Agnes Nadjar

List of Publications by Year
in descending order

58 papers	3,252 citations	159585 30 h-index	155660 55 g-index
63 all docs	63 docs citations	63 times ranked	4368 citing authors

#	Article	IF	Citations
1	Microglia modulate hippocampal synaptic transmission and sleep duration along the light/dark cycle. Glia, 2022, 70, 89-105.	4.9	43
2	Nâ€3 PUFA deficiency disrupts oligodendrocyte maturation and myelin integrity during brain development. Glia, 2022, 70, 50-70.	4.9	12
3	N-3 PUFA Deficiency Affects the Ultrastructural Organization and Density of White Matter Microglia in the Developing Brain of Male Mice. Frontiers in Cellular Neuroscience, 2022, 16, 802411.	3.7	7
4	Susceptibility of Female Mice to the Dietary Omega-3/Omega-6 Fatty-Acid Ratio: Effects on Adult Hippocampal Neurogenesis and Glia. International Journal of Molecular Sciences, 2022, 23, 3399.	4.1	5
5	Maternal dietary omega-3 deficiency worsens the deleterious effects of prenatal inflammation on the gut-brain axis in the offspring across lifetime. Neuropsychopharmacology, 2021, 46, 579-602.	5.4	16
6	Microgliaâ€"Neuron Crosstalk in Obesity: Melodious Interaction or Kiss of Death?. International Journal of Molecular Sciences, 2021, 22, 5243.	4.1	10
7	Microglial Cannabinoid Type 1 Receptor Regulates Brain Inflammation in a Sex-Specific Manner. Cannabis and Cannabinoid Research, 2021, , .	2.9	18
8	Complement C3 mediates early hippocampal neurodegeneration and memory impairment in experimental multiple sclerosis. Neurobiology of Disease, 2021, 160, 105533.	4.4	21
9	Dietary N-3 PUFA deficiency affects sleep-wake activity in basal condition and in response to an inflammatory challenge in mice. Brain, Behavior, and Immunity, 2020, 85, 162-169.	4.1	9
10	Brain eicosapentaenoic acid metabolism as a lead for novel therapeutics in major depression. Brain, Behavior, and Immunity, 2020, 85, 21-28.	4.1	45
11	Essential omega-3 fatty acids tune microglial phagocytosis of synaptic elements in the mouse developing brain. Nature Communications, 2020, 11, 6133.	12.8	88
12	Role of Glia in the Regulation of Sleep in Health and Disease. , 2020, 10, 687-712.		30
13	Dietary n-3 long chain PUFA supplementation promotes a pro-resolving oxylipin profile in the brain. Brain, Behavior, and Immunity, 2019, 76, 17-27.	4.1	50
14	n-3 Long-Chain PUFA-Containing Phospholipids and Neuroprotection. , 2019, , 249-265.		0
15	Direct and indirect effects of lipids on microglia function. Neuroscience Letters, 2019, 708, 134348.	2.1	23
16	Maternal n-3 polyunsaturated fatty acid dietary supply modulates microglia lipid content in the offspring. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 133, 1-7.	2.2	36
17	Anti-Inflammatory Effects of Omega-3 Fatty Acids in the Brain: Physiological Mechanisms and Relevance to Pharmacology. Pharmacological Reviews, 2018, 70, 12-38.	16.0	285
18	Antiinflammatory Properties of Dietary n-3 Polyunsaturated Fatty Acids Protect Against Cognitive Decline in Aging and Neurodegenerative Diseases. , 2018, , 367-384.		0

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19	Role of metabolic programming in the modulation of microglia phagocytosis by lipids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 135, 63-73.	2.2	34
20	Dietary omega-3 deficiency exacerbates inflammation and reveals spatial memory deficits in mice exposed to lipopolysaccharide during gestation. Brain, Behavior, and Immunity, 2018, 73, 427-440.	4.1	63
21	Bioactive lipids as new class of microglial modulators: When nutrition meets neuroimunology. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 19-26.	4.8	27
22	Inhibiting Microglia Expansion Prevents Diet-Induced Hypothalamic and Peripheral Inflammation. Diabetes, 2017, 66, 908-919.	0.6	127
23	Roles of Microglial Phagocytosis and Inflammatory Mediators in the Pathophysiology of Sleep Disorders. Frontiers in Cellular Neuroscience, 2017, 11, 250.	3.7	40
24	Neuroinflammation in Autism: Plausible Role of Maternal Inflammation, Dietary Omega 3, and Microbiota. Neural Plasticity, 2016, 2016, 1-15.	2.2	88
25	N-3 PUFAs and neuroinflammatory processes in cognitive disorders. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D103.	1.4	3
26	Modulation of brain PUFA content in different experimental models of mice. Prostaglandins Leukotrienes and Essential Fatty Acids, 2016, 114, 1-10.	2.2	67
27	Enriched dairy fat matrix diet prevents early life lipopolysaccharide-induced spatial memory impairment at adulthood. Prostaglandins Leukotrienes and Essential Fatty Acids, 2016, 113, 9-18.	2.2	14
28	Role of n-3 PUFAs in inflammation<i>via</i>resolvin biosynthesis. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D104.	1.4	0
29	Resolvin D1 and E1 promote resolution of inflammation in microglial cells in vitro. Brain, Behavior, and Immunity, 2016, 55, 249-259.	4.1	117
30	Neuronal Hyperactivity Disturbs ATP Microgradients, Impairs Microglial Motility, and Reduces Phagocytic Receptor Expression Triggering Apoptosis/Microglial Phagocytosis Uncoupling. PLoS Biology, 2016, 14, e1002466.	5.6	140
31	N-3 polyunsaturated fatty acid and neuroinflammation in aging and Alzheimerâ€™s disease. Nutrition and Aging (Amsterdam, Netherlands), 2015, 3, 33-47.	0.3	13
32	Microglia in neuronal plasticity: Influence of stress. Neuropharmacology, 2015, 96, 19-28.	4.1	122
33	Microglial Activation Enhances Associative Taste Memory through Purinergic Modulation of Glutamatergic Neurotransmission. Journal of Neuroscience, 2015, 35, 3022-3033.	3.6	27
34	Dietary n-3 PUFAs Deficiency Increases Vulnerability to Inflammation-Induced Spatial Memory Impairment. Neuropsychopharmacology, 2015, 40, 2774-2787.	5.4	79
35	Transgenic Increase in n-3/n-6 Fatty Acid Ratio Protects Against Cognitive Deficits Induced by an Immune Challenge through Decrease of Neuroinflammation. Neuropsychopharmacology, 2015, 40, 525-536.	5.4	74
36	Mechanisms Involved in Dual Vasopressin/Apelin Neuron Dysfunction during Aging. PLoS ONE, 2014, 9, e87421.	2.5	23

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37	n-3 LCPUFA improves cognition: The young, the old and the sick. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 91, 1-20.	2.2	97
38	Nutritional n-3 PUFAs deficiency during perinatal periods alters brain innate immune system and neuronal plasticity-associated genes. Brain, Behavior, and Immunity, 2014, 41, 22-31.	4.1	119
39	N-3 Polyunsaturated Fatty Acid and Neuroinflammation in Aging: Role in Cognition. AAPS Advances in the Pharmaceutical Sciences Series, 2014, , 91-112.	0.6	0
40	Early morphofunctional plasticity of microglia in response to acute lipopolysaccharide. Brain, Behavior, and Immunity, 2013, 34, 151-158.	4.1	59
41	Astrocyteâ€derived adenosine modulates increased sleep pressure during inflammatory response. Glia, 2013, 61, 724-731.	4.9	57
42	Short-Term Long Chain Omega3 Diet Protects from Neuroinflammatory Processes and Memory Impairment in Aged Mice. PLoS ONE, 2012, 7, e36861.	2.5	168
43	Evolution of the dynamic properties of the cortexâ€"basal ganglia network after dopaminergic depletion in rats. Neurobiology of Disease, 2012, 46, 402-413.	4.4	33
44	Neuroinflammation and aging: influence of dietary n-3 polyunsaturated fatty acid. Oleagineux Corps Gras Lipides, 2011, 18, 301-306.	0.2	2
45	Brain cyclooxygenase-2 mediates interleukin-1-induced cellular activation in preoptic and arcuate hypothalamus, but not sickness symptoms. Neurobiology of Disease, 2010, 39, 393-401.	4.4	8
46	Interleukin-6 activates arginine vasopressin neurons in the supraoptic nucleus during immune challenge in rats. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E1289-E1299.	3.5	50
47	High frequency stimulation of the entopeduncular nucleus sets the cortico-basal ganglia network to a new functional state in the dystonic hamster. Neurobiology of Disease, 2009, 35, 399-405.	4.4	12
48	IGF-1 signaling reduces neuro-inflammatory response and sensitivity of neurons to MPTP. Neurobiology of Aging, 2009, 30, 2021-2030.	3.1	36
49	Priming for l-dopa-induced dyskinesia in Parkinsonâ€™s disease: A feature inherent to the treatment or the disease?. Progress in Neurobiology, 2009, 87, 1-9.	5.7	116
50	The 3-Hydroxy-3-Methylglutaryl-CoA Reductase Inhibitor Lovastatin Reduces Severity of l-DOPA-Induced Abnormal Involuntary Movements in Experimental Parkinson's Disease. Journal of Neuroscience, 2008, 28, 4311-4316.	3.6	83
51	Subthalamic stimulation increases striatal tyrosine hydroxylase phosphorylation. NeuroReport, 2008, 19, 179-182.	1.2	7
52	Shaping of Motor Responses by Incentive Values through the Basal Ganglia. Journal of Neuroscience, 2007, 27, 1176-1183.	3.6	106
53	RGS9â€"2 Negatively Modulates l-3,4-Dihydroxyphenylalanine-Induced Dyskinesia in Experimental Parkinson's Disease. Journal of Neuroscience, 2007, 27, 14338-14348.	3.6	116
54	Phenotype of Striatofugal Medium Spiny Neurons in Parkinsonian and Dyskinetic Nonhuman Primates: A Call for a Reappraisal of the Functional Organization of the Basal Ganglia. Journal of Neuroscience, 2006, 26, 8653-8661.	3.6	76

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55	NFÎºB Activates<i>in vivo</i>the Synthesis of Inducible Cox-2 in the Brain. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1047-1059.	4.3	73
56	Inactivation of the Cerebral NFÎºB Pathway Inhibits Interleukin-1Î²-Induced Sickness Behavior and c-Fos Expression in Various Brain Nuclei. Neuropsychopharmacology, 2005, 30, 1492-1499.	5.4	118
57	Signaling pathways of interleukin-1 actions in the brain: Anatomical distribution of phospho-ERK1/2 in the brain of rat treated systemically with interleukin-1Î². Neuroscience, 2005, 134, 921-932.	2.3	27
58	Nuclear factor ÎºB nuclear translocation as a crucial marker of brain response to interleukin-1. A study in rat and interleukin-1 type I deficient mouse. Journal of Neurochemistry, 2004, 87, 1024-1036.	3.9	76