

Jonathan P Godbout

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.

56

papers

5,653

citations

36

h-index

59

g-index

59

ext. papers

6,978

ext. citations

8.2

avg, IF

6.12

L-index

#	Paper	IF	Citations
56	Neuroinflammation: the devil is in the details. <i>Journal of Neurochemistry</i> , 2016 , 139 Suppl 2, 136-153	6	479
55	Peripheral lipopolysaccharide (LPS) challenge promotes microglial hyperactivity in aged mice that is associated with exaggerated induction of both pro-inflammatory IL-1beta and anti-inflammatory IL-10 cytokines. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 309-17	16.6	412
54	Microglia induce motor neuron death via the classical NF- κ B pathway in amyotrophic lateral sclerosis. <i>Neuron</i> , 2014 , 81, 1009-1023	13.9	393
53	Stress-induced recruitment of bone marrow-derived monocytes to the brain promotes anxiety-like behavior. <i>Journal of Neuroscience</i> , 2013 , 33, 13820-33	6.6	364
52	Stress-induced immune dysregulation: implications for wound healing, infectious disease and cancer. <i>Journal of NeuroImmune Pharmacology</i> , 2006 , 1, 421-7	6.9	263
51	Sequential activation of microglia and astrocyte cytokine expression precedes increased Iba-1 or GFAP immunoreactivity following systemic immune challenge. <i>Glia</i> , 2016 , 64, 300-16	9	262
50	Microglial priming and enhanced reactivity to secondary insult in aging, and traumatic CNS injury, and neurodegenerative disease. <i>Neuropharmacology</i> , 2015 , 96, 29-41	5.5	239
49	Aging exacerbates depressive-like behavior in mice in response to activation of the peripheral innate immune system. <i>Neuropsychopharmacology</i> , 2008 , 33, 2341-51	8.7	238
48	Peripheral innate immune challenge exaggerated microglia activation, increased the number of inflammatory CNS macrophages, and prolonged social withdrawal in socially defeated mice. <i>Psychoneuroendocrinology</i> , 2012 , 37, 1491-505	5	190
47	Protracted downregulation of CX3CR1 on microglia of aged mice after lipopolysaccharide challenge. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 1190-201	16.6	186
46	Re-establishment of anxiety in stress-sensitized mice is caused by monocyte trafficking from the spleen to the brain. <i>Biological Psychiatry</i> , 2014 , 75, 970-81	7.9	181
45	Microglia Priming with Aging and Stress. <i>Neuropsychopharmacology</i> , 2017 , 42, 318-333	8.7	171
44	Immune activation promotes depression 1 month after diffuse brain injury: a role for primed microglia. <i>Biological Psychiatry</i> , 2014 , 76, 575-84	7.9	165
43	TGF β produced by IL-10 redirected astrocytes attenuates microglial activation. <i>Glia</i> , 2014 , 62, 881-95	9	153
42	Lipopolysaccharide-induced interleukin (IL)-4 receptor- α expression and corresponding sensitivity to the M2 promoting effects of IL-4 are impaired in microglia of aged mice. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 766-77	16.6	142
41	Age and neuroinflammation: a lifetime of psychoneuroimmune consequences. <i>Immunology and Allergy Clinics of North America</i> , 2009 , 29, 321-37	3.3	142
40	IL-4 signaling drives a unique arginase ⁺ /IL-1 β microglia phenotype and recruits macrophages to the inflammatory CNS: consequences of age-related deficits in IL-4R α after traumatic spinal cord injury. <i>Journal of Neuroscience</i> , 2014 , 34, 8904-17	6.6	135

39	Neuroinflammatory Dynamics Underlie Memory Impairments after Repeated Social Defeat. <i>Journal of Neuroscience</i> , 2016 , 36, 2590-604	6.6	122
38	Priming the inflammatory pump of the CNS after traumatic brain injury. <i>Trends in Neurosciences</i> , 2015 , 38, 609-620	13.3	119
37	Age and neuroinflammation: a lifetime of psychoneuroimmune consequences. <i>Neurologic Clinics</i> , 2006 , 24, 521-38	4.5	101
36	Cognitive deficits develop 1 month after diffuse brain injury and are exaggerated by microglia-associated reactivity to peripheral immune challenge. <i>Brain, Behavior, and Immunity</i> , 2016 , 54, 95-109	16.6	76
35	The Alarmin HMGB1 Mediates Age-Induced Neuroinflammatory Priming. <i>Journal of Neuroscience</i> , 2016 , 36, 7946-56	6.6	75
34	Sympathetic Release of Splenic Monocytes Promotes Recurring Anxiety Following Repeated Social Defeat. <i>Biological Psychiatry</i> , 2016 , 79, 803-813	7.9	73
33	Methylene blue attenuates traumatic brain injury-associated neuroinflammation and acute depressive-like behavior in mice. <i>Journal of Neurotrauma</i> , 2015 , 32, 127-38	5.4	70
32	Alpha-tocopherol attenuates lipopolysaccharide-induced sickness behavior in mice. <i>Brain, Behavior, and Immunity</i> , 2004 , 18, 149-57	16.6	68
31	Traumatic brain injury-induced neuronal damage in the somatosensory cortex causes formation of rod-shaped microglia that promote astrogliosis and persistent neuroinflammation. <i>Glia</i> , 2018 , 66, 2719-2736	9.7	68
30	Tumor growth increases neuroinflammation, fatigue and depressive-like behavior prior to alterations in muscle function. <i>Brain, Behavior, and Immunity</i> , 2015 , 43, 76-85	16.6	67
29	Social Stress Mobilizes Hematopoietic Stem Cells to Establish Persistent Splenic Myelopoiesis. <i>Cell Reports</i> , 2018 , 25, 2552-2562.e3	10.6	65
28	Cognitive and behavioral consequences of impaired immunoregulation in aging. <i>Journal of NeuroImmune Pharmacology</i> , 2012 , 7, 7-23	6.9	62
27	Cell-Type-Specific Interleukin 1 Receptor 1 Signaling in the Brain Regulates Distinct Neuroimmune Activities. <i>Immunity</i> , 2019 , 50, 317-333.e6	32.3	60
26	Forced turnover of aged microglia induces an intermediate phenotype but does not rebalance CNS environmental cues driving priming to immune challenge. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 129	7.3	53
25	Interleukin 1 type 1 receptor restore: a genetic mouse model for studying interleukin 1 receptor-mediated effects in specific cell types. <i>Journal of Neuroscience</i> , 2015 , 35, 2860-70	6.6	46
24	A Tilted Axis: Maladaptive Inflammation and HPA Axis Dysfunction Contribute to Consequences of TBI. <i>Frontiers in Neurology</i> , 2019 , 10, 345	4.1	42
23	The Influence of Microglial Elimination and Repopulation on Stress Sensitization Induced by Repeated Social Defeat. <i>Biological Psychiatry</i> , 2019 , 85, 667-678	7.9	41
22	Insensitivity of astrocytes to interleukin 10 signaling following peripheral immune challenge results in prolonged microglial activation in the aged brain. <i>Neurobiology of Aging</i> , 2016 , 44, 22-41	5.6	39

21	Interleukin-6 Induced by Social Stress Promotes a Unique Transcriptional Signature in the Monocytes That Facilitate Anxiety. <i>Biological Psychiatry</i> , 2019 , 85, 679-689	7.9	39
20	Aging with a traumatic brain injury: Could behavioral morbidities and endocrine symptoms be influenced by microglial priming?. <i>Brain, Behavior, and Immunity</i> , 2017 , 59, 1-7	16.6	35
19	Traumatic Brain Injury Causes Chronic Cortical Inflammation and Neuronal Dysfunction Mediated by Microglia. <i>Journal of Neuroscience</i> , 2021 , 41, 1597-1616	6.6	35
18	Ibuprofen ameliorates fatigue- and depressive-like behavior in tumor-bearing mice. <i>Life Sciences</i> , 2015 , 143, 65-70	6.8	30
17	Fluoxetine prevents the development of depressive-like behavior in a mouse model of cancer related fatigue. <i>Physiology and Behavior</i> , 2015 , 140, 230-5	3.5	25
16	Interleukin-1 causes CNS inflammatory cytokine expression via endothelia-microglia bi-cellular signaling. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 292-304	16.6	20
15	Interleukin-1 receptor on hippocampal neurons drives social withdrawal and cognitive deficits after chronic social stress. <i>Molecular Psychiatry</i> , 2021 , 26, 4770-4782	15.1	17
14	Traumatic Brain Injury and Risk of Neurodegenerative Disorder. <i>Biological Psychiatry</i> , 2021 ,	7.9	16
13	Sleep Disruption Exacerbates and Prolongs the Inflammatory Response to Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 1829-1843	5.4	13
12	Acute peripheral inflammation and post-traumatic sleep differ between sexes after experimental diffuse brain injury. <i>European Journal of Neuroscience</i> , 2020 , 52, 2791-2814	3.5	13
11	Lumbar Myeloid Cell Trafficking into Locomotor Networks after Thoracic Spinal Cord Injury. <i>Experimental Neurology</i> , 2016 , 282, 86-98	5.7	13
10	Stromal Platelet-Derived Growth Factor Receptor- β Signaling Promotes Breast Cancer Metastasis in the Brain. <i>Cancer Research</i> , 2021 , 81, 606-618	10.1	12
9	Mammary tumors compromise time-of-day differences in hypothalamic gene expression and circadian behavior and physiology in mice. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 805-817	16.6	7
8	Comparison between midline and lateral fluid percussion injury in mice reveals prolonged but divergent cortical neuroinflammation. <i>Brain Research</i> , 2020 , 1746, 146987	3.7	3
7	Effects of dermal wounding on distal primary tumor immunobiology in mice. <i>Journal of Surgical Research</i> , 2018 , 221, 328-335	2.5	3
6	Astrocyte immunosenescence and deficits in interleukin 10 signaling in the aged brain disrupt the regulation of microglia following innate immune activation.. <i>Glia</i> , 2022 ,	9	2
5	Neuroinflammation in Aging 2015 , 87-105		1
4	Chronic Inflammation After TBI and Associated Behavioral Sequelae. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2015 , 3, 115-123	0.7	1

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| 3 | Sleep fragmentation engages stress-responsive circuitry, enhances inflammation and compromises hippocampal function following traumatic brain injury.. <i>Experimental Neurology</i> , 2022 , 114058 | 5.7 | 1 |
| 2 | Dynamic Interleukin-1 Receptor Type 1 Signaling Mediates Microglia-Vasculature Interactions Following Repeated Systemic LPS.. <i>Journal of Inflammation Research</i> , 2022 , 15, 1575-1590 | 4.8 | 0 |
| 1 | Aging and the Immune System 2013 , 313-329 | | |