

# Caroline Menard

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

5,304  
citations

147801

31  
h-index

155660

55  
g-index

65  
all docs

65  
docs citations

65  
times ranked

7403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Social stress induces neurovascular pathology promoting depression. <i>Nature Neuroscience</i> , 2017, 20, 1752-1760.	14.8	617
2	Sex-specific transcriptional signatures in human depression. <i>Nature Medicine</i> , 2017, 23, 1102-1111.	30.7	532
3	Neuroimmune mechanisms of depression. <i>Nature Neuroscience</i> , 2015, 18, 1386-1393.	14.8	415
4	Pathogenesis of depression: Insights from human and rodent studies. <i>Neuroscience</i> , 2016, 321, 138-162.	2.3	383
5	Sex Differences in Nucleus Accumbens Transcriptome Profiles Associated with Susceptibility versus Resilience to Subchronic Variable Stress. <i>Journal of Neuroscience</i> , 2015, 35, 16362-16376.	3.6	308
6	Neuroprotective action of resveratrol. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1195-1201.	3.8	291
7	Immune and Neuroendocrine Mechanisms of Stress Vulnerability and Resilience. <i>Neuropsychopharmacology</i> , 2017, 42, 62-80.	5.4	241
8	Integrating Interleukin-6 into depression diagnosis and treatment. <i>Neurobiology of Stress</i> , 2016, 4, 15-22.	4.0	198
9	Basal forebrain projections to the lateral habenula modulate aggression reward. <i>Nature</i> , 2016, 534, 688-692.	27.8	193
10	Molecular adaptations of the blood-brain barrier promote stress resilience vs. depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3326-3336.	7.1	190
11	Epigenetic modulation of inflammation and synaptic plasticity promotes resilience against stress in mice. <i>Nature Communications</i> , 2018, 9, 477.	12.8	185
12	Establishment of a repeated social defeat stress model in female mice. <i>Scientific Reports</i> , 2017, 7, 12838.	3.3	176
13	Orexin signaling in GABAergic lateral habenula neurons modulates aggressive behavior in male mice. <i>Nature Neuroscience</i> , 2020, 23, 638-650.	14.8	98
14	Successful Cognitive Aging in Rats: A Role for mGluR5 Glutamate Receptors, Homer 1 Proteins and Downstream Signaling Pathways. <i>PLoS ONE</i> , 2012, 7, e28666.	2.5	87
15	VGF function in depression and antidepressant efficacy. <i>Molecular Psychiatry</i> , 2018, 23, 1632-1642.	7.9	84
16	Inflammatory Mediators in Mood Disorders: Therapeutic Opportunities. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 411-428.	9.4	82
17	Vascular and blood-brain barrier-related changes underlie stress responses and resilience in female mice and depression in human tissue. <i>Nature Communications</i> , 2022, 13, 164.	12.8	75
18	Neuroprotective effects of resveratrol and epigallocatechin gallate polyphenols are mediated by the activation of protein kinase C gamma. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 281.	3.7	70

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19	Group 1 Metabotropic Glutamate Receptor Function and Its Regulation of Learning and Memory in the Aging Brain. <i>Frontiers in Pharmacology</i> , 2012, 3, 182.	3.5	69
20	Neurobiology of resilience in depression: immune and vascular insights from human and animal studies. <i>European Journal of Neuroscience</i> , 2021, 53, 183-221.	2.6	68
21	Multidimensional Predictors of Susceptibility and Resilience to Social Defeat Stress. <i>Biological Psychiatry</i> , 2019, 86, 483-491.	1.3	64
22	Cell-type-specific role for nucleus accumbens neuroligin-2 in depression and stress susceptibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1111-1116.	7.1	61
23	Sub-chronic variable stress induces sex-specific effects on glutamatergic synapses in the nucleus accumbens. <i>Neuroscience</i> , 2017, 350, 180-189.	2.3	56
24	Inflammation-driven brain and gut barrier dysfunction in stress and mood disorders. <i>European Journal of Neuroscience</i> , 2022, 55, 2851-2894.	2.6	54
25	Cell-Type-Specific Role of $\delta$ FosB in Nucleus Accumbens In Modulating Intermale Aggression. <i>Journal of Neuroscience</i> , 2018, 38, 5913-5924.	3.6	52
26	Parkinson's Disease-Linked LRRK2-G2019S Mutation Alters Synaptic Plasticity and Promotes Resilience to Chronic Social Stress in Young Adulthood. <i>Journal of Neuroscience</i> , 2018, 38, 9700-9711.	3.6	51
27	Depression and Social Defeat Stress Are Associated with Inhibitory Synaptic Changes in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 2020, 40, 6228-6233.	3.6	50
28	Impaired structural hippocampal plasticity is associated with emotional and memory deficits in the olfactory bulbectomized rat. <i>Neuroscience</i> , 2013, 236, 233-243.	2.3	47
29	Postsynaptic injection of calcium-independent phospholipase A2 inhibitors selectively increases AMPA receptor-mediated synaptic transmission. <i>Hippocampus</i> , 2004, 14, 319-325.	1.9	36
30	Integrative Analysis of Sex-Specific microRNA Networks Following Stress in Mouse Nucleus Accumbens. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 144.	2.9	35
31	Role of Monocyte-Derived MicroRNA106b <sup>1/4</sup> 25 in Resilience to Social Stress. <i>Biological Psychiatry</i> , 2019, 86, 474-482.	1.3	35
32	AMPA receptor-mediated cell death is reduced by docosahexaenoic acid but not by eicosapentaenoic acid in area CA1 of hippocampal slice cultures. <i>Journal of Neuroscience Research</i> , 2009, 87, 876-886.	2.9	34
33	Sex differences in the blood-brain barrier: Implications for mental health. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100989.	5.2	31
34	Glutamate presynaptic vesicular transporter and postsynaptic receptor levels correlate with spatial memory status in aging rat models. <i>Neurobiology of Aging</i> , 2015, 36, 1471-1482.	3.1	30
35	AMPA receptor phosphorylation is selectively regulated by constitutive phospholipase A2 and 5-lipoxygenase activities. <i>Hippocampus</i> , 2005, 15, 370-380.	1.9	28
36	Genomic and proteomic strategies to identify novel targets potentially involved in learning and memory. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 43-52.	8.7	28

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37	Knockdown of Prodynorphin Gene Prevents Cognitive Decline, Reduces Anxiety, and Rescues Loss of Group 1 Metabotropic Glutamate Receptor Function in Aging. <i>Journal of Neuroscience</i> , 2013, 33, 12792-12804.	3.6	26
38	Possible Role of Dynorphins in Alzheimer's Disease and Age-Related Cognitive Deficits. <i>Neurodegenerative Diseases</i> , 2014, 13, 82-85.	1.4	25
39	The Tyrosine Phosphatase STEP Is Involved in Age-Related Memory Decline. <i>Current Biology</i> , 2018, 28, 1079-1089.e4.	3.9	20
40	A novel role for calcium-independent phospholipase A2 in $\hat{\iota}$ -amino-3-hydroxy-5-methylisoxazole-propionate receptor regulation during long-term potentiation. <i>European Journal of Neuroscience</i> , 2006, 23, 505-513.	2.6	18
41	The immune marker CD68 correlates with cognitive impairment in normally aged rats. <i>Neurobiology of Aging</i> , 2013, 34, 1971-1976.	3.1	18
42	Glutamatergic signaling and low prodynorphin expression are associated with intact memory and reduced anxiety in rat models of healthy aging. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 81.	3.4	17
43	Signaling Pathways Relevant to Cognition-Enhancing Drug Targets. <i>Handbook of Experimental Pharmacology</i> , 2015, 228, 59-98.	1.8	17
44	Phosphorylation of AMPA receptor subunits is differentially regulated by phospholipase A2 inhibitors. <i>Neuroscience Letters</i> , 2005, 389, 51-56.	2.1	16
45	LRRK2 mutation alters behavioral, synaptic, and nonsynaptic adaptations to acute social stress. <i>Journal of Neurophysiology</i> , 2020, 123, 2382-2389.	1.8	16
46	Neuromodulatory effect of interleukin $\hat{1}^2$ in the dorsal raphe nucleus on individual differences in aggression. <i>Molecular Psychiatry</i> , 2022, 27, 2563-2579.	7.9	14
47	Strain-related variations of AMPA receptor modulation by calcium-dependent mechanisms in the hippocampus: contribution of lipoxygenase metabolites of arachidonic acid. <i>Brain Research</i> , 2004, 1010, 134-143.	2.2	12
48	Inflamed Astrocytes: A Path to Depression Led by Menin. <i>Neuron</i> , 2018, 100, 511-513.	8.1	11
49	Central and peripheral stress-induced epigenetic mechanisms of resilience. <i>Current Opinion in Psychiatry</i> , 2021, 34, 1-9.	6.3	9
50	Calcium-independent phospholipase A <sub>2</sub> influences AMPA-mediated toxicity of hippocampal slices by regulating the GluR1 subunit in synaptic membranes. <i>Hippocampus</i> , 2007, 17, 1109-1120.	1.9	8
51	Non-invasive chemogenetics. <i>Nature Biomedical Engineering</i> , 2018, 2, 467-468.	22.5	4
52	An Indigenous Lens on Priorities for the Canadian Brain Research Strategy. <i>Canadian Journal of Neurological Sciences</i> , 2023, 50, 96-98.	0.5	4
53	87. Social Stress Induces Neurovascular Pathology Promoting Immune Infiltration and Depression. <i>Biological Psychiatry</i> , 2018, 83, S36.	1.3	3
54	The Canadian Brain Research Strategy: A Focus on Early Career Researchers. <i>Canadian Journal of Neurological Sciences</i> , 2022, 49, 168-170.	0.5	1

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55	O4-09-03: LOW HIPPOCAMPAL PRODYNORPHIN LEVELS ARE ASSOCIATED WITH MAINTENANCE OF MEMORY IN VARIOUS AGING RODENT MODELS. , 2014, 10, P269-P269.		0
56	86. Role of the Epigenetic Agent Acetyl-L-Carnitine as Gating Biomarker in Depression and Influences of Childhood Trauma. Biological Psychiatry, 2018, 83, S35-S36.	1.3	0
57	201. Stress Resilience vs. Vulnerability in Mood disorders, an Integrative Biological Approach. Biological Psychiatry, 2019, 85, S83-S84.	1.3	0
58	Social Stress Induces Blood-Brain Barrier Leakiness and Molecular Alterations Promoting Depression or Stress Resilience. Biological Psychiatry, 2020, 87, S14-S15.	1.3	0