

# Monica J Carson

## List of Publications by Year in descending order

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52  
papers

4,489  
citations

159585

30  
h-index

214800

47  
g-index

54  
all docs

54  
docs citations

54  
times ranked

5698  
citing authors

#	ARTICLE	IF	CITATIONS
1	CNS immune privilege: hiding in plain sight. <i>Immunological Reviews</i> , 2006, 213, 48-65.	6.0	638
2	Insulin-like growth factor I increases brain growth and central nervous system myelination in transgenic mice. <i>Neuron</i> , 1993, 10, 729-740.	8.1	458
3	Heterogeneous expression of the triggering receptor expressed on myeloid cells 2 on adult murine microglia. <i>Journal of Neurochemistry</i> , 2002, 83, 1309-1320.	3.9	307
4	Mature microglia resemble immature antigen-presenting cells. <i>Glia</i> , 1998, 22, 72-85.	4.9	295
5	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.	0.8	214
6	Microglia as liaisons between the immune and central nervous systems: Functional implications for multiple sclerosis. <i>Glia</i> , 2002, 40, 218-231.	4.9	209
7	Differential gene expression in LPS/IFN $\gamma$ activated microglia and macrophages: <i>in vitro</i> versus <i>in vivo</i> . <i>Journal of Neurochemistry</i> , 2009, 109, 117-125.	3.9	135
8	CD4-Positive T Cell-Mediated Neuroprotection Requires Dual Compartment Antigen Presentation. <i>Journal of Neuroscience</i> , 2004, 24, 4333-4339.	3.6	126
9	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, AN20100010.	2.7	118
10	A Rose by Any Other Name? The Potential Consequences of Microglial Heterogeneity During CNS Health and Disease. <i>Neurotherapeutics</i> , 2007, 4, 571-579.	4.4	104
11	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, 767-783.	3.8	103
12	Disproportionate Recruitment of CD8+ T Cells into the Central Nervous System by Professional Antigen-Presenting Cells. <i>American Journal of Pathology</i> , 1999, 154, 481-494.	3.8	102
13	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, 321-334.	3.8	98
14	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, 6724-6730.	0.8	97
15	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, 4481-4492.	0.8	95
16	Balancing function vs. self defense: The CNS as an active regulator of immune responses. <i>Journal of Neuroscience Research</i> , 1999, 55, 1-8.	2.9	91
17	Integrating innate and adaptive immunity in the whole animal. <i>Immunological Reviews</i> , 1999, 169, 225-239.	6.0	89
18	The 5-HT $_{2A}$ serotonin receptor is expressed predominantly by astrocytes in which it inhibits cAMP accumulation: A mechanism for neuronal suppression of reactive astrocytes. , 1996, 17, 317-326.		87

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19	Non-traditional cytokines: How catecholamines and adipokines influence macrophages in immunity, metabolism and the central nervous system. <i>Cytokine</i> , 2015, 72, 210-219.	3.2	87
20	Microglia stimulate naive T-cell differentiation without stimulating T-cell proliferation. <i>Journal of Neuroscience Research</i> , 1999, 55, 127-134.	2.9	85
21	P2X4 receptors in activated C8-B4 cells of cerebellar microglial origin. <i>Journal of General Physiology</i> , 2010, 135, 333-353.	1.9	85
22	Developmental Regulation of TREM2 and DAP12 Expression in the Murine CNS: Implications for Nasu-Hakola Disease. <i>Neurochemical Research</i> , 2009, 34, 38-45.	3.3	80
23	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, 1505-1515.	0.8	78
24	Bone Marrow Transplantation Confers Modest Benefits in Mouse Models of Huntington's Disease. <i>Journal of Neuroscience</i> , 2012, 32, 133-142.	3.6	71
25	Diet-Induced Obesity Elicits Macrophage Infiltration and Reduction in Spine Density in the Hypothalami of Male but Not Female Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1992.	4.8	58
26	Regulation of Oligodendrocyte Development by Insulin-Like Growth Factors and Cyclic Nucleotides. <i>Annals of the New York Academy of Sciences</i> , 1990, 605, 101-109.	3.8	57
27	Microglia and the control of autoreactive T cell responses. <i>Neurochemistry International</i> , 2006, 49, 145-153.	3.8	57
28	CCR7-Dependent Immunity during Acute <i>Toxoplasma gondii</i> Infection. <i>Infection and Immunity</i> , 2010, 78, 2257-2263.	2.2	55
29	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, 883-896.	4.1	49
30	IMMUNOLOGY: The Push-Me Pull-You of T Cell Activation. <i>Science</i> , 2001, 293, 618-619.	12.6	49
31	Lymphotoxin $\alpha$ Receptor (Lt $\alpha$ R): Dual Roles in Demyelination and Remyelination and Successful Therapeutic Intervention Using Lt $\alpha$ R-Ig Protein. <i>Journal of Neuroscience</i> , 2007, 27, 7429-7437.	3.6	46
32	LPS-induced CCL2 expression and macrophage influx into the murine central nervous system is polyamine-dependent. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 629-639.	4.1	30
33	Analysis of Microglial Gene Expression. <i>Molecular Diagnosis and Therapy</i> , 2004, 4, 321-330.	3.3	29
34	Computational analysis reveals increased blood deposition following repeated mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2012, 1, 18-28.	2.7	29
35	Modeling CNS microglia: the quest to identify predictive models. <i>Drug Discovery Today: Disease Models</i> , 2008, 5, 19-25.	1.2	27
36	Pertussis toxin treatment prevents 5-HT $\alpha$ receptor-mediated inhibition of cyclic AMP accumulation in rat C6 glioma cells. <i>Journal of Neuroscience Research</i> , 2000, 61, 75-81.	2.9	24

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37	Upregulation of the stress-associated gene p8 in mouse models of demyelination and in multiple sclerosis tissues. <i>Glia</i> , 2006, 53, 529-537.	4.9	21
38	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, 18-28.	3.9	15
39	Glial cells as primary therapeutic targets for epilepsy. <i>Neurochemistry International</i> , 2013, 63, 635-637.	3.8	14
40	Perspective is everything: An irreverent discussion of CNS's immune system interactions as viewed from different scientific traditions. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 367-373.	4.1	13
41	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, 175909141878230.	2.7	13
42	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, 112-120.	2.1	7
43	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.	2.5	7
44	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.	3.3	5
45	When the Tail Can't Wag the Dog: The Implications of CNS-Intrinsic Initiation of Neuroinflammation. <i>ASN Neuro</i> , 2009, 1, AN20090024.	2.7	2
46	An Introduction to CNS-Resident Microglia: Definitions, Assays, and Functional Roles in Health and Disease. , 2013, , 3-29.		2
47	Microglia - The Professional Antigen-presenting Cells of the CNS?. , 2006, , 441-459.		1
48	Molecular Mechanisms and Consequences of Immune and Nervous System Interactions. , 2012, , 597-609.		1
49	Microglia stimulate naive T cell differentiation without stimulating T cell proliferation. <i>Journal of Neuroscience Research</i> , 1999, 55, 127-134.	2.9	1
50	Visualizing Chemokine-Dependent T Cell Activation and Migration in Response to Central Nervous System Infection. <i>Methods in Molecular Biology</i> , 2013, 1013, 171-183.	0.9	1
51	The two faces of CNS inflammation: Can we tell Dr. Jekyll from Mr. Hyde?. <i>Brain, Behavior, and Immunity</i> , 2003, 17, 415-416.	4.1	0
52	P2X4 receptors in activated C8-B4 cells of cerebellar microglial origin. <i>Journal of Cell Biology</i> , 2010, 189, i7-i7.	5.2	0