

# Joana M Gil-Mohapel

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

4,203  
citations

126858

33  
h-index

114418

63  
g-index

73  
all docs

73  
docs citations

73  
times ranked

5620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of neurodegeneration in Huntington's disease. <i>European Journal of Neuroscience</i> , 2008, 27, 2803-2820.	1.2	404
2	The effects of aging in the hippocampus and cognitive decline. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 79, 66-86.	2.9	385
3	Orexin loss in Huntington's disease. <i>Human Molecular Genetics</i> , 2005, 14, 39-47.	1.4	246
4	Hippocampal cell loss and neurogenesis after fetal alcohol exposure: Insights from different rodent models. <i>Brain Research Reviews</i> , 2010, 64, 283-303.	9.1	164
5	Depression in neurodegenerative diseases: Common mechanisms and current treatment options. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 56-84.	2.9	159
6	Reduced hippocampal neurogenesis in R6/2 transgenic Huntington's disease mice. <i>Neurobiology of Disease</i> , 2005, 20, 744-751.	2.1	158
7	The role of oxidative stress in fetal alcohol spectrum disorders. <i>Brain Research Reviews</i> , 2011, 67, 209-225.	9.1	141
8	Anxiety- and depression-like behaviors are accompanied by an increase in oxidative stress in a rat model of fetal alcohol spectrum disorders: Protective effects of voluntary physical exercise. <i>Neuropharmacology</i> , 2012, 62, 1607-1618.	2.0	141
9	The R6/2 transgenic mouse model of Huntington's disease develops diabetes due to deficient $\beta^2$ -cell mass and exocytosis. <i>Human Molecular Genetics</i> , 2005, 14, 565-574.	1.4	129
10	Progressive alterations in the hypothalamic-pituitary-adrenal axis in the R6/2 transgenic mouse model of Huntington's disease. <i>Human Molecular Genetics</i> , 2006, 15, 1713-1721.	1.4	122
11	Beyond the Hippocampus and the SVZ: Adult Neurogenesis Throughout the Brain. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 576444.	1.8	114
12	Endogenous cannabinoid signaling is required for voluntary exercise-induced enhancement of progenitor cell proliferation in the hippocampus. <i>Hippocampus</i> , 2010, 20, 513-523.	0.9	111
13	Hippocampal Neurogenesis Levels Predict WATERMAZE Search Strategies in the Aging Brain. <i>PLoS ONE</i> , 2013, 8, e75125.	1.1	106
14	Cytosolic and mitochondrial ROS in staurosporine-induced retinal cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1500-1514.	1.3	93
15	Running reduces stress and enhances cell genesis in aged mice. <i>Neurobiology of Aging</i> , 2011, 32, 2279-2286.	1.5	93
16	Altered adult hippocampal neurogenesis in the YAC128 transgenic mouse model of Huntington disease. <i>Neurobiology of Disease</i> , 2011, 41, 249-260.	2.1	92
17	Physical Exercise-Induced Adult Neurogenesis: A Good Strategy to Prevent Cognitive Decline in Neurodegenerative Diseases?. <i>BioMed Research International</i> , 2014, 2014, 1-20.	0.9	82
18	Fmr1 knockout mice show reduced anxiety and alterations in neurogenesis that are specific to the ventral dentate gyrus. <i>Neurobiology of Disease</i> , 2009, 36, 361-373.	2.1	80

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19	Guanosine and its role in neuropathologies. <i>Purinergic Signalling</i> , 2016, 12, 411-426.	1.1	78
20	The Role of Oxidative Stress in Huntington's Disease: Are Antioxidants Good Therapeutic Candidates?. <i>Current Drug Targets</i> , 2014, 15, 454-468.	1.0	77
21	The effects of hormones and physical exercise on hippocampal structural plasticity. <i>Frontiers in Neuroendocrinology</i> , 2016, 41, 23-43.	2.5	75
22	The R6 lines of transgenic mice: A model for screening new therapies for Huntington's disease. <i>Brain Research Reviews</i> , 2009, 59, 410-431.	9.1	61
23	Voluntary exercise induces adult hippocampal neurogenesis and BDNF expression in a rodent model of fetal alcohol spectrum disorders. <i>European Journal of Neuroscience</i> , 2011, 33, 1799-1811.	1.2	61
24	Hippocampal dysfunction and cognitive impairment in Fragile-X Syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 563-574.	2.9	59
25	Altered adult hippocampal neuronal maturation in a rat model of fetal alcohol syndrome. <i>Brain Research</i> , 2011, 1384, 29-41.	1.1	55
26	New Avenues for the Treatment of Huntington's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8363.	1.8	55
27	Neurogenesis in Huntington's disease: Can studying adult neurogenesis lead to the development of new therapeutic strategies?. <i>Brain Research</i> , 2011, 1406, 84-105.	1.1	53
28	Revisiting the flip side: Long-term depression of synaptic efficacy in the hippocampus. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 394-413.	2.9	47
29	Calpain activation is involved in early caspase-independent neurodegeneration in the hippocampus following status epilepticus. <i>Journal of Neurochemistry</i> , 2008, 105, 666-676.	2.1	46
30	Stress differentially regulates the effects of voluntary exercise on cell proliferation in the dentate gyrus of mice. <i>Hippocampus</i> , 2009, 19, 889-897.	0.9	40
31	Antidepressant and pro-neurogenic effects of agmatine in a mouse model of stress induced by chronic exposure to corticosterone. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 395-407.	2.5	40
32	Mitochondrial Dysfunction, Neurogenesis, and Epigenetics: Putative Implications for Amyotrophic Lateral Sclerosis Neurodegeneration and Treatment. <i>Frontiers in Neuroscience</i> , 2020, 14, 679.	1.4	38
33	Impairments in hippocampal synaptic plasticity following prenatal ethanol exposure are dependent on glutathione levels. <i>Hippocampus</i> , 2013, 23, 1463-1475.	0.9	36
34	Deletion of the NMDA Receptor GluN2A Subunit Significantly Decreases Dendritic Growth in Maturing Dentate Granule Neurons. <i>PLoS ONE</i> , 2014, 9, e103155.	1.1	36
35	The Effects of Ethanol Exposure During Distinct Periods of Brain Development on Oxidative Stress in the Adult Rat Brain. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 26-37.	1.4	35
36	The antidepressant-like effect of chronic guanosine treatment is associated with increased hippocampal neuronal differentiation. <i>European Journal of Neuroscience</i> , 2016, 43, 1006-1015.	1.2	33

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37	Proteolysis of NR2B by calpain in the hippocampus of epileptic rats. <i>NeuroReport</i> , 2005, 16, 393-396.	0.6	32
38	Prenatal ethanol exposure differentially affects hippocampal neurogenesis in the adolescent and aged brain. <i>Neuroscience</i> , 2014, 273, 174-188.	1.1	30
39	Liquid diets reduce cell proliferation but not neurogenesis in the adult rat hippocampus. <i>Neuroscience</i> , 2013, 254, 173-184.	1.1	28
40	Creatine Prevents Corticosterone-Induced Reduction in Hippocampal Proliferation and Differentiation: Possible Implication for Its Antidepressant Effect. <i>Molecular Neurobiology</i> , 2017, 54, 6245-6260.	1.9	27
41	In Pursuit of Healthy Aging: Effects of Nutrition on Brain Function. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5026.	1.8	26
42	Mitochondrial apoptotic cell death and moderate superoxide generation upon selective activation of non-desensitizing AMPA receptors in hippocampal cultures. <i>Journal of Neurochemistry</i> , 2003, 86, 792-804.	2.1	25
43	Antidepressant-like and pro-neurogenic effects of physical exercise: the putative role of FNDC5/irisin pathway. <i>Journal of Neural Transmission</i> , 2020, 127, 355-370.	1.4	22
44	Screening of Therapeutic Strategies for Huntington's Disease in YAC128 Transgenic Mice. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 77-86.	1.9	19
45	YAC128 Huntington's disease transgenic mice show enhanced short-term hippocampal synaptic plasticity early in the course of the disease. <i>Brain Research</i> , 2014, 1581, 117-128.	1.1	19
46	Molecular Basis Underlying the Therapeutic Potential of Vitamin D for the Treatment of Depression and Anxiety. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7077.	1.8	18
47	Prophylactic effect of physical exercise on A $\beta$ <sup>21-40</sup> -induced depressive-like behavior: Role of BDNF, mTOR signaling, cell proliferation and survival in the hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 94, 109646.	2.5	17
48	Effects of Ethanol Exposure during Distinct Periods of Brain Development on Hippocampal Synaptic Plasticity. <i>Brain Sciences</i> , 2013, 3, 1076-1094.	1.1	16
49	Enhanced corticosteroid signaling alters synaptic plasticity in the dentate gyrus in mice lacking the fragile X mental retardation protein. <i>Neurobiology of Disease</i> , 2015, 77, 26-34.	2.1	15
50	ISX-9 can potentiate cell proliferation and neuronal commitment in the rat dentate gyrus. <i>Neuroscience</i> , 2016, 332, 212-222.	1.1	15
51	Time-Course Analysis of Protein and Lipid Oxidation in the Brains of Yac128 Huntington's Disease Transgenic Mice. <i>Rejuvenation Research</i> , 2016, 19, 140-148.	0.9	15
52	Alcohol Use Disorder: Neurobiology and Therapeutics. <i>Biomedicine</i> , 2022, 10, 1192.	1.4	15
53	Brain-Derived Neurotrophic Factor Prevents Depressive-Like Behaviors in Early-Symptomatic YAC128 Huntington's Disease Mice. <i>Molecular Neurobiology</i> , 2018, 55, 7201-7215.	1.9	14
54	Prenatal ethanol exposure impairs temporal ordering behaviours in young adult rats. <i>Behavioural Brain Research</i> , 2016, 299, 81-89.	1.2	13

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55	Normal sensitivity to excitotoxicity in a transgenic Huntington's disease rat. <i>Brain Research Bulletin</i> , 2006, 69, 306-310.	1.4	12
56	Characterization of the neurogenesis quiescent zone in the rodent brain: Effects of age and exercise. <i>European Journal of Neuroscience</i> , 2010, 31, 797-807.	1.2	12
57	Antidepressant Effects of Probulcol on Early-Symptomatic YAC128 Transgenic Mice for Huntington's Disease. <i>Neural Plasticity</i> , 2018, 2018, 1-17.	1.0	11
58	Interplay between hormones and exercise on hippocampal plasticity across the lifespan. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165821.	1.8	10
59	Effects of Isx-9 and stress on adult hippocampal neurogenesis: Experimental considerations and future perspectives. <i>Neurogenesis (Austin, Tex)</i> , 2017, 4, e1317692.	1.5	8
60	Ethanol Exposure During Development, and Brain Oxidative Stress. , 2019, , 493-503.		6
61	Protective Effects of Agmatine Against Corticosterone-Induced Impairment on Hippocampal mTOR Signaling and Cell Death. <i>Neurotoxicity Research</i> , 2020, 38, 319-329.	1.3	6
62	Therapeutic Strategies for Huntingtons Disease: From the Bench to the Clinic. <i>Current Psychopharmacology</i> , 2012, 1, 137-154.	0.1	5
63	Oxidative Stress in Fetal Alcohol Spectrum Disorders " Insights for the Development of Antioxidant-Based Therapies. , 2014, , 645-667.		4
64	Current perspectives on the antidepressant-like effects of guanosine. <i>Neural Regeneration Research</i> , 2016, 11, 1411.	1.6	4
65	The three sisters of fate: Genetics, pathophysiology and outcomes of animal models of neurodegenerative diseases. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104541.	2.9	4
66	Doença de Huntington. <i>Revista Neurociencias</i> , 2011, 19, 724-734.	0.0	3
67	Impaired spatial processing in a mouse model of fragile X syndrome. <i>Behavioural Brain Research</i> , 2018, 350, 72-79.	1.2	2
68	Linking Huntington disease, brain-derived neurotrophic factor, and depressive-like behaviors. , 2021, , 161-177.		2
69	Temporal Characterization of Behavioral and Hippocampal Dysfunction in the YAC128 Mouse Model of Huntington's Disease. <i>Biomedicine</i> , 2022, 10, 1433.	1.4	2
70	From Preclinical to Clinical Trials: An Update on Potential Therapies for Huntington's Disease. <i>Current Psychopharmacology</i> , 2013, 2, 113-131.	0.1	1
71	Characterization of the neurogenesis quiescent zone in the rodent brain: effects of age and exercise. <i>European Journal of Neuroscience</i> , 2010, 31, 1708-1708.	1.2	0
72	EXERCÍCIO FÍSICO E NEUROPLASTICIDADE HIPOCAMPAL: REVISÃO DE LITERATURA. <i>VITTALLE - Revista De Ciências Da Saúde</i> , 2017, 29, 57-78.	0.1	0