Jaime EugenÃ-n

List of Publications by Year
in descending order

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38 papers	1,792 citations	471509 17 h-index	395702 33 g-index
39 all docs	39 docs citations	39 times ranked	2992 citing authors

#	Article	IF	Citations
1	Microglial cell dysregulation in brain aging and neurodegeneration. Frontiers in Aging Neuroscience, 2015, 7, 124.	3.4	421
2	Agingâ€dependent changes of microglial cells and their relevance for neurodegenerative disorders. Journal of Neurochemistry, 2010, 112, 1099-1114.	3.9	211
3	Developmental Origin of PreBÃ¶tzinger Complex Respiratory Neurons. Journal of Neuroscience, 2010, 30, 14883-14895.	3.6	175
4	Alzheimer's Disease: Redox Dysregulation As a Common Denominator for Diverse Pathogenic Mechanisms. Antioxidants and Redox Signaling, 2012, 16, 974-1031.	5.4	163
5	Role of TGFÎ² signaling in the pathogenesis of Alzheimerâ€™s disease. Frontiers in Cellular Neuroscience, 2015, 9, 426.	3.7	121
6	Microglial reactivity to Î²-amyloid is modulated by astrocytes and proinflammatory factors. Brain Research, 2004, 1025, 186-193.	2.2	88
7	What Is Neural Plasticity?. Advances in Experimental Medicine and Biology, 2017, 1015, 1-15.	1.6	83
8	Prenatal to Early Postnatal Nicotine Exposure Impairs Central Chemoreception and Modifies Breathing Pattern in Mouse Neonates: A Probable Link to Sudden Infant Death Syndrome. Journal of Neuroscience, 2008, 28, 13907-13917.	3.6	74
9	D-serine released by astrocytes in brainstem regulates breathing response to CO2 levels. Nature Communications, 2017, 8, 838.	12.8	53
10	Pro-inflammatory conditions promote neuronal damage mediated by Amyloid Precursor Protein and decrease its phagocytosis and degradation by microglial cells in culture. Neurobiology of Disease, 2007, 26, 153-164.	4.4	45
11	Respiratory dysfunctions induced by prenatal nicotine exposure. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 1205-1217.	1.9	41
12	The Alteration of Neonatal Raphe Neurons by Prenatalâ€“Perinatal Nicotine. Meaning for Sudden Infant Death Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 489-499.	2.9	39
13	Scavenger Receptor-A deficiency impairs immune response of microglia and astrocytes potentiating Alzheimerâ€™s disease pathophysiology. Brain, Behavior, and Immunity, 2018, 69, 336-350.	4.1	39
14	Chemosensory and cholinergic stimulation of fictive respiration in isolated cns of neonatal opossum. Journal of Physiology, 1997, 501, 425-437.	2.9	38
15	Prenatal nicotine exposure enhances Cx43 and Panx1 unopposed channel activity in brain cells of adult offspring mice fed a high-fat/cholesterol diet. Frontiers in Cellular Neuroscience, 2014, 8, 403.	3.7	33
16	Expression Pattern of Scavenger Receptors and Amyloid-Î² Phagocytosis of Astrocytes and Microglia in Culture are Modified by Acidosis: Implications for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 53, 857-873.	2.6	31
17	Alterations in cholinergic sensitivity of respiratory neurons induced by pre-natal nicotine: a mechanism for respiratory dysfunction in neonatal mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2527-2535.	4.0	24
18	Impact of Aging in Microglia-Mediated D-Serine Balance in the CNS. Mediators of Inflammation, 2018, 2018, 1-11.	3.0	18

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19	Somatostatin inhibition of fictive respiration is modulated by pH. Brain Research, 2004, 1026, 136-142.	2.2	16
20	Respiratory responses to pH in the absence of pontine and dorsal medullary areas in the newborn mouse in vitro. Brain Research, 2003, 984, 198-205.	2.2	14
21	Functional expression of the Î±7 and Î±4-containing nicotinic acetylcholine receptors on the neonatal rat carotid body. Neurochemistry International, 2012, 60, 115-124.	3.8	12
22	Perinatal Fluoxetine Exposure Impairs the CO₂ Chemoreflex. Implications for Sudden Infant Death Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 368-376.	2.9	10
23	Incorporation of amino acids into the axoplasm is enhanced by electrical stimulation of the fiber. Brain Research, 1995, 677, 319-325.	2.2	8
24	In vitro approach to the chemical drive of breathing. Biological Research, 2001, 34, 117-22.	3.4	8
25	Optical analysis of circuitry for respiratory rhythm in isolated brainstem of foetal mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2485-2491.	4.0	5
26	The Onset of the Fetal Respiratory Rhythm: An Emergent Property Triggered by Chemosensory Drive?. Advances in Experimental Medicine and Biology, 2017, 1015, 163-192.	1.6	4
27	Neurodevelopmental Effects of Serotonin on the Brainstem Respiratory Network. Advances in Experimental Medicine and Biology, 2017, 1015, 193-216.	1.6	4
28	TGFÎ²1-Smad3 signaling mediates the formation of a stable serine racemase dimer in microglia.. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140447.	2.3	3
29	pH Sensitivity in the Isolated CNS of Newborn Mouse. Advances in Experimental Medicine and Biology, 2002, 475, 785-788.	1.6	2
30	Commentaries on Viewpoint: The ongoing need for good physiological investigation: Obstructive sleep apnea in HIV patients as a paradigm. Journal of Applied Physiology, 2015, 118, 247-250.	2.5	2
31	Plasticity of cardiovascular chemoreflexes after prolonged unilateral carotid body denervation: implications for its therapeutic use. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1325-H1336.	3.2	2
32	pH Sensitivity of Spinal Cord Rhythm in Fetal Mice in Vitro. Advances in Experimental Medicine and Biology, 2003, 536, 535-539.	1.6	2
33	Electrophysiological properties of rat nodose ganglion neurons co-transplanted with carotid bodies into the chick chorioallantoic membrane. Biological Research, 2005, 38, 329-34.	3.4	2
34	d-serine regulation of the timing and architecture of the inspiratory burst in neonatal mice. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140484.	2.3	1
35	Phenotypic changes of microglia in adult mice brainstem induced by hypercapnia. IBRO Reports, 2019, 6, S386.	0.3	0
36	The impact of aged microglia on d-serine-regulated glutamatergic transmission. , 2021, , 227-236.		0

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37	Modelling the Peripheral Chemosensory Drive of Ventilation on Basis of Homogenous Sensory Units. Advances in Experimental Medicine and Biology, 1996, 410, 405-410.	1.6	0
38	Central pH Chemosensitivity in the Newborn Opossum Monodelphis Domestica. Advances in Experimental Medicine and Biology, 1996, 410, 217-220.	1.6	0