

# Nathalie Castanon

## List of Publications by Year in descending order

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57  
papers

5,160  
citations

101496

36  
h-index

197736

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interferon- $\beta$ and Tumor Necrosis Factor- $\alpha$ Mediate the Upregulation of Indoleamine 2,3-Dioxygenase and the Induction of Depressive-Like Behavior in Mice in Response to Bacillus Calmette-Guérin. <i>Journal of Neuroscience</i> , 2009, 29, 4200-4209.	1.7	441
2	Lipopolysaccharide induces delayed FosB/DeltaFosB immunostaining within the mouse extended amygdala, hippocampus and hypothalamus, that parallel the expression of depressive-like behavior. <i>Psychoneuroendocrinology</i> , 2007, 32, 516-531.	1.3	381
3	Altered depression-related behaviors and functional changes in the dorsal raphe nucleus of serotonin transporter-deficient mice. <i>Biological Psychiatry</i> , 2003, 54, 960-971.	0.7	338
4	Increased vulnerability to cocaine in mice lacking the serotonin-1B receptor. <i>Nature</i> , 1998, 393, 175-178.	13.7	309
5	Induction of IDO by Bacille Calmette-Guérin Is Responsible for Development of Murine Depressive-Like Behavior. <i>Journal of Immunology</i> , 2009, 182, 3202-3212.	0.4	279
6	Aging Exacerbates Depressive-like Behavior in Mice in Response to Activation of the Peripheral Innate Immune System. <i>Neuropsychopharmacology</i> , 2008, 33, 2341-2351.	2.8	267
7	Impairment of hippocampal-dependent memory induced by juvenile high-fat diet intake is associated with enhanced hippocampal inflammation in rats. <i>Brain, Behavior, and Immunity</i> , 2014, 40, 9-17.	2.0	263
8	Cognitive and Emotional Alterations Are Related to Hippocampal Inflammation in a Mouse Model of Metabolic Syndrome. <i>PLoS ONE</i> , 2011, 6, e24325.	1.1	206
9	Diet-induced obesity progressively alters cognition, anxiety-like behavior and lipopolysaccharide-induced depressive-like behavior: Focus on brain indoleamine 2,3-dioxygenase activation. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 10-21.	2.0	190
10	Central injection of IL-10 antagonizes the behavioural effects of lipopolysaccharide in rats. <i>Psychoneuroendocrinology</i> , 1999, 24, 301-311.	1.3	162
11	Inoculation of Bacillus Calmette-Guerin to mice induces an acute episode of sickness behavior followed by chronic depressive-like behavior. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 1087-1095.	2.0	142
12	Role of neuroinflammation in the emotional and cognitive alterations displayed by animal models of obesity. <i>Frontiers in Neuroscience</i> , 2015, 9, 229.	1.4	138
13	Effects of antidepressants on cytokine production and actions. <i>Brain, Behavior, and Immunity</i> , 2002, 16, 569-574.	2.0	130
14	Chronic treatment with the atypical antidepressant tianeptine attenuates sickness behavior induced by peripheral but not central lipopolysaccharide and interleukin- $1\beta$ in the rat. <i>Psychopharmacology</i> , 2001, 154, 50-60.	1.5	125
15	Neuropsychiatric Comorbidity in Obesity: Role of Inflammatory Processes. <i>Frontiers in Endocrinology</i> , 2014, 5, 74.	1.5	124
16	Role of Adiposity-Driven Inflammation in Depressive Morbidity. <i>Neuropsychopharmacology</i> , 2017, 42, 115-128.	2.8	124
17	Spatio-temporal differences in the profile of murine brain expression of proinflammatory cytokines and indoleamine 2,3-dioxygenase in response to peripheral lipopolysaccharide administration. <i>Journal of Neuroimmunology</i> , 2008, 200, 90-99.	1.1	104
18	Bacille Calmette-Guérin Inoculation Induces Chronic Activation of Peripheral and Brain Indoleamine 2,3-Dioxygenase in Mice. <i>Journal of Infectious Diseases</i> , 2005, 192, 537-544.	1.9	95

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19	Modulation of the effects of cocaine by 5-HT1B receptors: a comparison of knockouts and antagonists. <i>Pharmacology Biochemistry and Behavior</i> , 2000, 67, 559-566.	1.3	92
20	Male Fischer 344 and Lewis rats display differences in locomotor reactivity, but not in anxiety-related behaviours: relationship with the hippocampal serotonergic system. <i>Brain Research</i> , 1995, 693, 169-178.	1.1	86
21	Impact of prebiotics on metabolic and behavioral alterations in a mouse model of metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 33-49.	2.0	85
22	Multiple neuroendocrine responses to chronic social stress: Interaction between individual characteristics and situational factors. <i>Physiology and Behavior</i> , 1990, 47, 1099-1105.	1.0	83
23	Juvenile Obesity Enhances Emotional Memory and Amygdala Plasticity through Glucocorticoids. <i>Journal of Neuroscience</i> , 2015, 35, 4092-4103.	1.7	80
24	Lipopolysaccharide-induced brain activation of the indoleamine 2,3-dioxygenase and depressive-like behavior are impaired in a mouse model of metabolic syndrome. <i>Psychoneuroendocrinology</i> , 2014, 40, 48-59.	1.3	71
25	Brain Kynurenine and BH4 Pathways: Relevance to the Pathophysiology and Treatment of Inflammation-Driven Depressive Symptoms. <i>Frontiers in Neuroscience</i> , 2018, 12, 499.	1.4	63
26	Cocaine sensitivity in roman high and low avoidance rats is modulated by sex and gonadal hormone status. <i>Brain Research</i> , 1994, 645, 179-185.	1.1	56
27	Switching Adolescent High-Fat Diet to Adult Control Diet Restores Neurocognitive Alterations. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 225.	1.0	56
28	Perinatal high-fat diet increases hippocampal vulnerability to the adverse effects of subsequent high-fat feeding. <i>Psychoneuroendocrinology</i> , 2015, 53, 82-93.	1.3	54
29	Genetic analysis of the relationships between behavioral and neuroendocrine traits in roman high and low avoidance rat lines. <i>Behavior Genetics</i> , 1995, 25, 371-384.	1.4	49
30	Chronic administration of tianeptine balances lipopolysaccharide-induced expression of cytokines in the spleen and hypothalamus of rats. <i>Psychoneuroendocrinology</i> , 2004, 29, 778-790.	1.3	48
31	Role of Inflammation in the Development of Neuropsychiatric Symptom Domains: Evidence and Mechanisms. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 31, 31-44.	0.8	48
32	Chronic treatment with the antidepressant tianeptine attenuates lipopolysaccharide-induced Fos expression in the rat paraventricular nucleus and HPA axis activation. <i>Psychoneuroendocrinology</i> , 2003, 28, 19-34.	1.3	46
33	Paradoxical differences in animal models of anxiety among the Roman rat lines. <i>Neuroscience Letters</i> , 1994, 182, 217-221.	1.0	44
34	Chronic Mild Stress in Mice Decreases Peripheral Cytokine and Increases Central Cytokine Expression Independently of IL-10 Regulation of the Cytokine Network. <i>NeuroImmunoModulation</i> , 2002, 10, 359-366.	0.9	44
35	Maturation of the behavioral and neuroendocrine differences between the Roman rat lines. <i>Physiology and Behavior</i> , 1994, 55, 775-782.	1.0	42
36	Prolactin as a link between behavioral and immune differences between the Roman rat lines. <i>Physiology and Behavior</i> , 1992, 51, 1235-1241.	1.0	37

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37	The gut microbiota metabolite indole increases emotional responses and adrenal medulla activity in chronically stressed male mice. <i>Psychoneuroendocrinology</i> , 2020, 119, 104750.	1.3	37
38	Brain tumor necrosis factor- $\hat{\pm}$ mediates anxiety-like behavior in a mouse model of severe obesity. <i>Brain, Behavior, and Immunity</i> , 2019, 77, 25-36.	2.0	36
39	Different responsiveness of spleen lymphocytes from two lines of psychogenetically selected rats (Roman high and low avoidance). <i>Journal of Neuroimmunology</i> , 1991, 31, 27-33.	1.1	33
40	Conditioned taste aversion with lipopolysaccharide and peptidoglycan does not activate cytokine gene expression in the spleen and hypothalamus of mice. <i>Brain, Behavior, and Immunity</i> , 2004, 18, 186-200.	2.0	32
41	Saffron Extract-Induced Improvement of Depressive-Like Behavior in Mice Is Associated with Modulation of Monoaminergic Neurotransmission. <i>Nutrients</i> , 2021, 13, 904.	1.7	17
42	Is There Evidence for an Effect of Antidepressant Drugs on Immune Function?. <i>Advances in Experimental Medicine and Biology</i> , 1999, 461, 267-281.	0.8	16
43	Conditioned place aversion with interleukin-1 $\hat{2}$ in mice is not associated with activation of the cytokine network. <i>Brain, Behavior, and Immunity</i> , 2003, 17, 110-120.	2.0	14
44	Circulating Human Serum Metabolites Derived from the Intake of a Saffron Extract (Safrâ€™InsideTM) Protect Neurons from Oxidative Stress: Consideration for Depressive Disorders. <i>Nutrients</i> , 2022, 14, 1511.	1.7	12
45	Cytokines, Sickness Behavior, and Depression. , 2007, , 281-318.		11
46	Prevention of Stress-Induced Depressive-like Behavior by Saffron Extract Is Associated with Modulation of Kynurenine Pathway and Monoamine Neurotransmission. <i>Pharmaceutics</i> , 2021, 13, 2155.	2.0	9
47	Nutrigenomic modification induced by anthocyanin-rich bilberry extract in the hippocampus of ApoE-/- mice. <i>Journal of Functional Foods</i> , 2021, 85, 104609.	1.6	8
48	A new experimental design to study inflammation-related versus non-inflammation-related depression in mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 290.	3.1	8
49	Emerging Role of Corticosteroid-Binding Globulin in Glucocorticoid-Driven Metabolic Disorders. <i>Frontiers in Endocrinology</i> , 2016, 7, 160.	1.5	7
50	Rapeseed oil fortified with micronutrients improves cognitive alterations associated with metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , 2020, 84, 23-35.	2.0	7
51	Inflammation, sickness behaviour and depression. , 0, , 265-279.		4
52	Role of Inflammation in Neuropsychiatric Comorbidity of Obesity: Experimental and Clinical Evidence. , 2018, , 357-375.		3
53	Obesity and Depression: Shared Pathophysiology and Translational Implications. , 2019, , 169-183.		2
54	Animal Models to Study the Role of Kynurenine Pathway in Mood, Behavior, and Cognition. , 2015, , 323-337.		1

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55	Cytokines and depression: experimental evidence and intermediate mechanisms. , 2009, , 123-138.		1
56	Inflammatory Bases of Neuropsychiatric Symptom Domains: Mechanisms and Specificity. , 2021, , 335-353.		0
57	L'origine inflammatoire de la dépression. Pour la science Fr, 2019, N° 497 - mars, 34-41.	0.0	0