

# Daniel C. Anthony

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

11,337  
citations

23500

58  
h-index

34900

98  
g-index

216  
all docs

216  
docs citations

216  
times ranked

14855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient expression of IL-1 $\beta$ induces acute lung injury and chronic repair leading to pulmonary fibrosis. <i>Journal of Clinical Investigation</i> , 2001, 107, 1529-1536.	3.9	655
2	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.	3.3	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. <i>Neuroscience</i> , 1998, 86, 1245-1257.	1.1	329
4	Expanding the diversity of chemical protein modification allows post-translational mimicry. <i>Nature</i> , 2007, 446, 1105-1109.	13.7	298
5	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. <i>Cell</i> , 2020, 180, 833-846.e16.	13.5	292
6	In vivo magnetic resonance imaging of acute brain inflammation using microparticles of iron oxide. <i>Nature Medicine</i> , 2007, 13, 1253-1258.	15.2	275
7	Matrix metalloproteinases, tumor necrosis factor and multiple sclerosis: an overview. <i>Journal of Neuroimmunology</i> , 1997, 72, 155-161.	1.1	254
8	Age-related effects of interleukin-1 beta on polymorphonuclear neutrophil-dependent increases in blood-brain barrier permeability in rats. <i>Brain</i> , 1997, 120, 435-444.	3.7	234
9	Interleukin-1 $\beta$ -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, 8153-8159.	1.7	216
10	Astrocyte-shed extracellular vesicles regulate the peripheral leukocyte response to inflammatory brain lesions. <i>Science Signaling</i> , 2017, 10, .	1.6	199
11	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, 1827-1837.	1.9	189
12	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT <sub>2A</sub> receptor and IL-1 $\beta$ levels in male mice. <i>Brain, Behavior, and Immunity</i> , 2016, 52, 120-131.	2.0	188
13	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.	1.1	179
14	The CRTC1-SIK1 Pathway Regulates Entrainment of the Circadian Clock. <i>Cell</i> , 2013, 154, 1100-1111.	13.5	175
15	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.	2.0	169
16	Cytokine-induced Acute Inflammation in the Brain and Spinal Cord. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 245-254.	0.9	165
17	CXC chemokines generate age-related increases in neutrophil-mediated brain inflammation and blood-brain barrier breakdown. <i>Current Biology</i> , 1998, 8, 923-927.	1.8	156
18	The blood-brain barrier and the inflammatory response. <i>Trends in Molecular Medicine</i> , 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. <i>American Journal of Pathology</i> , 2005, 166, 1487-1497.	1.9	138
20	The acute inflammatory response to intranigral A $\beta$ -synuclein differs significantly from intranigral lipopolysaccharide and is exacerbated by peripheral inflammation. <i>Journal of Neuroinflammation</i> , 2011, 8, 166.	3.1	137
21	T-cell- and macrophage-mediated axon damage in the absence of a CNS-specific immune response: involvement of metalloproteinases. <i>Brain</i> , 2001, 124, 2203-2214.	3.7	133
22	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, 6674-6679.	3.3	131
23	Detection of Microglial Activation in an Acute Model of Neuroinflammation Using PET and Radiotracers <sup>11</sup> C-(R)-PK11195 and <sup>18</sup> F-GE-180. <i>Journal of Nuclear Medicine</i> , 2014, 55, 466-472.	2.8	127
24	Inflammatory Cytokines, Angiogenesis, and Fibrosis in the Rat Peritoneum. <i>American Journal of Pathology</i> , 2002, 160, 2285-2294.	1.9	123
25	Neurofilament heavy chain in CSF correlates with relapses and disability in multiple sclerosis. <i>Neurology</i> , 2011, 76, 1206-1213.	1.5	121
26	CINC1 is identified as an acute-phase protein induced by focal brain injury causing leukocyte mobilization and liver injury. <i>FASEB Journal</i> , 2003, 17, 1168-1170.	0.2	118
27	MRI detection of early endothelial activation in brain inflammation. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 248-252.	1.9	115
28	Systemic Inflammatory Response Reactivates Immune-Mediated Lesions in Rat Brain. <i>Journal of Neuroscience</i> , 2009, 29, 4820-4828.	1.7	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. <i>American Journal of Pathology</i> , 2004, 164, 1455-1469.	1.9	106
30	Functional role of endothelial adhesion molecules in the early stages of brain metastasis. <i>Neuro-Oncology</i> , 2014, 16, 540-551.	0.6	100
31	Focal Lesions in the Rat Central Nervous System Induced by Endothelin-1. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003, 62, 1276-1286.	0.9	99
32	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, 1115-1124.	2.4	96
33	The systemic response to CNS injury. <i>Experimental Neurology</i> , 2014, 258, 105-111.	2.0	96
34	Learning modulation by endogenous hippocampal IL-1: Blockade of endogenous IL-1 facilitates memory formation. <i>Hippocampus</i> , 2004, 14, 526-535.	0.9	95
35	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.	2.4	91
36	What Do Microglia Really Do in Healthy Adult Brain?. <i>Cells</i> , 2019, 8, 1293.	1.8	91

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37	The Systemic and Local Acute Phase Response following Acute Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 318-326.	2.4	90
38	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.	3.1	90
39	The systemic response to brain injury and disease. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 534-540.	2.0	85
40	Selective Permeabilization of the Blood-Brain Barrier at Sites of Metastasis. <i>Journal of the National Cancer Institute</i> , 2013, 105, 1634-1643.	3.0	81
41	Early Growth Response Gene-2 Is Essential for M1 and M2 Macrophage Activation and Plasticity by Modulation of the Transcription Factor CEBP $\beta$ . <i>Frontiers in Immunology</i> , 2018, 9, 2515.	2.2	81
42	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. <i>Neurology</i> , 2014, 83, 1492-1499.	1.5	80
43	Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2014, 11, 203.	3.1	79
44	TNF-alpha reduces cerebral blood volume and disrupts tissue homeostasis via an endothelin- and TNFR2-dependent pathway. <i>Brain</i> , 2002, 125, 2446-2459.	3.7	78
45	Non-neuronal cells in amyotrophic lateral sclerosis - from pathogenesis to biomarkers. <i>Nature Reviews Neurology</i> , 2021, 17, 333-348.	4.9	78
46	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.	3.9	77
47	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. <i>JCI Insight</i> , 2017, 2, .	2.3	75
48	Distinctive binding properties of human monoclonal LGI1 autoantibodies determine pathogenic mechanisms. <i>Brain</i> , 2020, 143, 1731-1745.	3.7	74
49	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, 1178-1187.	2.4	72
50	Increased cortical neuronal responses to NMDA and improved attentional set-shifting performance in rats following prebiotic (B-GOS $\text{\textcircled{R}}$ ) ingestion. <i>European Neuropsychopharmacology</i> , 2018, 28, 211-224.	0.3	72
51	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 331-357.	2.9	70
52	Neonatal prebiotic (BGOS) supplementation increases the levels of synaptophysin, GluN2A-subunits and BDNF proteins in the adult rat hippocampus. <i>Synapse</i> , 2016, 70, 121-124.	0.6	67
53	Differential induction of interleukin-1 $\beta$ and tumour necrosis factor- $\alpha$ may account for specific patterns of leukocyte recruitment in the brain. <i>Brain Research</i> , 2002, 958, 89-99.	1.1	66
54	VCAM $\beta$ -targeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. <i>FASEB Journal</i> , 2011, 25, 4415-4422.	0.2	66

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55	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12151.	5.5	64
56	Liver Kupffer cells control the magnitude of the inflammatory response in the injured brain and spinal cord. <i>Neuropharmacology</i> , 2008, 55, 780-787.	2.0	63
57	Hepatic Nuclear Factor $\beta$ Regulates Neutrophil Recruitment to the Injured Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 223-230.	0.9	63
58	Potent Fluoro $\alpha$ -oligosaccharide Probes of Adhesion in <i>Toxoplasmosis</i> . <i>ChemBioChem</i> , 2009, 10, 2522-2529.	1.3	63
59	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. <i>Brain</i> , 2011, 134, 3236-3248.	3.7	62
60	Selenenylsulfide-Linked Homogeneous Glycopeptides and Glycoproteins: Synthesis of Human $\alpha$ -Hepatic Se Metabolite... <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1432-1436.	7.2	61
61	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, 42-47.	2.0	61
62	Overexpression of IL-1 $\beta$ 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, 151-163.	2.1	59
63	Inhibition of peripheral TNF can block the malaise associated with CNS inflammatory diseases. <i>Neurobiology of Disease</i> , 2008, 32, 125-132.	2.1	58
64	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, 305-310.	2.8	57
65	Altered chemokine expression in the spinal cord and brain contributes to differential interleukin-1 $\beta$ -induced neutrophil recruitment. <i>Journal of Neurochemistry</i> , 2002, 83, 432-441.	2.1	56
66	Deuterium content of water increases depression susceptibility: The potential role of a serotonin-related mechanism. <i>Behavioural Brain Research</i> , 2015, 277, 237-244.	1.2	56
67	Cerebrospinal fluid metabolomics implicate bioenergetic adaptation as a neural mechanism regulating shifts in cognitive states of HIV-infected patients. <i>Aids</i> , 2015, 29, 559-569.	1.0	56
68	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, 2245-2255.	2.1	52
69	In sickness and in health: The functional role of extracellular vesicles in physiology and pathology in vivo. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12190.	5.5	51
70	Exacerbation of Acute Traumatic Brain Injury by Circulating Extracellular Vesicles. <i>Journal of Neurotrauma</i> , 2018, 35, 639-651.	1.7	50
71	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , 2017, 8, 14254.	5.8	46
72	Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. <i>Behavioral and Brain Functions</i> , 2016, 12, 28.	1.4	45

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73	MRI Reveals That Early Changes in Cerebral Blood Volume Precede Bloodâ€“Brain Barrier Breakdown and Overt Pathology in MS-like Lesions in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 204-216.	2.4	44
74	The role of hemorrhage following spinal-cord injury. <i>Brain Research</i> , 2014, 1569, 9-18.	1.1	43
75	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.	1.0	43
76	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.	1.6	43
77	Comparison of MRI signatures in pattern I and II multiple sclerosis models. <i>NMR in Biomedicine</i> , 2009, 22, 1014-1024.	1.6	42
78	Chronic mild stress paradigm as a rat model of depression: facts, artifacts, and future perspectives. <i>Psychopharmacology</i> , 2022, 239, 663-693.	1.5	42
79	Sickness behaviour is induced by a peripheral CXC-chemokine also expressed in Multiple Sclerosis and EAE. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 738-746.	2.0	41
80	Antiâ€“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, 2071-2081.	1.9	41
81	Differential regulation of typeâ€“I and typeâ€“II interleukin-1 receptors in focal brain inflammation. <i>European Journal of Neuroscience</i> , 2005, 21, 1205-1214.	1.2	40
82	Postâ€“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, 2441-2450.	1.2	39
83	Detection of the inhibitory neurotransmitter GABA in macrophages by magnetic resonance spectroscopy. <i>Journal of Leukocyte Biology</i> , 2005, 78, 393-400.	1.5	39
84	Inflammatory responses in the rat brain in response to different methods of intra-cerebral administration. <i>Journal of Neuroimmunology</i> , 2008, 194, 27-33.	1.1	39
85	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. <i>Nature Communications</i> , 2016, 7, 13118.	5.8	39
86	Thiamine and benfotiamine improve cognition and ameliorate GSK-3 $\beta$ -associated stress-induced behaviours in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 75, 148-156.	2.5	39
87	Glial Activation in the Early Stages of Brain Metastasis: TSPO as a Diagnostic Biomarker. <i>Journal of Nuclear Medicine</i> , 2014, 55, 275-280.	2.8	38
88	Platelets mediate protective neuroinflammation and promote neuronal plasticity at the site of neuronal injury. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 7-27.	2.0	38
89	Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics. <i>EBioMedicine</i> , 2022, 76, 103856.	2.7	38
90	Systemic Immune Response to Traumatic CNS Injuriesâ€“Are Extracellular Vesicles the Missing Link?. <i>Frontiers in Immunology</i> , 2019, 10, 2723.	2.2	37

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91	Metabolomics in multiple sclerosis disease course and progression. <i>Multiple Sclerosis Journal</i> , 2020, 26, 591-598.	1.4	36
92	Imaging seizure-induced inflammation using an antibody targeted iron oxide contrast agent. <i>NeuroImage</i> , 2012, 60, 1149-1155.	2.1	35
93	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. <i>Acta Neuropathologica Communications</i> , 2017, 5, 95.	2.4	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. <i>Journal of Crohn's and Colitis</i> , 2018, 12, 1326-1337.	0.6	35
95	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.	2.5	35
96	Loss of the atypical inflammatory response in juvenile and aged rats. <i>Neuropathology and Applied Neurobiology</i> , 2007, 33, 108-20.	1.8	34
97	The contribution of inflammation to acute and chronic neurodegeneration. <i>Research in Immunology</i> , 1998, 149, 721-725.	0.9	33
98	Interleukin-1 $\beta$ 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.	1.0	32
99	$T_2$ -Weighted MRI Detects Presymptomatic Pathology in the SOD1 Mouse Model of ALS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 785-793.	2.4	32
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, 118-129.	1.2	32
101	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, 707-717.	2.1	31
102	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, 111-117.	1.2	31
103	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.	2.0	31
104	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.	2.0	30
105	Reduction of excitotoxicity and associated leukocyte recruitment by a broad-spectrum matrix metalloproteinase inhibitor. <i>Journal of Neurochemistry</i> , 2004, 89, 1378-1386.	2.1	28
106	CNS-targeted glucocorticoid reduces pathology in mouse model of amyotrophic lateral sclerosis. <i>Acta Neuropathologica Communications</i> , 2014, 2, 66.	2.4	28
107	Metabolomic Biomarkers in Blood Samples Identify Cancers in a Mixed Population of Patients with Nonspecific Symptoms. <i>Clinical Cancer Research</i> , 2022, 28, 1651-1661.	3.2	28
108	Study of cytokine induced neuropathology by high resolution proton NMR spectroscopy of rat urine. <i>FEBS Letters</i> , 2004, 568, 49-54.	1.3	27

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109	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. <i>Neural Plasticity</i> , 2017, 2017, 1-14.	1.0	27
110	The Murine Cyp1a1 Gene Is Expressed in a Restricted Spatial and Temporal Pattern during Embryonic Development. <i>Journal of Biological Chemistry</i> , 2005, 280, 5828-5835.	1.6	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. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 279-297.	2.0	26
112	Acute IL-1RA treatment suppresses the peripheral and central inflammatory response to spinal cord injury. <i>Journal of Neuroinflammation</i> , 2021, 18, 15.	3.1	26
113	The differential effects of chronic imipramine or citalopram administration on physiological and behavioral outcomes in naïve mice. <i>Behavioural Brain Research</i> , 2013, 245, 101-106.	1.2	23
114	Creation of a gated antibody as a conditionally functional synthetic protein. <i>Nature Communications</i> , 2014, 5, 4388.	5.8	23
115	Rapid neutrophil mobilization by VCAM-1+ endothelial cell-derived extracellular vesicles. <i>Cardiovascular Research</i> , 2023, 119, 236-251.	1.8	22
116	Modifying the maternal microbiota alters the gut-brain metabolome and prevents emotional dysfunction in the adult offspring of obese dams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	22
117	Chemokine targets in acute brain injury and disease. <i>Progress in Brain Research</i> , 2001, 132, 507-524.	0.9	21
118	The role of PPAR activation during the systemic response to brain injury. <i>Journal of Neuroinflammation</i> , 2015, 12, 99.	3.1	21
119	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.	2.0	21
120	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.	1.1	21
121	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. <i>Biomedicines</i> , 2020, 8, 361.	1.4	20
122	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.	2.0	20
123	Acute Astrocyte Activation in Brain Detected by Mri: New Insights into T1 Hypointensity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 621-632.	2.4	19
124	Anti-CD20 Disrupts Meningeal B-Cell Aggregates in a Model of Secondary Progressive Multiple Sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	3.1	19
125	The effect of B-cell depletion in the Theiler's model of multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2015, 359, 40-47.	0.3	18
126	Small-scale environmental enrichment and exercise enhance learning and spatial memory of <i>Carassius auratus</i> , and increase cell proliferation in the telencephalon: an exploratory study. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8026.	0.7	17

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127	Classifying the antibody-negative NMO syndromes. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2019, 6, e626.	3.1	17
128	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.	1.6	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. <i>Journal of Affective Disorders</i> , 2020, 272, 440-451.	2.0	17
130	Magnetic Resonance Imaging of Brain Inflammation Using Microparticles of Iron Oxide. <i>Methods in Molecular Biology</i> , 2011, 680, 103-115.	0.4	17
131	Systemic inflammation alters central 5-HT function as determined by pharmacological MRI. <i>NeuroImage</i> , 2013, 75, 177-186.	2.1	16
132	Investigation of immune and CNS-mediated effects of fingolimod in the focal delayed-type hypersensitivity multiple sclerosis model. <i>Neuropharmacology</i> , 2014, 79, 534-541.	2.0	16
133	Anti-CD20 inhibits T cell-mediated pathology and microgliosis in the rat brain. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 659-669.	1.7	16
134	Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. <i>Clinical Interventions in Aging</i> , 2015, 10, 1351.	1.3	16
135	Reducing suffering in experimental autoimmune encephalomyelitis (EAE). <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 169-176.	0.3	14
136	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, 744-753.	2.4	14
137	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, 435-444.	2.1	14
138	A single administration of the antibiotic, minocycline, reduces fear processing and improves implicit learning in healthy volunteers: analysis of the serum metabolome. <i>Translational Psychiatry</i> , 2020, 10, 148.	2.4	14
139	Integrative biochemical, proteomics and metabolomics cerebrospinal fluid biomarkers predict clinical conversion to multiple sclerosis. <i>Brain Communications</i> , 2021, 3, fcab084.	1.5	14
140	Hippocampal Over-Expression of Cyclooxygenase-2 (COX-2) Is Associated with Susceptibility to Stress-Induced Anhedonia in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2061.	1.8	14
141	Early Diagnosis of Brain Metastases Using a Biofluids-Metabolomics Approach in Mice. <i>Theranostics</i> , 2016, 6, 2161-2169.	4.6	13
142	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.	3.1	13
143	Metabolic, Molecular, and Behavioral Effects of Western Diet in Serotonin Transporter-Deficient Mice: Rescue by Heterozygosity?. <i>Frontiers in Neuroscience</i> , 2020, 14, 24.	1.4	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. <i>Neural Regeneration Research</i> , 2014, 9, 1783.	1.6	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. <i>International Journal of Experimental Pathology</i> , 2003, 78, 411-419.	0.6	12
146	Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. <i>Frontiers in Immunology</i> , 2021, 12, 683026.	2.2	12
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