1245-1257.	2.3	329
4	Expanding the diversity of chemical protein modification allows post-translational mimicry. Nature, 2007, 446, 1105-1109.	27.8	298
5	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. Cell, 2020, 180, 833-846.e16.	28.9	292
6	In vivo magnetic resonance imaging of acute brain inflammation using microparticles of iron oxide. Nature Medicine, 2007, 13, 1253-1258.	30.7	275
7	Matrix metalloproteinases, tumor necrosis factor and multiple sclerosis: an overview. Journal of Neuroimmunology, 1997, 72, 155-161.	2.3	254
8	Age-related effects of interleukin-1 beta on polymorphonuclear neutrophil-dependent increases in blood-brain barrier permeability in rats. Brain, 1997, 120, 435-444.	7.6	234
9	Interleukin-1β-Induced Changes in Blood–Brain Barrier Permeability, Apparent Diffusion Coefficient, and Cerebral Blood Volume in the Rat Brain: A Magnetic Resonance Study. Journal of Neuroscience, 2000, 20, 8153-8159.	3.6	216
10	Astrocyte-shed extracellular vesicles regulate the peripheral leukocyte response to inflammatory brain lesions. Science Signaling, 2017, 10, .	3.6	199
11	Reversible Demyelination, Blood-Brain Barrier Breakdown, and Pronounced Neutrophil Recruitment Induced by Chronic IL-1 Expression in the Brain. American Journal of Pathology, 2004, 165, 1827-1837.	3.8	189
12	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1-l² levels in male mice. Brain, Behavior, and Immunity, 2016, 52, 120-131.	4.1	188
13	Matrix metalloproteinase expression in an experimentally-induced DTH model of multiple sclerosis in the rat CNS. Journal of Neuroimmunology, 1998, 87, 62-72.	2.3	179
14	The CRTC1-SIK1 Pathway Regulates Entrainment of the Circadian Clock. Cell, 2013, 154, 1100-1111.	28.9	175
15	Microglial activation, increased TNF and SERT expression in the prefrontal cortex define stress-altered behaviour in mice susceptible to anhedonia. Brain, Behavior, and Immunity, 2013, 29, 136-146.	4.1	169
16	Cytokine-induced Acute Inflammation in the Brain and Spinal Cord. Journal of Neuropathology and Experimental Neurology, 1999, 58, 245-254.	1.7	165
17	CXC chemokines generate age-related increases in neutrophil-mediated brain inflammation and blood–brain barrier breakdown. Current Biology, 1998, 8, 923-927	3.9	156
18	The blood-brain barrier and the inflammatory response. Trends in Molecular Medicine, 1997, 3, 335-341.	2.6	138

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19	Central Nervous System Injury Triggers Hepatic CC and CXC Chemokine Expression that Is Associated with Leukocyte Mobilization and Recruitment to Both the Central Nervous System and the Liver. American Journal of Pathology, 2005, 166, 1487-1497.	3.8	138
20	The acute inflammatory response to intranigral α-synuclein differs significantly from intranigral lipopolysaccharide and is exacerbated by peripheral inflammation. Journal of Neuroinflammation, 2011, 8, 166.	7.2	137
21	T-cell- and macrophage-mediated axon damage in the absence of a CNS-specific immune response: involvement of metalloproteinases. Brain, 2001, 124, 2203-2214.	7.6	133
22	Molecular MRI enables early and sensitive detection of brain metastases. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6674-6679.	7.1	131
23	Detection of Microglial Activation in an Acute Model of Neuroinflammation Using PET and Radiotracers ¹¹ C-(<i>R</i>)-PK11195 and ¹⁸ F-GE-180. Journal of Nuclear Medicine, 2014, 55, 466-472.	5.0	127
24	Inflammatory Cytokines, Angiogenesis, and Fibrosis in the Rat Peritoneum. American Journal of Pathology, 2002, 160, 2285-2294.	3.8	123
25	Neurofilament heavy chain in CSF correlates with relapses and disability in multiple sclerosis. Neurology, 2011, 76, 1206-1213.	1.1	121
26	CINCâ€1 is identified as an acuteâ€phase protein induced by focal brain injury causing leukocyte mobilization and liver injury. FASEB Journal, 2003, 17, 1168-1170.	0.5	118
27	MRI detection of early endothelial activation in brain inflammation. Magnetic Resonance in Medicine, 2004, 51, 248-252.	3.0	115
28	Systemic Inflammatory Response Reactivates Immune-Mediated Lesions in Rat Brain. Journal of Neuroscience, 2009, 29, 4820-4828.	3.6	115
29	Targeting Experimental Autoimmune Encephalomyelitis Lesions to a Predetermined Axonal Tract System Allows for Refined Behavioral Testing in an Animal Model of Multiple Sclerosis. American Journal of Pathology, 2004, 164, 1455-1469.	3.8	106
30	Functional role of endothelial adhesion molecules in the early stages of brain metastasis. Neuro-Oncology, 2014, 16, 540-551.	1.2	100
31	Focal Lesions in the Rat Central Nervous System Induced by Endothelin-1. Journal of Neuropathology and Experimental Neurology, 2003, 62, 1276-1286.	1.7	99
32	Recruitment of Neutrophils across the Blood–Brain Barrier: The Role of E- and P-selectins. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 1115-1124.	4.3	96
33	The systemic response to CNS injury. Experimental Neurology, 2014, 258, 105-111.	4.1	96
34	Learning modulation by endogenous hippocampal ILâ€1: Blockade of endogenous ILâ€1 facilitates memory formation. Hippocampus, 2004, 14, 526-535.	1.9	95
35	Prebiotic attenuation of olanzapine-induced weight gain in rats: analysis of central and peripheral biomarkers and gut microbiota. Translational Psychiatry, 2018, 8, 66.	4.8	91
36	What Do Microglia Really Do in Healthy Adult Brain?. Cells, 2019, 8, 1293.	4.1	91

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37	The Systemic and Local Acute Phase Response following Acute Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 318-326.	4.3	90
38	Low-dose lipopolysaccharide (LPS) inhibits aggressive and augments depressive behaviours in a chronic mild stress model in mice. Journal of Neuroinflammation, 2016, 13, 108.	7.2	90
39	The systemic response to brain injury and disease. Brain, Behavior, and Immunity, 2012, 26, 534-540.	4.1	85
40	Selective Permeabilization of the Blood–Brain Barrier at Sites of Metastasis. Journal of the National Cancer Institute, 2013, 105, 1634-1643.	6.3	81
41	Early Growth Response Gene-2 Is Essential for M1 and M2 Macrophage Activation and Plasticity by Modulation of the Transcription Factor CEBPl². Frontiers in Immunology, 2018, 9, 2515.	4.8	81
42	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. Neurology, 2014, 83, 1492-1499.	1.1	80
43	Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia. Journal of Neuroinflammation, 2014, 11, 203.	7.2	79
44	TNF-alpha reduces cerebral blood volume and disrupts tissue homeostasis via an endothelin- and TNFR2-dependent pathway. Brain, 2002, 125, 2446-2459.	7.6	78
45	Non-neuronal cells in amyotrophic lateral sclerosis — from pathogenesis to biomarkers. Nature Reviews Neurology, 2021, 17, 333-348.	10.1	78
46	A contrast agent recognizing activated platelets reveals murine cerebral malaria pathology undetectable by conventional MRI. Journal of Clinical Investigation, 2008, 118, 1198-207.	8.2	77
47	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. JCI Insight, 2017, 2, .	5.0	75
48	Distinctive binding properties of human monoclonal LGI1 autoantibodies determine pathogenic mechanisms. Brain, 2020, 143, 1731-1745.	7.6	74
49	Molecular Magnetic Resonance Imaging of Acute Vascular Cell Adhesion Molecule-1 Expression in a Mouse Model of Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1178-1187.	4.3	72
50	Increased cortical neuronal responses to NMDA and improved attentional set-shifting performance in rats following prebiotic (B-GOS®) ingestion. European Neuropsychopharmacology, 2018, 28, 211-224.	0.7	72
51	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. Neuroscience and Biobehavioral Reviews, 2020, 118, 331-357.	6.1	70
52	Neonatal prebiotic (BGOS) supplementation increases the levels of synaptophysin, GluN2A-subunits and BDNF proteins in the adult rat hippocampus. Synapse, 2016, 70, 121-124.	1.2	67
53	Differential induction of interleukin-1β and tumour necrosis factor-α may account for specific patterns of leukocyte recruitment in the brain. Brain Research, 2002, 958, 89-99.	2.2	66
54	VCAM″â€ŧargeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. FASEB Journal, 2011, 25, 4415-4422.	0.5	66

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55	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo. Journal of Extracellular Vesicles, 2022, 11, e12151.	12.2	64
56	Liver Kupffer cells control the magnitude of the inflammatory response in the injured brain and spinal cord. Neuropharmacology, 2008, 55, 780-787.	4.1	63
57	Hepatic Nuclear Factor κB Regulates Neutrophil Recruitment to the Injured Brain. Journal of Neuropathology and Experimental Neurology, 2008, 67, 223-230.	1.7	63
58	Potent Fluoroâ€oligosaccharide Probes of Adhesion in <i>Toxoplasmosis</i> . ChemBioChem, 2009, 10, 2522-2529.	2.6	63
59	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. Brain, 2011, 134, 3236-3248.	7.6	62
60	Selenenylsulfide‣inked Homogeneous Glycopeptides and Glycoproteins: Synthesis of Human "Hepatic Se Metaboliteâ€A― Angewandte Chemie - International Edition, 2012, 51, 1432-1436.	13.8	61
61	Tlr4 upregulation in the brain accompanies depression- and anxiety-like behaviors induced by a high-cholesterol diet. Brain, Behavior, and Immunity, 2015, 48, 42-47.	4.1	61
62	Overexpression of IL-1β by adenoviral-mediated gene transfer in the rat brain causes a prolonged hepatic chemokine response, axonal injury and the suppression of spontaneous behaviour. Neurobiology of Disease, 2007, 27, 151-163.	4.4	59
63	Inhibition of peripheral TNF can block the malaise associated with CNS inflammatory diseases. Neurobiology of Disease, 2008, 32, 125-132.	4.4	58
64	In Vivo PET Imaging Demonstrates Diminished Microglial Activation After Fingolimod Treatment in an Animal Model of Multiple Sclerosis. Journal of Nuclear Medicine, 2015, 56, 305-310.	5.0	57
65	Altered chemokine expression in the spinal cord and brain contributes to differential interleukinâ€1βâ€induced neutrophil recruitment. Journal of Neurochemistry, 2002, 83, 432-441.	3.9	56
66	Deuterium content of water increases depression susceptibility: The potential role of a serotonin-related mechanism. Behavioural Brain Research, 2015, 277, 237-244.	2.2	56
67	Cerebrospinal fluid metabolomics implicate bioenergetic adaptation as a neural mechanism regulating shifts in cognitive states of HIV-infected patients. Aids, 2015, 29, 559-569.	2.2	56
68	Immunomodulatory effects of etanercept in a model of brain injury act through attenuation of the acute-phase response. Journal of Neurochemistry, 2007, 103, 2245-2255.	3.9	52
69	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo. Journal of Extracellular Vesicles, 2022, 11, e12190.	12.2	51
70	Exacerbation of Acute Traumatic Brain Injury by Circulating Extracellular Vesicles. Journal of Neurotrauma, 2018, 35, 639-651.	3.4	50
71	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. Nature Communications, 2017, 8, 14254.	12.8	46
72	Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. Behavioral and Brain Functions, 2016, 12, 28.	3.3	45

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73	MRI Reveals That Early Changes in Cerebral Blood Volume Precede Blood–Brain Barrier Breakdown and Overt Pathology in MS-like Lesions in Rat Brain. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 204-216.	4.3	44
74	The role of hemorrhage following spinal-cord injury. Brain Research, 2014, 1569, 9-18.	2.2	43
75	Thiamine and benfotiamine prevent stress-induced suppression of hippocampal neurogenesis in mice exposed to predation without affecting brain thiamine diphosphate levels. Molecular and Cellular Neurosciences, 2017, 82, 126-136.	2.2	43
76	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. Scientific Reports, 2017, 7, 9574.	3.3	43
77	Comparison of MRI signatures in pattern I and II multiple sclerosis models. NMR in Biomedicine, 2009, 22, 1014-1024.	2.8	42
78	Chronic mild stress paradigm as a rat model of depression: facts, artifacts, and future perspectives. Psychopharmacology, 2022, 239, 663-693.	3.1	42
79	Sickness behaviour is induced by a peripheral CXC-chemokine also expressed in Multiple Sclerosis and EAE. Brain, Behavior, and Immunity, 2010, 24, 738-746.	4.1	41
80	Anti–IL-17A Treatment Reduces Clinical Score and VCAM-1 Expression Detected by in Vivo Magnetic Resonance Imaging in Chronic Relapsing EAE ABH Mice. American Journal of Pathology, 2013, 182, 2071-2081.	3.8	41
81	Differential regulation of type I and type II interleukin-1 receptors in focal brain inflammation. European Journal of Neuroscience, 2005, 21, 1205-1214.	2.6	40
82	Postâ€conditioning with lipopolysaccharide reduces the inflammatory infiltrate to the injured brain and spinal cord: a potential neuroprotective treatment. European Journal of Neuroscience, 2005, 22, 2441-2450.	2.6	39
83	Detection of the inhibitory neurotransmitter GABA in macrophages by magnetic resonance spectroscopy. Journal of Leukocyte Biology, 2005, 78, 393-400.	3.3	39
84	Inflammatory responses in the rat brain in response to different methods of intra-cerebral administration. Journal of Neuroimmunology, 2008, 194, 27-33.	2.3	39
85	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. Nature Communications, 2016, 7, 13118.	12.8	39
86	Thiamine and benfotiamine improve cognition and ameliorate GSK-3β-associated stress-induced behaviours in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 75, 148-156.	4.8	39
87	Glial Activation in the Early Stages of Brain Metastasis: TSPO as a Diagnostic Biomarker. Journal of Nuclear Medicine, 2014, 55, 275-280.	5.0	38
88	Platelets mediate protective neuroinflammation and promote neuronal plasticity at the site of neuronal injury. Brain, Behavior, and Immunity, 2018, 74, 7-27.	4.1	38
89	Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics. EBioMedicine, 2022, 76, 103856.	6.1	38
90	Systemic Immune Response to Traumatic CNS Injuries—Are Extracellular Vesicles the Missing Link?. Frontiers in Immunology, 2019, 10, 2723.	4.8	37

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91	Metabolomics in multiple sclerosis disease course and progression. Multiple Sclerosis Journal, 2020, 26, 591-598.	3.0	36
92	Imaging seizure-induced inflammation using an antibody targeted iron oxide contrast agent. NeuroImage, 2012, 60, 1149-1155.	4.2	35
93	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. Acta Neuropathologica Communications, 2017, 5, 95.	5.2	35
94	Plasma Nuclear Magnetic Resonance Metabolomics Discriminates Between High and Low Endoscopic Activity and Predicts Progression in a Prospective Cohort of Patients With Ulcerative Colitis. Journal of Crohn's and Colitis, 2018, 12, 1326-1337.	1.3	35
95	Neuroinflammation and aberrant hippocampal plasticity in a mouse model of emotional stress evoked by exposure to ultrasound of alternating frequencies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 90, 104-116.	4.8	35
96	Loss of the atypical inflammatory response in juvenile and aged rats. Neuropathology and Applied Neurobiology, 2007, 33, 108-20.	3.2	34
97	The contribution of inflammation to acute and chronic neurodegeneration. Research in Immunology, 1998, 149, 721-725.	0.9	33
98	Interleukin-1β exacerbates hypoxia-induced neuronal damage, but attenuates toxicity produced by simulated ischaemia and excitotoxicity in rat organotypic hippocampal slice cultures. Neuroscience Letters, 2001, 305, 29-32.	2.1	32
99	<i>T</i> ₂ -Weighted MRI Detects Presymptomatic Pathology in the SOD1 Mouse Model of ALS. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 785-793.	4.3	32
100	Lasting downregulation of the lipid peroxidation enzymes in the prefrontal cortex of mice susceptible to stress-induced anhedonia. Behavioural Brain Research, 2015, 276, 118-129.	2.2	32
101	MRI and MRS alterations in the preclinical phase of murine prion disease: Association with neuropathological and behavioural changes. Neurobiology of Disease, 2007, 26, 707-717.	4.4	31
102	Endotoxaemia resulting from decreased serotonin tranporter (5-HTT) function: A reciprocal risk factor for depression and insulin resistance?. Behavioural Brain Research, 2015, 276, 111-117.	2.2	31
103	Thiamine and benfotiamine counteract ultrasound-induced aggression, normalize AMPA receptor expression and plasticity markers, and reduce oxidative stress in mice. Neuropharmacology, 2019, 156, 107543.	4.1	31
104	Prefrontal cortex inflammation and liver pathologies accompany cognitive and motor deficits following Western diet consumption in non-obese female mice. Life Sciences, 2020, 241, 117163.	4.3	30
105	Reduction of excitotoxicity and associated leukocyte recruitment by a broadâ€spectrum matrix metalloproteinase inhibitor. Journal of Neurochemistry, 2004, 89, 1378-1386.	3.9	28
106	CNS-targeted glucocorticoid reduces pathology in mouse model of amyotrophic lateral sclerosis. Acta Neuropathologica Communications, 2014, 2, 66.	5.2	28
107	Metabolomic Biomarkers in Blood Samples Identify Cancers in a Mixed Population of Patients with Nonspecific Symptoms. Clinical Cancer Research, 2022, 28, 1651-1661.	7.0	28
108	Study of cytokine induced neuropathology by high resolution proton NMR spectroscopy of rat urine. FEBS Letters, 2004, 568, 49-54.	2.8	27

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109	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. Neural Plasticity, 2017, 2017, 1-14.	2.2	27
110	The Murine Cyp1a1 Gene Is Expressed in a Restricted Spatial and Temporal Pattern during Embryonic Development. Journal of Biological Chemistry, 2005, 280, 5828-5835.	3.4	26
111	TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex. Brain, Behavior, and Immunity, 2019, 82, 279-297.	4.1	26
112	Acute IL-1RA treatment suppresses the peripheral and central inflammatory response to spinal cord injury. Journal of Neuroinflammation, 2021, 18, 15.	7.2	26
113	The differential effects of chronic imipramine or citalopram administration on physiological and behavioral outcomes in naÃ ⁻ ve mice. Behavioural Brain Research, 2013, 245, 101-106.	2.2	23
114	Creation of a gated antibody as a conditionally functional synthetic protein. Nature Communications, 2014, 5, 4388.	12.8	23
115	Rapid neutrophil mobilization by VCAM-1+ endothelial cell-derived extracellular vesicles. Cardiovascular Research, 2023, 119, 236-251.	3.8	22
116	Modifying the maternal microbiota alters the gut–brain metabolome and prevents emotional dysfunction in the adult offspring of obese dams. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22
117	Chemokine targets in acute brain injury and disease. Progress in Brain Research, 2001, 132, 507-524.	1.4	21
118	The role of PPAR activation during the systemic response to brain injury. Journal of Neuroinflammation, 2015, 12, 99.	7.2	21
119	Prebiotic reduction of brain histone deacetylase (HDAC) activity and olanzapine-mediated weight gain in rats, are acetate independent. Neuropharmacology, 2019, 150, 184-191.	4.1	21
120	A Model of Post-Infection Fatigue Is Associated with Increased TNF and 5-HT2A Receptor Expression in Mice. PLoS ONE, 2015, 10, e0130643.	2.5	21
121	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. Biomedicines, 2020, 8, 361.	3.2	20
122	Mom's diet matters: Maternal prebiotic intake in mice reduces anxiety and alters brain gene expression and the fecal microbiome in offspring. Brain, Behavior, and Immunity, 2021, 91, 230-244.	4.1	20
123	Acute Astrocyte Activation in Brain Detected by Mri: New Insights into T1 Hypointensity. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 621-632.	4.3	19
124	Anti-CD20 Disrupts Meningeal B-Cell Aggregates in a Model of Secondary Progressive Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	19
125	The effect of B-cell depletion in the Theiler's model of multiple sclerosis. Journal of the Neurological Sciences, 2015, 359, 40-47.	0.6	18
126	Small-scale environmental enrichment and exercise enhance learning and spatial memory of Carassius auratus, and increase cell proliferation in the telencephalon: an exploratory study. Brazilian Journal of Medical and Biological Research, 2019, 52, e8026.	1.5	17

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127	Classifying the antibody-negative NMO syndromes. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e626.	6.0	17
128	Post-inflammatory behavioural despair in male mice is associated with reduced cortical glutamate-glutamine ratios, and circulating lipid and energy metabolites. Scientific Reports, 2020, 10, 16857.	3.3	17
129	Stress-induced aggression in heterozygous TPH2 mutant mice is associated with alterations in serotonin turnover and expression of 5-HT6 and AMPA subunit 2A receptors. Journal of Affective Disorders, 2020, 272, 440-451.	4.1	17
130	Magnetic Resonance Imaging of Brain Inflammation Using Microparticles of Iron Oxide. Methods in Molecular Biology, 2011, 680, 103-115.	0.9	17
131	Systemic inflammation alters central 5-HT function as determined by pharmacological MRI. NeuroImage, 2013, 75, 177-186.	4.2	16
132	Investigation of immune and CNS-mediated effects of fingolimod in the focal delayed-type hypersensitivity multiple sclerosis model. Neuropharmacology, 2014, 79, 534-541.	4.1	16
133	Anti D20 inhibits T cellâ€mediated pathology and microgliosis in the rat brain. Annals of Clinical and Translational Neurology, 2014, 1, 659-669.	3.7	16
134	Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. Clinical Interventions in Aging, 2015, 10, 1351.	2.9	16
135	Reducing suffering in experimental autoimmune encephalomyelitis (EAE). Journal of Pharmacological and Toxicological Methods, 2013, 67, 169-176.	0.7	14
136	Magnetic Resonance Imaging Reveals Therapeutic Effects of Interferon-Beta on Cytokine-Induced Reactivation of Rat Model of Multiple Sclerosis. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 744-753.	4.3	14
137	NMR-Based Metabolomics Separates the Distinct Stages of Disease in a Chronic Relapsing Model of Multiple Sclerosis. Journal of NeuroImmune Pharmacology, 2015, 10, 435-444.	4.1	14
138	A single administration of the antibiotic, minocycline, reduces fear processing and improves implicit learning in healthy volunteers: analysis of the serum metabolome. Translational Psychiatry, 2020, 10, 148.	4.8	14
139	Integrative biochemical, proteomics and metabolomics cerebrospinal fluid biomarkers predict clinical conversion to multiple sclerosis. Brain Communications, 2021, 3, fcab084.	3.3	14
140	Hippocampal Over-Expression of Cyclooxygenase-2 (COX-2) Is Associated with Susceptibility to Stress-Induced Anhedonia in Mice. International Journal of Molecular Sciences, 2022, 23, 2061.	4.1	14
141	Early Diagnosis of Brain Metastases Using a Biofluids-Metabolomics Approach in Mice. Theranostics, 2016, 6, 2161-2169.	10.0	13
142	The contribution of the acute phase response to the pathogenesis of relapse in chronic-relapsing experimental autoimmune encephalitis models of multiple sclerosis. Journal of Neuroinflammation, 2017, 14, 196.	7.2	13
143	Metabolic, Molecular, and Behavioral Effects of Western Diet in Serotonin Transporter-Deficient Mice: Rescue by Heterozygosity?. Frontiers in Neuroscience, 2020, 14, 24.	2.8	13
144	Impact of vasculature damage on the outcome of spinal cord injury: a novel collagenase-induced model may give new insights into the mechanisms involved. Neural Regeneration Research, 2014, 9, 1783.	3.0	13

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145	Effect of methylprednisolone on the ulceration, matrix metalloproteinase distribution and eicosanoid production in a model of colitis in the rabbit. International Journal of Experimental Pathology, 2003, 78, 411-419.	1.3	12
146	Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. Frontiers in Immunology, 2021, 12, 683026.	4.8	12
147	Nafamostat reduces systemic inflammation in TLR7-mediated virus-like illness. Journal of Neuroinflammation, 2022, 19, 8.	7.2	12
148	Interleukin-6 is increased in plasma and cerebrospinal fluid of community-dwelling domestic dogs with acute ischaemic stroke. NeuroReport, 2017, 28, 134-140.	1.2	11
149	Enhanced conditioning of adverse memories in the mouse modified swim test is associated with neuroinflammatory changes $\hat{a} \in$ Effects that are susceptible to antidepressants. Neurobiology of Learning and Memory, 2020, 172, 107227.	1.9	11
150	Special issue commentary: The changing face of inflammation in the brain. Molecular and Cellular Neurosciences, 2013, 53, 1-5.	2.2	10
151	Reducing suffering in animal models and procedures involving seizures, convulsions and epilepsy. Journal of Pharmacological and Toxicological Methods, 2013, 67, 9-15.	0.7	10
152	In vivo behaviour of glyco-Nal@SWCNT â€~nanobottles'. Inorganica Chimica Acta, 2019, 495, 118933.	2.4	10
153	Altered behaviour, dopamine and norepinephrine regulation in stressed mice heterozygous in TPH2 gene. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110155.	4.8	10
154	Stroke: A double-edged sword for cleaving clots?. Current Biology, 1998, 8, R274-R277.	3.9	9
155	Antibodyâ€enhanced dengue disease generates a marked CNS inflammatory response in the blackâ€ŧufted marmoset <i>Callithrix penicillata</i> . Neuropathology, 2016, 36, 3-16.	1.2	9
156	Extracellular vesicle integrins act as a nexus for platelet adhesion in cerebral microvessels. Scientific Reports, 2019, 9, 15847.	3.3	9
157	Effects of 50 Hz magnetic fields on circadian rhythm control in mice. Bioelectromagnetics, 2019, 40, 250-259.	1.6	9
158	ASD-like behaviors, a dysregulated inflammatory response and decreased expression of PLP1 characterize mice deficient for sialyltransferase ST3GAL5. Brain, Behavior, & Immunity - Health, 2021, 16, 100306.	2.5	9
159	Objective biomarkers for clinical relapse in multiple sclerosis: a metabolomics approach. Brain Communications, 2021, 3, fcab240.	3.3	9
160	Modulation of human neutrophil function by fibronectin degradation products isolated from cryoglobulins. Inflammation, 1992, 16, 325-341.	3.8	8
161	Age and Environment Influences on Mouse Prion Disease Progression: Behavioral Changes and Morphometry and Stereology of Hippocampal Astrocytes. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-18.	4.0	8
162	The subtleties of cognitive decline in multiple sclerosis: an exploratory study using hierarchichal cluster analysis of CANTAB results. BMC Neurology, 2018, 18, 140.	1.8	8

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163	A blood-based metabolomics test to distinguish relapsing–remitting and secondary progressive multiple sclerosis: addressing practical considerations for clinical application. Scientific Reports, 2020, 10, 12381.	3.3	8
164	Protease expression in experimental colitis. Agents and Actions, 1994, 41, C201-C203.	0.7	7
165	Stereological Analysis of Early Gene Expression Using Egr-1 Immunolabeling After Spreading Depression in the Rat Somatosensory Cortex. Frontiers in Neuroscience, 2019, 13, 1020.	2.8	7
166	Postnatal prebiotic supplementation in rats affects adult anxious behaviour, hippocampus, electrophysiology, metabolomics, and gut microbiota. IScience, 2021, 24, 103113.	4.1	7
167	Dimethyl fumarate decreases short-term but not long-term inflammation in a focal EAE model of neuroinflammation. EJNMMI Research, 2022, 12, 6.	2.5	7
168	Hierarchical Cluster Analysis of Three-Dimensional Reconstructions of Unbiased Sampled Microglia Shows not Continuous Morphological Changes from Stage 1 to 2 after Multiple Dengue Infections in Callithrix penicillata. Frontiers in Neuroanatomy, 2016, 10, 23.	1.7	6
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