

Monica J Carson

List of Publications by Citations

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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.

51
papers

3,844
citations

30
h-index

54
g-index

54
ext. papers

4,202
ext. citations

7.3
avg, IF

5.01
L-index

#	Paper	IF	Citations
51	CNS immune privilege: hiding in plain sight. <i>Immunological Reviews</i> , 2006 , 213, 48-65	11.3	528
50	Insulin-like growth factor I increases brain growth and central nervous system myelination in transgenic mice. <i>Neuron</i> , 1993 , 10, 729-40	13.9	421
49	Mature microglia resemble immature antigen-presenting cells. <i>Glia</i> , 1998 , 22, 72-85	9	270
48	Heterogeneous expression of the triggering receptor expressed on myeloid cells-2 on adult murine microglia. <i>Journal of Neurochemistry</i> , 2002 , 83, 1309-20	6	238
47	Microglia as liaisons between the immune and central nervous systems: functional implications for multiple sclerosis. <i>Glia</i> , 2002 , 40, 218-31	9	191
46	The cellular response in neuroinflammation: The role of leukocytes, microglia and astrocytes in neuronal death and survival. <i>Clinical Neuroscience Research</i> , 2006 , 6, 237-245		163
45	Differential gene expression in LPS/IFN γ activated microglia and macrophages: in vitro versus in vivo. <i>Journal of Neurochemistry</i> , 2009 , 109 Suppl 1, 117-25	6	116
44	CD4-positive T cell-mediated neuroprotection requires dual compartment antigen presentation. <i>Journal of Neuroscience</i> , 2004 , 24, 4333-9	6.6	113
43	Dual induction of TREM2 and tolerance-related transcript, Tmem176b, in amyloid transgenic mice: implications for vaccine-based therapies for Alzheimer's disease. <i>ASN Neuro</i> , 2010 , 2, e00037	5.3	106
42	Late-onset chronic inflammatory encephalopathy in immune-competent and severe combined immune-deficient (SCID) mice with astrocyte-targeted expression of tumor necrosis factor. <i>American Journal of Pathology</i> , 1998 , 153, 767-83	5.8	95
41	A rose by any other name? The potential consequences of microglial heterogeneity during CNS health and disease. <i>Neurotherapeutics</i> , 2007 , 4, 571-9	6.4	92
40	Regulation of oligodendrocyte development and central nervous system myelination by insulin-like growth factors. <i>Annals of the New York Academy of Sciences</i> , 1993 , 692, 321-34	6.5	92
39	Disproportionate recruitment of CD8+ T cells into the central nervous system by professional antigen-presenting cells. <i>American Journal of Pathology</i> , 1999 , 154, 481-94	5.8	91
38	A ligand for the chemokine receptor CCR7 can influence the homeostatic proliferation of CD4 T cells and progression of autoimmunity. <i>Journal of Immunology</i> , 2001 , 167, 6724-30	5.3	89
37	Astrocyte-targeted expression of IL-12 induces active cellular immune responses in the central nervous system and modulates experimental allergic encephalomyelitis. <i>Journal of Immunology</i> , 2000 , 164, 4481-92	5.3	86
36	Microglia stimulate naive T-cell differentiation without stimulating T-cell proliferation. <i>Journal of Neuroscience Research</i> , 1999 , 55, 127-34	4.4	82
35	Integrating innate and adaptive immunity in the whole animal. <i>Immunological Reviews</i> , 1999 , 169, 225-39	11.3	80

34	Balancing function vs. self defense: the CNS as an active regulator of immune responses. <i>Journal of Neuroscience Research</i> , 1999 , 55, 1-8	4.4	78
33	The 5HT5A serotonin receptor is expressed predominantly by astrocytes in which it inhibits cAMP accumulation: a mechanism for neuronal suppression of reactive astrocytes. <i>Glia</i> , 1996 , 17, 317-26	9	77
32	Developmental regulation of TREM2 and DAP12 expression in the murine CNS: implications for Nasu-Hakola disease. <i>Neurochemical Research</i> , 2009 , 34, 38-45	4.6	70
31	P2X4 receptors in activated C8-B4 cells of cerebellar microglial origin. <i>Journal of General Physiology</i> , 2010 , 135, 333-53	3.4	69
30	Non-traditional cytokines: How catecholamines and adipokines influence macrophages in immunity, metabolism and the central nervous system. <i>Cytokine</i> , 2015 , 72, 210-9	4	68
29	Leukocyte infiltration, but not neurodegeneration, in the CNS of transgenic mice with astrocyte production of the CXC chemokine ligand 10. <i>Journal of Immunology</i> , 2002 , 169, 1505-15	5.3	67
28	Bone marrow transplantation confers modest benefits in mouse models of Huntington's disease. <i>Journal of Neuroscience</i> , 2012 , 32, 133-42	6.6	57
27	Regulation of oligodendrocyte development by insulin-like growth factors and cyclic nucleotides. <i>Annals of the New York Academy of Sciences</i> , 1990 , 605, 101-9	6.5	54
26	Microglia and the control of autoreactive T cell responses. <i>Neurochemistry International</i> , 2006 , 49, 145-53	4.4	47
25	CCR7-dependent immunity during acute <i>Toxoplasma gondii</i> infection. <i>Infection and Immunity</i> , 2010 , 78, 2257-63	3.7	46
24	Lymphotoxin beta receptor (Lt betaR): dual roles in demyelination and remyelination and successful therapeutic intervention using Lt betaR-Ig protein. <i>Journal of Neuroscience</i> , 2007 , 27, 7429-37	6.6	41
23	CNS-derived CCL21 is both sufficient to drive homeostatic CD4+ T cell proliferation and necessary for efficient CD4+ T cell migration into the CNS parenchyma following <i>Toxoplasma gondii</i> infection. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 883-96	16.6	35
22	Diet-Induced Obesity Elicits Macrophage Infiltration and Reduction in Spine Density in the Hypothalamus of Male but Not Female Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 1992	8.4	33
21	Computational analysis reveals increased blood deposition following repeated mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2012 , 1, 18-28	5.3	27
20	Analysis of microglial gene expression: identifying targets for CNS neurodegenerative and autoimmune disease. <i>Molecular Diagnosis and Therapy</i> , 2004 , 4, 321-30		27
19	Modeling CNS microglia: the quest to identify predictive models. <i>Drug Discovery Today: Disease Models</i> , 2008 , 5, 19-25	1.3	26
18	Pertussis toxin treatment prevents 5-HT(5a) receptor-mediated inhibition of cyclic AMP accumulation in rat C6 glioma cells. <i>Journal of Neuroscience Research</i> , 2000 , 61, 75-81	4.4	24
17	LPS-induced CCL2 expression and macrophage influx into the murine central nervous system is polyamine-dependent. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 629-39	16.6	23

16	Upregulation of the stress-associated gene p8 in mouse models of demyelination and in multiple sclerosis tissues. <i>Glia</i> , 2006 , 53, 529-37	9	21
15	Immunology. The push-me pull-you of T cell activation. <i>Science</i> , 2001 , 293, 618-9	33.3	14
14	Differential detection of impact site versus rotational site injury by magnetic resonance imaging and microglial morphology in an unrestrained mild closed head injury model. <i>Journal of Neurochemistry</i> , 2016 , 136 Suppl 1, 18-28	6	13
13	Perspective is everything: an irreverent discussion of CNS-immune system interactions as viewed from different scientific traditions. <i>Brain, Behavior, and Immunity</i> , 2007 , 21, 367-73	16.6	11
12	Continuous Inhalation Exposure to Fungal Allergen Particulates Induces Lung Inflammation While Reducing Innate Immune Molecule Expression in the Brainstem. <i>ASN Neuro</i> , 2018 , 10, 1759091418782304	5.3	9
11	Induction and effector phase of allergic lung inflammation is independent of CCL21/CCL19 and LT-beta. <i>International Journal of Medical Sciences</i> , 2009 , 6, 85-92	3.7	7
10	Induction of Golli-MBP expression in CNS macrophages during acute LPS-induced CNS inflammation and experimental autoimmune encephalomyelitis (EAE). <i>Scientific World Journal, The</i> , 2007 , 7, 112-20	2.2	6
9	When the tail can wag the dog: the implications of CNS-intrinsic initiation of neuroinflammation. <i>ASN Neuro</i> , 2009 , 1,	5.3	2
8	SPARC coordinates extracellular matrix remodeling and efficient recruitment to and migration of antigen-specific T cells in the brain following infection. <i>Scientific Reports</i> , 2021 , 11, 4549	4.9	2
7	Molecular Mechanisms and Consequences of Immune and Nervous System Interactions 2012 , 597-609		1
6	Microglia ¶The Professional Antigen-presenting Cells of the CNS? 2006 , 441-459		1
5	Visualizing chemokine-dependent T cell activation and migration in response to central nervous system infection. <i>Methods in Molecular Biology</i> , 2013 , 1013, 171-83	1.4	1
4	Microglia stimulate naive T-cell differentiation without stimulating T-cell proliferation 1999 , 55, 127		1
3	An Introduction to CNS-Resident Microglia: Definitions, Assays, and Functional Roles in Health and Disease 2013 , 3-29		0
2	The two faces of CNS inflammation: can we tell Dr. Jekyll from Mr. Hyde?. <i>Brain, Behavior, and Immunity</i> , 2003 , 17, 415-6	16.6	
1	P2X4 receptors in activated C8-B4 cells of cerebellar microglial origin. <i>Journal of Cell Biology</i> , 2010 , 189, i7-i7	7.3	