

Daniel C. Anthony

List of Publications by Citations

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189
papers

8,743
citations

52
h-index

88
g-index

216
ext. papers

10,122
ext. citations

7.5
avg, IF

5.83
L-index

#	Paper	IF	Citations
189	Transient expression of IL-1beta induces acute lung injury and chronic repair leading to pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1529-36	15.9	543
188	Glyconanoparticles allow pre-symptomatic in vivo imaging of brain disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18-23	11.5	435
187	Loss of the tight junction proteins occludin and zonula occludens-1 from cerebral vascular endothelium during neutrophil-induced blood-brain barrier breakdown in vivo. <i>Neuroscience</i> , 1998 , 86, 1245-57	3.9	297
186	Expanding the diversity of chemical protein modification allows post-translational mimicry. <i>Nature</i> , 2007 , 446, 1105-9	50.4	274
185	In vivo magnetic resonance imaging of acute brain inflammation using microparticles of iron oxide. <i>Nature Medicine</i> , 2007 , 13, 1253-8	50.5	243
184	Matrix metalloproteinases, tumor necrosis factor and multiple sclerosis: an overview. <i>Journal of Neuroimmunology</i> , 1997 , 72, 155-61	3.5	236
183	Age-related effects of interleukin-1 beta on polymorphonuclear neutrophil-dependent increases in blood-brain barrier permeability in rats. <i>Brain</i> , 1997 , 120 (Pt 3), 435-44	11.2	212
182	Interleukin-1beta -induced changes in blood-brain barrier permeability, apparent diffusion coefficient, and cerebral blood volume in the rat brain: a magnetic resonance study. <i>Journal of Neuroscience</i> , 2000 , 20, 8153-9	6.6	192
181	Reversible demyelination, blood-brain barrier breakdown, and pronounced neutrophil recruitment induced by chronic IL-1 expression in the brain. <i>American Journal of Pathology</i> , 2004 , 165, 1827-37	5.8	166
180	Matrix metalloproteinase expression in an experimentally-induced DTH model of multiple sclerosis in the rat CNS. <i>Journal of Neuroimmunology</i> , 1998 , 87, 62-72	3.5	161
179	Cytokine-induced acute inflammation in the brain and spinal cord. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999 , 58, 245-54	3.1	148
178	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1- β levels in male mice. <i>Brain, Behavior, and Immunity</i> , 2016 , 52, 120-131	16.6	145
177	CXC chemokines generate age-related increases in neutrophil-mediated brain inflammation and blood-brain barrier breakdown. <i>Current Biology</i> , 1998 , 8, 923-6	6.3	142
176	Microglial activation, increased TNF and SERT expression in the prefrontal cortex define stress-altered behaviour in mice susceptible to anhedonia. <i>Brain, Behavior, and Immunity</i> , 2013 , 29, 136-146	16.6	139
175	Astrocyte-shed extracellular vesicles regulate the peripheral leukocyte response to inflammatory brain lesions. <i>Science Signaling</i> , 2017 , 10,	8.8	130
174	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. <i>Cell</i> , 2020 , 180, 833-846.e16	56.2	125
173	The CRTCL-SIK1 pathway regulates entrainment of the circadian clock. <i>Cell</i> , 2013 , 154, 1100-1111	56.2	125

172	The blood-brain barrier and the inflammatory response. <i>Trends in Molecular Medicine</i> , 1997 , 3, 335-41		122
171	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. <i>American Journal of Pathology</i> , 2005 , 166, 1487-97	5.8	120
170	Molecular MRI enables early and sensitive detection of brain metastases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6674-9	11.5	119
169	The acute inflammatory response to intranigral β -synuclein differs significantly from intranigral lipopolysaccharide and is exacerbated by peripheral inflammation. <i>Journal of Neuroinflammation</i> , 2011 , 8, 166	10.1	118
168	T-cell- and macrophage-mediated axon damage in the absence of a CNS-specific immune response: involvement of metalloproteinases. <i>Brain</i> , 2001 , 124, 2203-14	11.2	113
167	Inflammatory cytokines, angiogenesis, and fibrosis in the rat peritoneum. <i>American Journal of Pathology</i> , 2002 , 160, 2285-94	5.8	112
166	Detection of microglial activation in an acute model of neuroinflammation using PET and radiotracers 11C-(R)-PK11195 and 18F-GE-180. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 466-72	8.9	110
165	CINC-1 is an acute-phase protein induced by focal brain injury causing leukocyte mobilization and liver injury. <i>FASEB Journal</i> , 2003 , 17, 1168-70	0.9	105
164	MRI detection of early endothelial activation in brain inflammation. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 248-52	4.4	104
163	Systemic inflammatory response reactivates immune-mediated lesions in rat brain. <i>Journal of Neuroscience</i> , 2009 , 29, 4820-8	6.6	103
162	Neurofilament heavy chain in CSF correlates with relapses and disability in multiple sclerosis. <i>Neurology</i> , 2011 , 76, 1206-13	6.5	95
161	Targeting experimental autoimmune encephalomyelitis lesions to a predetermined axonal tract system allows for refined behavioral testing in an animal model of multiple sclerosis. <i>American Journal of Pathology</i> , 2004 , 164, 1455-69	5.8	94
160	Focal lesions in the rat central nervous system induced by endothelin-1. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003 , 62, 1276-86	3.1	92
159	Learning modulation by endogenous hippocampal IL-1: blockade of endogenous IL-1 facilitates memory formation. <i>Hippocampus</i> , 2004 , 14, 526-35	3.5	84
158	Recruitment of neutrophils across the blood-brain barrier: the role of E- and P-selectins. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 1115-24	7.3	82
157	The systemic and local acute phase response following acute brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 318-26	7.3	76
156	The systemic response to brain injury and disease. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 534-40	16.6	71
155	The systemic response to CNS injury. <i>Experimental Neurology</i> , 2014 , 258, 105-11	5.7	70

154	Functional role of endothelial adhesion molecules in the early stages of brain metastasis. <i>Neuro-Oncology</i> , 2014 , 16, 540-51	1	68
153	TNF-alpha reduces cerebral blood volume and disrupts tissue homeostasis via an endothelin- and TNFR2-dependent pathway. <i>Brain</i> , 2002 , 125, 2446-59	11.2	68
152	Prebiotic attenuation of olanzapine-induced weight gain in rats: analysis of central and peripheral biomarkers and gut microbiota. <i>Translational Psychiatry</i> , 2018 , 8, 66	8.6	66
151	A contrast agent recognizing activated platelets reveals murine cerebral malaria pathology undetectable by conventional MRI. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1198-207	15.9	65
150	Molecular magnetic resonance imaging of acute vascular cell adhesion molecule-1 expression in a mouse model of cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1178-87	7.3	63
149	Selective permeabilization of the blood-brain barrier at sites of metastasis. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 1634-43	9.7	62
148	Differential induction of interleukin-1beta and tumour necrosis factor-alpha may account for specific patterns of leukocyte recruitment in the brain. <i>Brain Research</i> , 2002 , 958, 89-99	3.7	61
147	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. <i>Neurology</i> , 2014 , 83, 1492-9	6.5	60
146	Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2014 , 11, 203	10.1	60
145	Low-dose lipopolysaccharide (LPS) inhibits aggressive and augments depressive behaviours in a chronic mild stress model in mice. <i>Journal of Neuroinflammation</i> , 2016 , 13, 108	10.1	60
144	Potent fluoro-oligosaccharide probes of adhesion in Toxoplasmosis. <i>ChemBioChem</i> , 2009 , 10, 2522-9	3.8	59
143	Neonatal prebiotic (BGOS) supplementation increases the levels of synaptophysin, GluN2A-subunits and BDNF proteins in the adult rat hippocampus. <i>Synapse</i> , 2016 , 70, 121-4	2.4	58
142	VCAM-1-targeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. <i>FASEB Journal</i> , 2011 , 25, 4415-22	0.9	58
141	Inhibition of peripheral TNF can block the malaise associated with CNS inflammatory diseases. <i>Neurobiology of Disease</i> , 2008 , 32, 125-32	7.5	56
140	Overexpression of IL-1beta by adenoviral-mediated gene transfer in the rat brain causes a prolonged hepatic chemokine response, axonal injury and the suppression of spontaneous behaviour. <i>Neurobiology of Disease</i> , 2007 , 27, 151-63	7.5	55
139	In vivo PET imaging demonstrates diminished microglial activation after fingolimod treatment in an animal model of multiple sclerosis. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 305-10	8.9	54
138	Hepatic nuclear factor kappa B regulates neutrophil recruitment to the injured brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008 , 67, 223-30	3.1	54
137	Altered chemokine expression in the spinal cord and brain contributes to differential interleukin-1beta-induced neutrophil recruitment. <i>Journal of Neurochemistry</i> , 2002 , 83, 432-41	6	52

136	Increased cortical neuronal responses to NMDA and improved attentional set-shifting performance in rats following prebiotic (B-GOS) ingestion. <i>European Neuropsychopharmacology</i> , 2018 , 28, 211-224	1.2	50
135	Selenenylsulfide-linked homogeneous glycopeptides and glycoproteins: synthesis of human "hepatic Se metabolite A". <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1432-6	16.4	49
134	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. <i>Brain</i> , 2011 , 134, 3236-48	11.2	49
133	Liver Kupffer cells control the magnitude of the inflammatory response in the injured brain and spinal cord. <i>Neuropharmacology</i> , 2008 , 55, 780-7	5.5	49
132	Immunomodulatory effects of etanercept in a model of brain injury act through attenuation of the acute-phase response. <i>Journal of Neurochemistry</i> , 2007 , 103, 2245-55	6	48
131	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. <i>JCI Insight</i> , 2017 , 2,	9.9	46
130	Tlr4 upregulation in the brain accompanies depression- and anxiety-like behaviors induced by a high-cholesterol diet. <i>Brain, Behavior, and Immunity</i> , 2015 , 48, 42-7	16.6	45
129	Cerebrospinal fluid metabolomics implicate bioenergetic adaptation as a neural mechanism regulating shifts in cognitive states of HIV-infected patients. <i>Aids</i> , 2015 , 29, 559-69	3.5	44
128	Deuterium content of water increases depression susceptibility: the potential role of a serotonin-related mechanism. <i>Behavioural Brain Research</i> , 2015 , 277, 237-44	3.4	44
127	What Do Microglia Really Do in Healthy Adult Brain?. <i>Cells</i> , 2019 , 8,	7.9	43
126	Early Growth Response Gene-2 Is Essential for M1 and M2 Macrophage Activation and Plasticity by Modulation of the Transcription Factor CEBP β . <i>Frontiers in Immunology</i> , 2018 , 9, 2515	8.4	41
125	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , 2017 , 8, 14254	17.4	36
124	Sickness behaviour is induced by a peripheral CXC-chemokine also expressed in multiple sclerosis and EAE. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 738-46	16.6	36
123	Differential regulation of type I and type II interleukin-1 receptors in focal brain inflammation. <i>European Journal of Neuroscience</i> , 2005 , 21, 1205-14	3.5	35
122	MRI reveals that early changes in cerebral blood volume precede blood-brain barrier breakdown and overt pathology in MS-like lesions in rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 204-16	7.3	35
121	Post-conditioning with lipopolysaccharide reduces the inflammatory infiltrate to the injured brain and spinal cord: a potential neuroprotective treatment. <i>European Journal of Neuroscience</i> , 2005 , 22, 2441-50	3.5	34
120	Distinctive binding properties of human monoclonal LGI1 autoantibodies determine pathogenic mechanisms. <i>Brain</i> , 2020 , 143, 1731-1745	11.2	33
119	Detection of the inhibitory neurotransmitter GABA in macrophages by magnetic resonance spectroscopy. <i>Journal of Leukocyte Biology</i> , 2005 , 78, 393-400	6.5	33

118	Imaging seizure-induced inflammation using an antibody targeted iron oxide contrast agent. <i>NeuroImage</i> , 2012 , 60, 1149-55	7.9	32
117	Comparison of MRI signatures in pattern I and II multiple sclerosis models. <i>NMR in Biomedicine</i> , 2009 , 22, 1014-24	4.4	31
116	Inflammatory responses in the rat brain in response to different methods of intra-cerebral administration. <i>Journal of Neuroimmunology</i> , 2008 , 194, 27-33	3.5	31
115	Exacerbation of Acute Traumatic Brain Injury by Circulating Extracellular Vesicles. <i>Journal of Neurotrauma</i> , 2018 , 35, 639-651	5.4	31
114	Glial activation in the early stages of brain metastasis: TSPO as a diagnostic biomarker. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 275-80	8.9	30
113	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. <i>Scientific Reports</i> , 2017 , 7, 9574	4.9	30
112	Thiamine and benfotiamine improve cognition and ameliorate GSK-3 β -associated stress-induced behaviours in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 75, 148-156	5.5	30
111	The contribution of inflammation to acute and chronic neurodegeneration. <i>Research in Immunology</i> , 1998 , 149, 721-5		30
110	Interleukin-1 β exacerbates hypoxia-induced neuronal damage, but attenuates toxicity produced by simulated ischaemia and excitotoxicity in rat organotypic hippocampal slice cultures. <i>Neuroscience Letters</i> , 2001 , 305, 29-32	3.3	30
109	MRI and MRS alterations in the preclinical phase of murine prion disease: association with neuropathological and behavioural changes. <i>Neurobiology of Disease</i> , 2007 , 26, 707-17	7.5	29
108	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 118, 331-357	9	29
107	The role of hemorrhage following spinal-cord injury. <i>Brain Research</i> , 2014 , 1569, 9-18	3.7	28
106	Anti-IL-17A treatment reduces clinical score and VCAM-1 expression detected by in vivo magnetic resonance imaging in chronic relapsing EAE ABH mice. <i>American Journal of Pathology</i> , 2013 , 182, 2071-81	5.8	28
105	T 2 -weighted MRI detects presymptomatic pathology in the SOD1 mouse model of ALS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 785-93	7.3	28
104	Loss of the atypical inflammatory response in juvenile and aged rats. <i>Neuropathology and Applied Neurobiology</i> , 2007 , 33, 108-20	5.2	28
103	Thiamine and benfotiamine prevent stress-induced suppression of hippocampal neurogenesis in mice exposed to predation without affecting brain thiamine diphosphate levels. <i>Molecular and Cellular Neurosciences</i> , 2017 , 82, 126-136	4.8	27
102	Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. <i>Behavioral and Brain Functions</i> , 2016 , 12, 28	4.1	27
101	Reduction of excitotoxicity and associated leukocyte recruitment by a broad-spectrum matrix metalloproteinase inhibitor. <i>Journal of Neurochemistry</i> , 2004 , 89, 1378-86	6	27

100	Lasting downregulation of the lipid peroxidation enzymes in the prefrontal cortex of mice susceptible to stress-induced anhedonia. <i>Behavioural Brain Research</i> , 2015 , 276, 118-29	3.4	24
99	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. <i>Acta Neuropathologica Communications</i> , 2017 , 5, 95	7.3	24
98	Study of cytokine induced neuropathology by high resolution proton NMR spectroscopy of rat urine. <i>FEBS Letters</i> , 2004 , 568, 49-54	3.8	24
97	The murine Cyp1a1 gene is expressed in a restricted spatial and temporal pattern during embryonic development. <i>Journal of Biological Chemistry</i> , 2005 , 280, 5828-35	5.4	24
96	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. <i>Nature Communications</i> , 2016 , 7, 13118	17.4	23
95	Platelets mediate protective neuroinflammation and promote neuronal plasticity at the site of neuronal injury. <i>Brain, Behavior, and Immunity</i> , 2018 , 74, 7-27	16.6	23
94	Endotoxaemia resulting from decreased serotonin transporter (5-HTT) function: a reciprocal risk factor for depression and insulin resistance?. <i>Behavioural Brain Research</i> , 2015 , 276, 111-7	3.4	22
93	The differential effects of chronic imipramine or citalopram administration on physiological and behavioral outcomes in naïve mice. <i>Behavioural Brain Research</i> , 2013 , 245, 101-6	3.4	20
92	Neuroinflammation and aberrant hippocampal plasticity in a mouse model of emotional stress evoked by exposure to ultrasound of alternating frequencies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 90, 104-116	5.5	20
91	Chemokine targets in acute brain injury and disease. <i>Progress in Brain Research</i> , 2001 , 132, 507-24	2.9	19
90	Plasma Nuclear Magnetic Resonance Metabolomics Discriminates Between High and Low Endoscopic Activity and Predicts Progression in a Prospective Cohort of Patients With Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2018 , 12, 1326-1337	1.5	18
89	CNS-targeted glucocorticoid reduces pathology in mouse model of amyotrophic lateral sclerosis. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 66	7.3	18
88	Acute astrocyte activation in brain detected by MRI: new insights into T(1) hypointensity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 621-32	7.3	18
87	Thiamine and benfotiamine counteract ultrasound-induced aggression, normalize AMPA receptor expression and plasticity markers, and reduce oxidative stress in mice. <i>Neuropharmacology</i> , 2019 , 156, 107543	5.5	17
86	The role of PPAR activation during the systemic response to brain injury. <i>Journal of Neuroinflammation</i> , 2015 , 12, 99	10.1	17
85	Prefrontal cortex inflammation and liver pathologies accompany cognitive and motor deficits following Western diet consumption in non-obese female mice. <i>Life Sciences</i> , 2020 , 241, 117163	6.8	16
84	Systemic Immune Response to Traumatic CNS Injuries-Are Extracellular Vesicles the Missing Link?. <i>Frontiers in Immunology</i> , 2019 , 10, 2723	8.4	16
83	TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex. <i>Brain, Behavior, and Immunity</i> , 2019 , 82, 279-297	16.6	15

82	Creation of a gated antibody as a conditionally functional synthetic protein. <i>Nature Communications</i> , 2014 , 5, 4388	17.4	15
81	A Model of Post-Infection Fatigue Is Associated with Increased TNF and 5-HT2A Receptor Expression in Mice. <i>PLoS ONE</i> , 2015 , 10, e0130643	3.7	15
80	Magnetic resonance imaging of brain inflammation using microparticles of iron oxide. <i>Methods in Molecular Biology</i> , 2011 , 680, 103-15	1.4	15
79	Non-neuronal cells in amyotrophic lateral sclerosis - from pathogenesis to biomarkers. <i>Nature Reviews Neurology</i> , 2021 , 17, 333-348	15	15
78	Prebiotic reduction of brain histone deacetylase (HDAC) activity and olanzapine-mediated weight gain in rats, are acetate independent. <i>Neuropharmacology</i> , 2019 , 150, 184-191	5.5	15
77	Metabolomics in multiple sclerosis disease course and progression. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 591-598	5	14
76	Systemic inflammation alters central 5-HT function as determined by pharmacological MRI. <i>NeuroImage</i> , 2013 , 75, 177-186	7.9	14
75	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. <i>Neural Plasticity</i> , 2017 , 2017, 9498247	3.3	14
74	Investigation of immune and CNS-mediated effects of fingolimod in the focal delayed-type hypersensitivity multiple sclerosis model. <i>Neuropharmacology</i> , 2014 , 79, 534-41	5.5	14
73	Selenenylsulfide-Linked Homogeneous Glycopeptides and Glycoproteins: Synthesis of Human Hepatic Se Metabolite A. <i>Angewandte Chemie</i> , 2012 , 124, 1461-1465	3.6	14
72	Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. <i>Clinical Interventions in Aging</i> , 2015 , 10, 1351-9	4	13
71	NMR-Based Metabolomics Separates the Distinct Stages of Disease in a Chronic Relapsing Model of Multiple Sclerosis. <i>Journal of NeuroImmune Pharmacology</i> , 2015 , 10, 435-44	6.9	12
70	The effect of B-cell depletion in the Theiler's model of multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2015 , 359, 40-7	3.2	12
69	Effect of methylprednisolone on the ulceration, matrix metalloproteinase distribution and eicosanoid production in a model of colitis in the rabbit. <i>International Journal of Experimental Pathology</i> , 1997 , 78, 411-9	2.8	12
68	The contribution of the acute phase response to the pathogenesis of relapse in chronic-relapsing experimental autoimmune encephalitis models of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2017 , 14, 196	10.1	11
67	Anti-CD20 inhibits T cell-mediated pathology and microgliosis in the rat brain. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 659-69	5.3	11
66	Reducing suffering in experimental autoimmune encephalomyelitis (EAE). <i>Journal of Pharmacological and Toxicological Methods</i> , 2013 , 67, 169-76	1.7	11
65	Magnetic resonance imaging reveals therapeutic effects of interferon-beta on cytokine-induced reactivation of rat model of multiple sclerosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 744-53	7.3	11

64	Impact of vasculature damage on the outcome of spinal cord injury: a novel collagenase-induced model may give new insights into the mechanisms involved. <i>Neural Regeneration Research</i> , 2014 , 9, 1783-1796	4.5	10
63	Early Diagnosis of Brain Metastases Using a Biofluids-Metabolomics Approach in Mice. <i>Theranostics</i> , 2016 , 6, 2161-2169	12.1	10
62	Special issue commentary: the changing face of inflammation in the brain. <i>Molecular and Cellular Neurosciences</i> , 2013 , 53, 1-5	4.8	9
61	Reducing suffering in animal models and procedures involving seizures, convulsions and epilepsy. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013 , 67, 9-15	1.7	9
60	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. <i>Biomedicines</i> , 2020 , 8,	4.8	9
59	Classifying the antibody-negative NMO syndromes: Clinical, imaging, and metabolomic modeling. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6, e626	9.1	9
58	Effects of 50 Hz magnetic fields on circadian rhythm control in mice. <i>Bioelectromagnetics</i> , 2019 , 40, 250-259	1.7	8
57	In vivo behaviour of glyco-Nal@SWCNT nanobottles. <i>Inorganica Chimica Acta</i> , 2019 , 495, 118933	2.7	8
56	Interleukin-6 is increased in plasma and cerebrospinal fluid of community-dwelling domestic dogs with acute ischaemic stroke. <i>NeuroReport</i> , 2017 , 28, 134-140	1.7	8
55	Stroke: a double-edged sword for cleaving clots?. <i>Current Biology</i> , 1998 , 8, R274-7	6.3	8
54	Modulation of human neutrophil function by fibronectin degradation products isolated from cryoglobulins. <i>Inflammation</i> , 1992 , 16, 325-41	5.1	8
53	Post-inflammatory behavioural despair in male mice is associated with reduced cortical glutamate-glutamine ratios, and circulating lipid and energy metabolites. <i>Scientific Reports</i> , 2020 , 10, 16857	4.9	8
52	Antibody-enhanced dengue disease generates a marked CNS inflammatory response in the black-tufted marmoset <i>Callithrix penicillata</i> . <i>Neuropathology</i> , 2016 , 36, 3-16	2	8
51	Acute IL-1RA treatment suppresses the peripheral and central inflammatory response to spinal cord injury. <i>Journal of Neuroinflammation</i> , 2021 , 18, 15	10.1	8
50	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. <i>Journal of Affective Disorders</i> , 2020 , 272, 440-451	6.6	7
49	Protease expression in experimental colitis. <i>Agents and Actions</i> , 1994 , 41, C201-C203		7
48	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo: Part I: Health and Normal Physiology: Part I: Health and Normal Physiology.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12151	16.4	7
47	Integrative biochemical, proteomics and metabolomics cerebrospinal fluid biomarkers predict clinical conversion to multiple sclerosis. <i>Brain Communications</i> , 2021 , 3, Fcab084	4.5	7

46	Mom's diet matters: Maternal prebiotic intake in mice reduces anxiety and alters brain gene expression and the fecal microbiome in offspring. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 230-244	16.6	7
45	A single administration of the antibiotic, minocycline, reduces fear processing and improves implicit learning in healthy volunteers: analysis of the serum metabolome. <i>Translational Psychiatry</i> , 2020 , 10, 148	8.6	6
44	Extracellular vesicle integrins act as a nexus for platelet adhesion in cerebral microvessels. <i>Scientific Reports</i> , 2019 , 9, 15847	4.9	6
43	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo: Part II: Pathology: Part II: Pathology.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12190	16.4	6
42	Metabolic, Molecular, and Behavioral Effects of Western Diet in Serotonin Transporter-Deficient Mice: Rescue by Heterozygosity?. <i>Frontiers in Neuroscience</i> , 2020 , 14, 24	5.1	5
41	Age and Environment Influences on Mouse Prion Disease Progression: Behavioral Changes and Morphometry and Stereology of Hippocampal Astrocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4504925	6.7	5
40	Molecular MRI approaches to the detection of CNS inflammation. <i>Methods in Molecular Biology</i> , 2011 , 711, 379-96	1.4	5
39	Anti-CD20 Disrupts Meningeal B-Cell Aggregates in a Model of Secondary Progressive Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	5
38	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 <i>Callithrix penicillata</i> . <i>Frontiers in Neuroanatomy</i> , 2016 , 10, 23	3.6	5
37	Enhanced conditioning of adverse memories in the mouse modified swim test is associated with neuroinflammatory changes - Effects that are susceptible to antidepressants. <i>Neurobiology of Learning and Memory</i> , 2020 , 172, 107227	3.1	5
36	The subtleties of cognitive decline in multiple sclerosis: an exploratory study using hierarchical cluster analysis of CANTAB results. <i>BMC Neurology</i> , 2018 , 18, 140	3.1	5
35	Cessation of anti-VLA-4 therapy in a focal rat model of multiple sclerosis causes an increase in neuroinflammation. <i>EJNMMI Research</i> , 2019 , 9, 38	3.6	4
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