

# Daniel C. Anthony

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 11, e12151	16.4	7
188	Depressive symptoms in non-alcoholic fatty liver disease are identified by perturbed lipid and lipoprotein metabolism.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0261555	3.7	2
187	Chronic mild stress paradigm as a rat model of depression: facts, artifacts, and future perspectives.. <i>Psychopharmacology</i> , <b>2022</b> , 239, 663	4.7	4
186	Rapid neutrophil mobilisation by VCAM-1+ endothelial extracellular vesicles.. <i>Cardiovascular Research</i> , <b>2022</b> ,	9.9	4
185	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> , <b>2022</b> , 11, e12190	16.4	6
184	Dimethyl fumarate decreases short-term but not long-term inflammation in a focal EAE model of neuroinflammation.. <i>EJNMMI Research</i> , <b>2022</b> , 12, 6	3.6	0
183	Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics.. <i>EBioMedicine</i> , <b>2022</b> , 76, 103856	8.8	3
182	Nafamostat reduces systemic inflammation in TLR7-mediated virus-like illness.. <i>Journal of Neuroinflammation</i> , <b>2022</b> , 19, 8	10.1	1
181	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> , <b>2022</b> , 119,	11.5	3
180	Behavioral and Neuropathological Changes After Ocular Conjunctival Infection in BALB/c Mice.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 812152	5.9	
179	Reductive site-selective atypical $\gamma$ -type/N2-C2 cleavage allows C-terminal protein amidation.. <i>Science Advances</i> , <b>2022</b> , 8, eabl8675	14.3	0
178	Determination of CSF GFAP, CCN5, and vWF Levels Enhances the Diagnostic Accuracy of Clinically Defined MS From Non-MS Patients With CSF Oligoclonal Bands.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 811351	8.4	0
177	Unwanted Exacerbation of the Immune Response in Neurodegenerative Disease: A Time to Review the Impact. <i>Frontiers in Cellular Neuroscience</i> , <b>2021</b> , 15, 749595	6.1	0
176	Objective biomarkers for clinical relapse in multiple sclerosis: a metabolomics approach. <i>Brain Communications</i> , <b>2021</b> , 3, fcab240	4.5	4
175	Anti-CD20 Disrupts Meningeal B-Cell Aggregates in a Model of Secondary Progressive Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2021</b> , 8,	9.1	5
174	Non-neuronal cells in amyotrophic lateral sclerosis - from pathogenesis to biomarkers. <i>Nature Reviews Neurology</i> , <b>2021</b> , 17, 333-348	15	15
173	Sedentary Life and Reduced Mastication Impair Spatial Learning and Memory and Differentially Affect Dentate Gyrus Astrocyte Subtypes in the Aged Mice. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 632216	5.1	1

172	Integrative biochemical, proteomics and metabolomics cerebrospinal fluid biomarkers predict clinical conversion to multiple sclerosis. <i>Brain Communications</i> , <b>2021</b> , 3, fcab084	4.5	7
171	Microglial Morphology Across Distantly Related Species: Phylogenetic, Environmental and Age Influences on Microglia Reactivity and Surveillance States. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 683026	8.4	3
170	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> , <b>2021</b> , 91, 230-244	16.6	7
169	Altered behaviour, dopamine and norepinephrine regulation in stressed mice heterozygous in TPH2 gene. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 108, 110155	5.5	2
168	Acute IL-1RA treatment suppresses the peripheral and central inflammatory response to spinal cord injury. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 15	10.1	8
167	Selective blood-brain barrier permeabilisation of brain metastases by a type-1 receptor selective tumour necrosis factor mutein. <i>Neuro-Oncology</i> , <b>2021</b> ,	1	1
166	SPIKE-1: A Randomised Phase II/III trial in a community setting, assessing use of camostat in reducing the clinical progression of COVID-19 by blocking SARS-CoV-2 Spike protein-initiated membrane fusion. <i>Trials</i> , <b>2021</b> , 22, 550	2.8	1
165	Postnatal prebiotic supplementation in rats affects adult anxious behaviour, hippocampus, electrophysiology, metabolomics, and gut microbiota. <i>iScience</i> , <b>2021</b> , 24, 103113	6.1	2
164	ASD-like behaviors, a dysregulated inflammatory response and decreased expression of PLP1 characterize mice deficient for sialyltransferase ST3GAL5. <i>Brain, Behavior, &amp; Immunity - Health</i> , <b>2021</b> , 16, 100306	5.1	1
163	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> , <b>2020</b> , 272, 440-451	6.6	7
162	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> , <b>2020</b> , 10, 148	8.6	6
161	Distinctive binding properties of human monoclonal LGI1 autoantibodies determine pathogenic mechanisms. <i>Brain</i> , <b>2020</b> , 143, 1731-1745	11.2	33
160	Metabolic, Molecular, and Behavioral Effects of Western Diet in Serotonin Transporter-Deficient Mice: Rescue by Heterozygosity?. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 24	5.1	5
159	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. <i>Cell</i> , <b>2020</b> , 180, 833-846.e16	6.2	125
158	Metabolomics in multiple sclerosis disease course and progression. <i>Multiple Sclerosis Journal</i> , <b>2020</b> , 26, 591-598	5	14
157	Prefrontal cortex inflammation and liver pathologies accompany cognitive and motor deficits following Western diet consumption in non-obese female mice. <i>Life Sciences</i> , <b>2020</b> , 241, 117163	6.8	16
156	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	9
155	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> , <b>2020</b> , 10, 16857	4.9	8

154	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 118, 331-357	9	29
153	A blood-based metabolomics test to distinguish relapsing-remitting and secondary progressive multiple sclerosis: addressing practical considerations for clinical application. <i>Scientific Reports</i> , <b>2020</b> , 10, 12381	4.9	3
152	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> , <b>2020</b> , 172, 107227	3.1	5
151	Cessation of anti-VLA-4 therapy in a focal rat model of multiple sclerosis causes an increase in neuroinflammation. <i>EJNMMI Research</i> , <b>2019</b> , 9, 38	3.6	4
150	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> , <b>2019</b> , 82, 279-297	16.6	15
149	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> , <b>2019</b> , 52, e8026	2.8	4
148	Effects of 50 Hz magnetic fields on circadian rhythm control in mice. <i>Bioelectromagnetics</i> , <b>2019</b> , 40, 250-259	1.5	8
147	Thiamine and benfotiamine counteract ultrasound-induced aggression, normalize AMPA receptor expression and plasticity markers, and reduce oxidative stress in mice. <i>Neuropharmacology</i> , <b>2019</b> , 156, 107543	5.5	17
146	In vivo behaviour of glyco-Na@SWCNT nanobottles. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 495, 118933	2.7	8
145	Stereological Analysis of Early Gene Expression Using Egr-1 Immunolabeling After Spreading Depression in the Rat Somatosensory Cortex. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 1020	5.1	3
144	Extracellular vesicle integrins act as a nexus for platelet adhesion in cerebral microvessels. <i>Scientific Reports</i> , <b>2019</b> , 9, 15847	4.9	6
143	What Do Microglia Really Do in Healthy Adult Brain?. <i>Cells</i> , <b>2019</b> , 8,	7.9	43
142	Prebiotic reduction of brain histone deacetylase (HDAC) activity and olanzapine-mediated weight gain in rats, are acetate independent. <i>Neuropharmacology</i> , <b>2019</b> , 150, 184-191	5.5	15
141	Classifying the antibody-negative NMO syndromes: Clinical, imaging, and metabolomic modeling. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2019</b> , 6, e626	9.1	9
140	Systemic Immune Response to Traumatic CNS Injuries-Are Extracellular Vesicles the Missing Link?. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2723	8.4	16
139	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> , <b>2019</b> , 90, 104-116	5.5	20
138	Hepatic acute phase response protects the brain from focal inflammation during postnatal window of susceptibility. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 69, 486-498	16.6	4
137	Prebiotic attenuation of olanzapine-induced weight gain in rats: analysis of central and peripheral biomarkers and gut microbiota. <i>Translational Psychiatry</i> , <b>2018</b> , 8, 66	8.6	66

136	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 Crohns and Colitis</i> , <b>2018</b> , 12, 1326-1337	1.5	18
135	Increased cortical neuronal responses to NMDA and improved attentional set-shifting performance in rats following prebiotic (B-GOS) ingestion. <i>European Neuropsychopharmacology</i> , <b>2018</b> , 28, 211-224	1.2	50
134	Exacerbation of Acute Traumatic Brain Injury by Circulating Extracellular Vesicles. <i>Journal of Neurotrauma</i> , <b>2018</b> , 35, 639-651	5.4	31
133	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> , <b>2018</b> , 9, 2515	8.4	41
132	The subtleties of cognitive decline in multiple sclerosis: an exploratory study using hierarchical cluster analysis of CANTAB results. <i>BMC Neurology</i> , <b>2018</b> , 18, 140	3.1	5
131	Platelets mediate protective neuroinflammation and promote neuronal plasticity at the site of neuronal injury. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 74, 7-27	16.6	23
130	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , <b>2017</b> , 8, 14254	17.4	36
129	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> , <b>2017</b> , 82, 126-136	4.8	27
128	Astrocyte-shed extracellular vesicles regulate the peripheral leukocyte response to inflammatory brain lesions. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	130
127	Metabolomics reveals distinct, antibody-independent, molecular signatures of MS, AQP4-antibody and MOG-antibody disease. <i>Acta Neuropathologica Communications</i> , <b>2017</b> , 5, 95	7.3	24
126	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> , <b>2017</b> , 14, 196	10.1	11
125	Circulating endothelial cell-derived extracellular vesicles mediate the acute phase response and sickness behaviour associated with CNS inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 9574	4.9	30
124	Interleukin-6 is increased in plasma and cerebrospinal fluid of community-dwelling domestic dogs with acute ischaemic stroke. <i>NeuroReport</i> , <b>2017</b> , 28, 134-140	1.7	8
123	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> , <b>2017</b> , 75, 148-156	5.5	30
122	A Endothelium-derived extracellular vesicles promote splenic monocyte mobilisation in myocardial infarction. <i>Heart</i> , <b>2017</b> , 103, A150.1-A150	5.1	
121	Autism-Like Behaviours and Memory Deficits Result from a Western Diet in Mice. <i>Neural Plasticity</i> , <b>2017</b> , 2017, 9498247	3.3	14
120	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> , <b>2017</b> , 2017, 4504925	6.7	5
119	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	46

118	Age, environment, object recognition and morphological diversity of GFAP-immunolabeled astrocytes. <i>Behavioral and Brain Functions</i> , <b>2016</b> , 12, 28	4.1	27
117	Carbon nanotubes allow capture of krypton, barium and lead for multichannel biological X-ray fluorescence imaging. <i>Nature Communications</i> , <b>2016</b> , 7, 13118	17.4	23
116	Neonatal prebiotic (BGOS) supplementation increases the levels of synaptophysin, GluN2A-subunits and BDNF proteins in the adult rat hippocampus. <i>Synapse</i> , <b>2016</b> , 70, 121-4	2.4	58
115	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT <sub>2A</sub> receptor and IL1- $\beta$ levels in male mice. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 52, 120-131	16.6	145
114	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> , <b>2016</b> , 10, 23	3.6	5
113	Early Diagnosis of Brain Metastases Using a Biofluids-Metabolomics Approach in Mice. <i>Theranostics</i> , <b>2016</b> , 6, 2161-2169	12.1	10
112	163 Endothelial Cell Derived Extracellular Vesicles Enriched with VCAM-1 in Inflammation Stimulate Splenic Monocyte Migration. <i>Heart</i> , <b>2016</b> , 102, A115.3-A116	5.1	
111	Low-dose lipopolysaccharide (LPS) inhibits aggressive and augments depressive behaviours in a chronic mild stress model in mice. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 108	10.1	60
110	Antibody-enhanced dengue disease generates a marked CNS inflammatory response in the black-tufted marmoset <i>Callithrix penicillata</i> . <i>Neuropathology</i> , <b>2016</b> , 36, 3-16	2	8
109	Tlr4 upregulation in the brain accompanies depression- and anxiety-like behaviors induced by a high-cholesterol diet. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 48, 42-7	16.6	45
108	NMR-Based Metabolomics Separates the Distinct Stages of Disease in a Chronic Relapsing Model of Multiple Sclerosis. <i>Journal of NeuroImmune Pharmacology</i> , <b>2015</b> , 10, 435-44	6.9	12
107	Cerebrospinal fluid metabolomics implicate bioenergetic adaptation as a neural mechanism regulating shifts in cognitive states of HIV-infected patients. <i>Aids</i> , <b>2015</b> , 29, 559-69	3.5	44
106	Lasting downregulation of the lipid peroxidation enzymes in the prefrontal cortex of mice susceptible to stress-induced anhedonia. <i>Behavioural Brain Research</i> , <b>2015</b> , 276, 118-29	3.4	24
105	Endotoxaemia resulting from decreased serotonin transporter (5-HTT) function: a reciprocal risk factor for depression and insulin resistance?. <i>Behavioural Brain Research</i> , <b>2015</b> , 276, 111-7	3.4	22
104	The role of PPAR activation during the systemic response to brain injury. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 99	10.1	17
103	Beneficial effects of multisensory and cognitive stimulation in institutionalized elderly: 12-months follow-up. <i>Clinical Interventions in Aging</i> , <b>2015</b> , 10, 1351-9	4	13
102	The effect of B-cell depletion in the Theiler's model of multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2015</b> , 359, 40-7	3.2	12
101	Deuterium content of water increases depression susceptibility: the potential role of a serotonin-related mechanism. <i>Behavioural Brain Research</i> , <b>2015</b> , 277, 237-44	3.4	44

100	In vivo PET imaging demonstrates diminished microglial activation after fingolimod treatment in an animal model of multiple sclerosis. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 305-10	8.9	54
99	A Model of Post-Infection Fatigue Is Associated with Increased TNF and 5-HT2A Receptor Expression in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130643	3.7	15
98	The role of hemorrhage following spinal-cord injury. <i>Brain Research</i> , <b>2014</b> , 1569, 9-18	3.7	28
97	Anti-CD20 inhibits T cell-mediated pathology and microgliosis in the rat brain. <i>Annals of Clinical and Translational Neurology</i> , <b>2014</b> , 1, 659-69	5.3	11
96	Brain-derived microvesicles confer sickness behaviours by switching on the acute phase response in the liver. <i>Journal of Neuroimmunology</i> , <b>2014</b> , 275, 57	3.5	2
95	Glial activation in the early stages of brain metastasis: TSPO as a diagnostic biomarker. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 275-80	8.9	30
94	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> , <b>2014</b> , 55, 466-72	8.9	110
93	The systemic response to CNS injury. <i>Experimental Neurology</i> , <b>2014</b> , 258, 105-11	5.7	70
92	Viral pre-challenge increases central nervous system inflammation after intracranial interleukin-1 $\beta$ injection. <i>Journal of Neuroinflammation</i> , <b>2014</b> , 11, 178	10.1	3
91	T $\beta$ weighted MRI detects presymptomatic pathology in the SOD1 mouse model of ALS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2014</b> , 34, 785-93	7.3	28
90	Creation of a gated antibody as a conditionally functional synthetic protein. <i>Nature Communications</i> , <b>2014</b> , 5, 4388	17.4	15
89	A type 2 biomarker separates relapsing-remitting from secondary progressive multiple sclerosis. <i>Neurology</i> , <b>2014</b> , 83, 1492-9	6.5	60
88	CNS-targeted glucocorticoid reduces pathology in mouse model of amyotrophic lateral sclerosis. <i>Acta Neuropathologica Communications</i> , <b>2014</b> , 2, 66	7.3	18
87	Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , <b>2014</b> , 11, 203	10.1	60
86	Functional role of endothelial adhesion molecules in the early stages of brain metastasis. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 540-51	1	68
85	Investigation of immune and CNS-mediated effects of fingolimod in the focal delayed-type hypersensitivity multiple sclerosis model. <i>Neuropharmacology</i> , <b>2014</b> , 79, 534-41	5.5	14
84	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> , <b>2014</b> , 9, 1783-6	4.5	10
83	Obesity and statins are both independent predictors of enhanced coronary arteriolar dilation in patients undergoing heart surgery. <i>Journal of Cardiothoracic Surgery</i> , <b>2013</b> , 8, 117	1.6	4

82	Systemic inflammation alters central 5-HT function as determined by pharmacological MRI. <i>NeuroImage</i> , <b>2013</b> , 75, 177-186	7.9	14
81	Reducing suffering in experimental autoimmune encephalomyelitis (EAE). <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2013</b> , 67, 169-76	1.7	11
80	The CRTCL1-SIK1 pathway regulates entrainment of the circadian clock. <i>Cell</i> , <b>2013</b> , 154, 1100-1111	56.2	125
79	The differential effects of chronic imipramine or citalopram administration on physiological and behavioral outcomes in naïve mice. <i>Behavioural Brain Research</i> , <b>2013</b> , 245, 101-6	3.4	20
78	Special issue commentary: the changing face of inflammation in the brain. <i>Molecular and Cellular Neurosciences</i> , <b>2013</b> , 53, 1-5	4.8	9
77	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> , <b>2013</b> , 182, 2071-81	5.8	28
76	Reducing suffering in animal models and procedures involving seizures, convulsions and epilepsy. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2013</b> , 67, 9-15	1.7	9
75	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> , <b>2013</b> , 29, 136-146	16.6	139
74	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> , <b>2013</b> , 33, 744-53	7.3	11
73	Selective permeabilization of the blood-brain barrier at sites of metastasis. <i>Journal of the National Cancer Institute</i> , <b>2013</b> , 105, 1634-43	9.7	62
72	Microparticles bearing RGD peptide promote integrin $\alpha$ <sub>IIb</sub> $\beta$ 3-dependent platelet adhesion in isolated, pressurized cerebral artery. <i>FASEB Journal</i> , <b>2013</b> , 27, 1b494	0.9	
71	Selenenylsulfide-linked homogeneous glycopeptides and glycoproteins: synthesis of human "hepatic Se metabolite A". <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1432-6	16.4	49
70	The systemic response to brain injury and disease. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 534-40	16.6	71
69	Imaging seizure-induced inflammation using an antibody targeted iron oxide contrast agent. <i>NeuroImage</i> , <b>2012</b> , 60, 1149-55	7.9	32
68	Selenenylsulfide-Linked Homogeneous Glycopeptides and Glycoproteins: Synthesis of Human Hepatic Se Metabolite A. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1461-1465	3.6	14
67	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> , <b>2012</b> , 109, 6674-9	11.5	119
66	The acute inflammatory response to intranigral $\beta$ -synuclein differs significantly from intranigral lipopolysaccharide and is exacerbated by peripheral inflammation. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 166	10.1	118
65	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. <i>Brain</i> , <b>2011</b> , 134, 3236-48	11.2	49



64	Neurofilament heavy chain in CSF correlates with relapses and disability in multiple sclerosis. <i>Neurology</i> , <b>2011</b> , 76, 1206-13	6.5	95
63	VCAM-1-targeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. <i>FASEB Journal</i> , <b>2011</b> , 25, 4415-22	0.9	58
62	Magnetic resonance imaging of brain inflammation using microparticles of iron oxide. <i>Methods in Molecular Biology</i> , <b>2011</b> , 680, 103-15	1.4	15
61	Detection of brain pathology by magnetic resonance imaging of iron oxide micro-particles. <i>Methods in Molecular Biology</i> , <b>2011</b> , 686, 213-27	1.4	4
60	Molecular MRI approaches to the detection of CNS inflammation. <i>Methods in Molecular Biology</i> , <b>2011</b> , 711, 379-96	1.4	5
59	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> , <b>2010</b> , 30, 1178-87	7.3	63
58	Sickness behaviour is induced by a peripheral CXC-chemokine also expressed in multiple sclerosis and EAE. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 738-46	16.6	36
57	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> , <b>2009</b> , 106, 18-23	11.5	435
56	Potent fluoro-oligosaccharide probes of adhesion in Toxoplasmosis. <i>ChemBioChem</i> , <b>2009</b> , 10, 2522-9	3.8	59
55	Comparison of MRI signatures in pattern I and II multiple sclerosis models. <i>NMR in Biomedicine</i> , <b>2009</b> , 22, 1014-24	4.4	31
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