

Agnes Nadjar

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Anti-Inflammatory Effects of Omega-3 Fatty Acids in the Brain: Physiological Mechanisms and Relevance to Pharmacology. <i>Pharmacological Reviews</i> , 2018, 70, 12-38. | 16.0 | 285 |
| 2 | Short-Term Long Chain Omega3 Diet Protects from Neuroinflammatory Processes and Memory Impairment in Aged Mice. <i>PLoS ONE</i> , 2012, 7, e36861. | 2.5 | 168 |
| 3 | Neuronal Hyperactivity Disturbs ATP Microgradients, Impairs Microglial Motility, and Reduces Phagocytic Receptor Expression Triggering Apoptosis/Microglial Phagocytosis Uncoupling. <i>PLoS Biology</i> , 2016, 14, e1002466. | 5.6 | 140 |
| 4 | Inhibiting Microglia Expansion Prevents Diet-Induced Hypothalamic and Peripheral Inflammation. <i>Diabetes</i> , 2017, 66, 908-919. | 0.6 | 127 |
| 5 | Microglia in neuronal plasticity: Influence of stress. <i>Neuropharmacology</i> , 2015, 96, 19-28. | 4.1 | 122 |
| 6 | Nutritional n-3 PUFAs deficiency during perinatal periods alters brain innate immune system and neuronal plasticity-associated genes. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 22-31. | 4.1 | 119 |
| 7 | Inactivation of the Cerebral NF κ B Pathway Inhibits Interleukin-1 β -Induced Sickness Behavior and c-Fos Expression in Various Brain Nuclei. <i>Neuropsychopharmacology</i> , 2005, 30, 1492-1499. | 5.4 | 118 |
| 8 | Resolvin D1 and E1 promote resolution of inflammation in microglial cells in vitro. <i>Brain, Behavior, and Immunity</i> , 2016, 55, 249-259. | 4.1 | 117 |
| 9 | RGS9 α Negatively Modulates L-3,4-Dihydroxyphenylalanine-Induced Dyskinesia in Experimental Parkinson's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 14338-14348. | 3.6 | 116 |
| 10 | Priming for l-dopa-induced dyskinesia in Parkinson's disease: A feature inherent to the treatment or the disease?. <i>Progress in Neurobiology</i> , 2009, 87, 1-9. | 5.7 | 116 |
| 11 | Shaping of Motor Responses by Incentive Values through the Basal Ganglia. <i>Journal of Neuroscience</i> , 2007, 27, 1176-1183. | 3.6 | 106 |
| 12 | n-3 LCPUFA improves cognition: The young, the old and the sick. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 1-20. | 2.2 | 97 |
| 13 | Neuroinflammation in Autism: Plausible Role of Maternal Inflammation, Dietary Omega 3, and Microbiota. <i>Neural Plasticity</i> , 2016, 2016, 1-15. | 2.2 | 88 |
| 14 | Essential omega-3 fatty acids tune microglial phagocytosis of synaptic elements in the mouse developing brain. <i>Nature Communications</i> , 2020, 11, 6133. | 12.8 | 88 |
| 15 | The 3-Hydroxy-3-Methylglutaryl-CoA Reductase Inhibitor Lovastatin Reduces Severity of l-DOPA-Induced Abnormal Involuntary Movements in Experimental Parkinson's Disease. <i>Journal of Neuroscience</i> , 2008, 28, 4311-4316. | 3.6 | 83 |
| 16 | Dietary n-3 PUFAs Deficiency Increases Vulnerability to Inflammation-Induced Spatial Memory Impairment. <i>Neuropsychopharmacology</i> , 2015, 40, 2774-2787. | 5.4 | 79 |
| 17 | Nuclear factor κ B nuclear translocation as a crucial marker of brain response to interleukin-1. A study in rat and interleukin-1 type I deficient mouse. <i>Journal of Neurochemistry</i> , 2004, 87, 1024-1036. | 3.9 | 76 |
| 18 | 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. <i>Journal of Neuroscience</i> , 2006, 26, 8653-8661. | 3.6 | 76 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Transgenic Increase in n-3/n-6 Fatty Acid Ratio Protects Against Cognitive Deficits Induced by an Immune Challenge through Decrease of Neuroinflammation. <i>Neuropsychopharmacology</i> , 2015, 40, 525-536. | 5.4 | 74 |
| 20 | NF- κ B Activates <i>in vivo</i> the Synthesis of Inducible Cox-2 in the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1047-1059. | 4.3 | 73 |
| 21 | Modulation of brain PUFA content in different experimental models of mice. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 114, 1-10. | 2.2 | 67 |
| 22 | Dietary omega-3 deficiency exacerbates inflammation and reveals spatial memory deficits in mice exposed to lipopolysaccharide during gestation. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 427-440. | 4.1 | 63 |
| 23 | Early morphofunctional plasticity of microglia in response to acute lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2013, 34, 151-158. | 4.1 | 59 |
| 24 | Astrocyte-derived adenosine modulates increased sleep pressure during inflammatory response. <i>Glia</i> , 2013, 61, 724-731. | 4.9 | 57 |
| 25 | Interleukin-6 activates arginine vasopressin neurons in the supraoptic nucleus during immune challenge in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1289-E1299. | 3.5 | 50 |
| 26 | Dietary n-3 long chain PUFA supplementation promotes a pro-resolving oxylipin profile in the brain. <i>Brain, Behavior, and Immunity</i> , 2019, 76, 17-27. | 4.1 | 50 |
| 27 | Brain eicosapentaenoic acid metabolism as a lead for novel therapeutics in major depression. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 21-28. | 4.1 | 45 |
| 28 | Microglia modulate hippocampal synaptic transmission and sleep duration along the light/dark cycle. <i>Glia</i> , 2022, 70, 89-105. | 4.9 | 43 |
| 29 | Roles of Microglial Phagocytosis and Inflammatory Mediators in the Pathophysiology of Sleep Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 250. | 3.7 | 40 |
| 30 | IGF-1 signaling reduces neuro-inflammatory response and sensitivity of neurons to MPTP. <i>Neurobiology of Aging</i> , 2009, 30, 2021-2030. | 3.1 | 36 |
| 31 | Maternal n-3 polyunsaturated fatty acid dietary supply modulates microglia lipid content in the offspring. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 133, 1-7. | 2.2 | 36 |
| 32 | Role of metabolic programming in the modulation of microglia phagocytosis by lipids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 135, 63-73. | 2.2 | 34 |
| 33 | Evolution of the dynamic properties of the cortex-basal ganglia network after dopaminergic depletion in rats. <i>Neurobiology of Disease</i> , 2012, 46, 402-413. | 4.4 | 33 |
| 34 | Role of Glia in the Regulation of Sleep in Health and Disease. , 2020, 10, 687-712. | | 30 |
| 35 | Signaling pathways of interleukin-1 actions in the brain: Anatomical distribution of phospho-ERK1/2 in the brain of rat treated systemically with interleukin-1 β . <i>Neuroscience</i> , 2005, 134, 921-932. | 2.3 | 27 |
| 36 | Microglial Activation Enhances Associative Taste Memory through Purinergic Modulation of Glutamatergic Neurotransmission. <i>Journal of Neuroscience</i> , 2015, 35, 3022-3033. | 3.6 | 27 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Bioactive lipids as new class of microglial modulators: When nutrition meets neuroimmunology. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 19-26. | 4.8 | 27 |
| 38 | Mechanisms Involved in Dual Vasopressin/Apelin Neuron Dysfunction during Aging. <i>PLoS ONE</i> , 2014, 9, e87421. | 2.5 | 23 |
| 39 | Direct and indirect effects of lipids on microglia function. <i>Neuroscience Letters</i> , 2019, 708, 134348. | 2.1 | 23 |
| 40 | Complement C3 mediates early hippocampal neurodegeneration and memory impairment in experimental multiple sclerosis. <i>Neurobiology of Disease</i> , 2021, 160, 105533. | 4.4 | 21 |
| 41 | Microglial Cannabinoid Type 1 Receptor Regulates Brain Inflammation in a Sex-Specific Manner. <i>Cannabis and Cannabinoid Research</i> , 2021, . | 2.9 | 18 |
| 42 | Maternal dietary omega-3 deficiency worsens the deleterious effects of prenatal inflammation on the gut-brain axis in the offspring across lifetime. <i>Neuropsychopharmacology</i> , 2021, 46, 579-602. | 5.4 | 16 |
| 43 | Enriched dairy fat matrix diet prevents early life lipopolysaccharide-induced spatial memory impairment at adulthood. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 113, 9-18. | 2.2 | 14 |
| 44 | N-3 polyunsaturated fatty acid and neuroinflammation in aging and Alzheimer's disease. <i>Nutrition and Aging</i> (Amsterdam, Netherlands), 2015, 3, 33-47. | 0.3 | 13 |
| 45 | High frequency stimulation of the entopeduncular nucleus sets the cortico-basal ganglia network to a new functional state in the dystonic hamster. <i>Neurobiology of Disease</i> , 2009, 35, 399-405. | 4.4 | 12 |
| 46 | n-3 PUFA deficiency disrupts oligodendrocyte maturation and myelin integrity during brain development. <i>Glia</i> , 2022, 70, 50-70. | 4.9 | 12 |
| 47 | Microglia-Neuron Crosstalk in Obesity: Melodious Interaction or Kiss of Death?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5243. | 4.1 | 10 |
| 48 | Dietary N-3 PUFA deficiency affects sleep-wake activity in basal condition and in response to an inflammatory challenge in mice. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 162-169. | 4.1 | 9 |
| 49 | Brain cyclooxygenase-2 mediates interleukin-1-induced cellular activation in preoptic and arcuate hypothalamus, but not sickness symptoms. <i>Neurobiology of Disease</i> , 2010, 39, 393-401. | 4.4 | 8 |
| 50 | Subthalamic stimulation increases striatal tyrosine hydroxylase phosphorylation. <i>NeuroReport</i> , 2008, 19, 179-182. | 1.2 | 7 |
| 51 | N-3 PUFA Deficiency Affects the Ultrastructural Organization and Density of White Matter Microglia in the Developing Brain of Male Mice. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 802411. | 3.7 | 7 |
| 52 | Susceptibility of Female Mice to the Dietary Omega-3/Omega-6 Fatty-Acid Ratio: Effects on Adult Hippocampal Neurogenesis and Glia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3399. | 4.1 | 5 |
| 53 | N-3 PUFAs and neuroinflammatory processes in cognitive disorders. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016, 23, D103. | 1.4 | 3 |
| 54 | Neuroinflammation and aging: influence of dietary n-3 polyunsaturated fatty acid. <i>Oleagineux Corps Gras Lipides</i> , 2011, 18, 301-306. | 0.2 | 2 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | 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 |
| 56 | Antiinflammatory Properties of Dietary n-3 Polyunsaturated Fatty Acids Protect Against Cognitive Decline in Aging and Neurodegenerative Diseases. , 2018, , 367-384. | | 0 |
| 57 | n-3 Long-Chain PUFA-Containing Phospholipids and Neuroprotection. , 2019, , 249-265. | | 0 |
| 58 | 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 |