Ana JoÃ£o Rodrigues

List of Publications by Year
in descending order

77 papers	5,130 citations	159585 30 h-index	98798 67 g-index
92 all docs	92 docs citations	92 times ranked	7157 citing authors

#	Article	IF	Citations
1	The Microbiota-Gut-Brain Axis. Physiological Reviews, 2019, 99, 1877-2013.	28.8	2,304
2	Chronic Stress and Glucocorticoids: From Neuronal Plasticity to Neurodegeneration. Neural Plasticity, 2016, 2016, 1-15.	2.2	186
3	Activation of D2 dopamine receptor-expressing neurons in the nucleus accumbens increases motivation. Nature Communications, 2016, 7, 11829.	12.8	164
4	Criticality between Cortical States. Physical Review Letters, 2019, 122, 208101.	7.8	159
5	Impact of the Secretome of Human Mesenchymal Stem Cells on Brain Structure and Animal Behavior in a Rat Model of Parkinson's Disease. Stem Cells Translational Medicine, 2017, 6, 634-646.	3.3	152
6	Behavioral characterization of the 6-hydroxidopamine model of Parkinsonâ€™s disease and pharmacological rescuing of non-motor deficits. Molecular Neurodegeneration, 2013, 8, 14.	10.8	142
7	Nucleus accumbens medium spiny neurons subtypes signal both reward and aversion. Molecular Psychiatry, 2020, 25, 3241-3255.	7.9	140
8	Reappraising striatal D1- and D2-neurons in reward and aversion. Neuroscience and Biobehavioral Reviews, 2016, 68, 370-386.	6.1	125
9	Kinetic Profile of the Transcriptome Changes Induced in the Choroid Plexus by Peripheral Inflammation. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 921-932.	4.3	95
10	Potential programming of dopaminergic circuits by early life stress. Psychopharmacology, 2011, 214, 107-120.	3.1	85
11	Lipocalin 2 is a Choroid Plexus Acute-Phase Protein. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 450-455.	4.3	80
12	Heterozygous deletion of the Williamsâ€“Beuren syndrome critical interval in mice recapitulates most features of the human disorder. Human Molecular Genetics, 2014, 23, 6481-6494.	2.9	69
13	Adenosine A2A receptor regulation of microglia morphological remodeling-gender bias in physiology and in a model of chronic anxiety. Molecular Psychiatry, 2017, 22, 1035-1043.	7.9	69
14	Functional genomics and biochemical characterization of the C. elegans orthologue of the Machadoâ€Joseph disease protein ataxinâ€3. FASEB Journal, 2007, 21, 1126-1136.	0.5	62
15	Mild Prenatal Stress Causes Emotional and Brain Structural Modifications in Rats of Both Sexes. Frontiers in Behavioral Neuroscience, 2018, 12, 129.	2.0	62
16	Mechanisms of initiation and reversal of drug-seeking behavior induced by prenatal exposure to glucocorticoids. Molecular Psychiatry, 2012, 17, 1295-1305.	7.9	59
17	Nucleus Accumbens Microcircuit Underlying D2-MSN-Driven Increase in Motivation. ENeuro, 2018, 5, ENEURO.0386-18.2018.	1.9	59
18	NEDD8: A new ataxin-3 interactor. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1619-1627.	4.1	55

#	Article	IF	Citations
19	Tau-dependent suppression of adult neurogenesis in the stressed hippocampus. Molecular Psychiatry, 2017, 22, 1110-1118.	7.9	47
20	A transcriptomic signature mediated by HOXA9 promotes human glioblastoma initiation, aggressiveness and resistance to temozolomide. Oncotarget, 2015, 6, 7657-7674.	1.8	46
21	Stress shifts the response of the bed nucleus of the stria terminalis to an anxiogenic mode. European Journal of Neuroscience, 2012, 36, 3396-3406.	2.6	44
22	The bed nucleus of stria terminalis and the amygdala as targets of antenatal glucocorticoids: implications for fear and anxiety responses. Psychopharmacology, 2012, 220, 443-453.	3.1	44
23	Hair cortisol concentration (HCC) as a measure for prenatal psychological distress â€" A systematic review. Psychoneuroendocrinology, 2018, 92, 21-28.	2.7	44
24	Absence of ataxin-3 leads to cytoskeletal disorganization and increased cell death. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 1154-1163.	4.1	42
25	Unveiling the effects of the secretome of mesenchymal progenitors from the umbilical cord in different neuronal cell populations. Biochimie, 2013, 95, 2297-2303.	2.6	40
26	Maternal prenatal psychological distress and hair cortisol levels associate with infant fecal microbiota composition at 2.5 months of age. Psychoneuroendocrinology, 2020, 119, 104754.	2.7	40
27	The future is now: early life events preset adult behaviour. Acta Physiologica, 2014, 210, 46-57.	3.8	38
28	Dopaminergic Modulation of Affective and Social Deficits Induced by Prenatal Glucocorticoid Exposure. Neuropsychopharmacology, 2013, 38, 2068-2079.	5.4	35
29	Maternal prenatal hair cortisol is associated with prenatal depressive symptom trajectories. Psychoneuroendocrinology, 2019, 109, 104383.	2.7	34
30	Role of laterodorsal tegmentum projections to nucleus accumbens in reward-related behaviors. Nature Communications, 2019, 10, 4138.	12.8	34
31	Female Hippocampus Vulnerability to Environmental Stress, a Precipitating Factor in Tau Aggregation Pathology. Journal of Alzheimer's Disease, 2014, 43, 763-774.	2.6	33
32	Using C. elegans to Decipher the Cellular and Molecular Mechanisms Underlying Neurodevelopmental Disorders. Molecular Neurobiology, 2013, 48, 465-489.	4.0	32
33	Regionâ€specific control of microglia by adenosine A_{2A} receptors: uncoupling anxiety and associated cognitive deficits in female rats. Glia, 2019, 67, 182-192.	4.9	29
34	Novel candidate bloodâ€based transcriptional biomarkers of machadoâ€joseph disease. Movement Disorders, 2015, 30, 968-975.	3.9	28
35	Absence of Ataxin-3 Leads to Enhanced Stress Response in C. elegans. PLoS ONE, 2011, 6, e18512.	2.5	26
36	Ataxin-3 Plays a Role in Mouse Myogenic Differentiation through Regulation of Integrin Subunit Levels. PLoS ONE, 2010, 5, e11728.	2.5	25

#	Article	IF	Citations
37	Distinct role of nucleus accumbens D2-MSN projections to ventral pallidum in different phases of motivated behavior. Cell Reports, 2022, 38, 110380.	6.4	24
38	Glial cells in ParkinsonÂ´s disease: protective or deleterious?. Cellular and Molecular Life Sciences, 2020, 77, 5171-5188.	5.4	22
39	Resilience to stress and sex-specific remodeling of microglia and neuronal morphology in a rat model of anxiety and anhedonia. Neurobiology of Stress, 2021, 14, 100302.	4.0	22
40	Stress induced risk-aversion is reverted by D2/D3 agonist in the rat. European Neuropsychopharmacology, 2015, 25, 1744-1752.	0.7	21
41	Glucocorticoid Programing of the Mesopontine Cholinergic System. Frontiers in Endocrinology, 2013, 4, 190.	3.5	20
42	The motivational drive to natural rewards is modulated by prenatal glucocorticoid exposure. Translational Psychiatry, 2014, 4, e397-e397.	4.8	19
43	Evidence for lack of direct causality between pain and affective disturbances in a rat peripheral neuropathy model. Genes, Brain and Behavior, 2019, 18, e12542.	2.2	17
44	Day and night surgery: is there any influence in the patient postoperative period of urgent colorectal intervention?. International Journal of Colorectal Disease, 2016, 31, 525-533.	2.2	16
45	Deletion of the Caenorhabditis elegans homologues of the CLN3 gene, involved in human juvenile neuronal ceroid lipofuscinosis, causes a mild progeric phenotype. Journal of Inherited Metabolic Disease, 2005, 28, 1065-1080.	3.6	15
46	Programming Effects of Antenatal Corticosteroids Exposure in Male Sexual Behavior. Journal of Sexual Medicine, 2011, 8, 1965-1974.	0.6	14
47	Impairments in laterodorsal tegmentum to VTA projections underlie glucocorticoid-triggered reward deficits. ELife, 2017, 6, .	6.0	14
48	ATX-3, CDC-48 and UBXN-5: A new trimolecular complex in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2009, 386, 575-581.	2.1	13
49	Gestational protein restriction induces CA3 dendritic atrophy in dorsal hippocampal neurons but does not alter learning and memory performance in adult offspring. International Journal of Developmental Neuroscience, 2013, 31, 151-156.	1.6	13
50	Amygdalar corticotropin-releasing factor mediates stress-induced anxiety. Brain Research, 2020, 1729, 146622.	2.2	13
51	Sorting nexin 3 mutation impairs development and neuronal function in Caenorhabditis elegans. Cellular and Molecular Life Sciences, 2018, 75, 2027-2044.	5.4	12
52	Hippocampal cytogenesis abrogation impairs inter-regional communication between the hippocampus and prefrontal cortex and promotes the time-dependent manifestation of emotional and cognitive deficits. Molecular Psychiatry, 2021, 26, 7154-7166.	7.9	12
53	The correlation between serum vascular endothelial growth factor (VEGF) and tumor VEGF receptor 3 in colorectal cancer. Annals of Surgical Treatment and Research, 2019, 97, 15.	1.0	12
54	Trait determinants of impulsive behavior: a comprehensive analysis of 188 rats. Scientific Reports, 2018, 8, 17666.	3.3	11

#	Article	IF	Citations
55	Evaluation of the genetic risk for COVID-19 outcomes in COPD and differences among worldwide populations. PLoS ONE, 2022, 17, e0264009.	2.5	11
56	Coupled variability in primary sensory areas and the hippocampus during spontaneous activity. Scientific Reports, 2017, 7, 46077.	3.3	10
57	Anxiety-like behavior and structural changes of the bed nucleus of the stria terminalis (BNST) in gestational protein-restricted male offspring. Journal of Developmental Origins of Health and Disease, 2018, 9, 536-543.	1.4	10
58	Integration of segmented regression analysis with weighted gene correlation network analysis identifies genes whose expression is remodeled throughout physiological aging in mouse tissues. Aging, 2021, 13, 18150-18190.	3.1	9
59	Beyond New Neurons in the Adult Hippocampus: Imipramine Acts as a Pro-Astrogliogenic Factor and Rescues Cognitive Impairments Induced by Stress Exposure. Cells, 2022, 11, 390.	4.1	9
60	Signatures of brain criticality unveiled by maximum entropy analysis across cortical states. Physical Review E, 2020, 102, 012408.	2.1	8
61	The Duration of Stress Determines Sex Specificities in the Vulnerability to Depression and in the Morphologic Remodeling of Neurons and Microglia. Frontiers in Behavioral Neuroscience, 2022, 16, 834821.	2.0	8
62	miR-409 and miR-411 Modulation in the Adult Brain of a Rat Model of Depression and After Fluoxetine Treatment. Frontiers in Behavioral Neuroscience, 2020, 14, 136.	2.0	7
63	Omental whirl associated with bilateral inguinal hernia: a case report. Journal of Medical Case Reports, 2014, 8, 239.	0.8	6
64	Alexithymic Traits and Hair Cortisol Concentrations in Pregnant Women. Frontiers in Psychiatry, 2020, 11, 421.	2.6	4
65	Laterodorsal tegmentumâ€“ventral tegmental area projections encode positive reinforcement signals. Journal of Neuroscience Research, 2021, 99, 3084-3100.	2.9	3
66	Suppression of adult cytogenesis in the rat brain leads to sexâ€differentiated disruption of the HPA axis activity. Cell Proliferation, 2022, 55, e13165.	5.3	3
67	Tau-dependent suppression of adult neurogenesis in the stressed hippocampus. European Neuropsychopharmacology, 2017, 27, S546.	0.7	2
68	Cell Cycle Regulation of Hippocampal Progenitor Cells in Experimental Models of Depression and after Treatment with Fluoxetine. International Journal of Molecular Sciences, 2021, 22, 11798.	4.1	2
69	Chronic Stress Does Not Influence the Survival of Mouse Models of Glioblastoma. Frontiers in Oncology, 2022, 12, 856210.	2.8	2
70	Hair Cortisol Concentrations Are Associated with Dental Anxiety during Pregnancy. Dentistry Journal, 2021, 9, 42.	2.3	1
71	Prenatal Glucocorticoid-Exposed Infants Do Not Show an Age-Typical Fear Bias at 8 Months of Age â€“ Preliminary Findings From the FinnBrain Birth Cohort Study. Frontiers in Psychology, 2021, 12, 655654.	2.1	1
72	Ileal intussusception due to a parasite egg: A case report. World Journal of Gastroenterology, 2014, 20, 13191.	3.3	1

#	Article	IF	Citations
73	Submucosal lesion of the oesophagus: not everything is what it seems. BMJ Case Reports, 2014, 2014, bcr2014204678-bcr2014204678.	0.5	0
74	ISDN2014_0325: Lack of H3K4 demethylase rbrâ€2/KDM5C leads to GABAâ€related behavioral defects in C. elegans. International Journal of Developmental Neuroscience, 2015, 47, 100-100.	1.6	0
75	P.2.22 Finding new secretomes for Parkinson's disease regenerative medicine applications. European Neuropsychopharmacology, 2019, 29, S670-S671.	0.7	0
76	Recent Advances in the Synthesis of the Antidepressant Paroxetine. Current Medicinal Chemistry, 2021, 28, 2960-2973.	2.4	0
77	Dynamic changes in microglia morphology and higher resilience to stress-induced anxious-behavior in a model of prenatal exposure to glucocorticoids. Frontiers in Cellular Neuroscience, 0, 13, .	3.7	0