JoÃ£o Carlos Sousa

List of Publications by Year
in descending order

64 papers	3,476 citations	147801 31 h-index	144013 57 g-index
67 all docs	67 docs citations	67 times ranked	5851 citing authors

#	Article	IF	Citations
1	Chronic Stress Causes Frontostriatal Reorganization and Affects Decision-Making. Science, 2009, 325, 621-625.	12.6	710
2	Bloodâ€“brain-barriers in aging and in Alzheimerâ€™s disease. Molecular Neurodegeneration, 2013, 8, 38.	10.8	222
3	Lithium blocks stress-induced changes in depressive-like behavior and hippocampal cell fate: The role of glycogen-synthase-kinase-3Î². Neuroscience, 2008, 152, 656-669.	2.3	151
4	From the periphery to the brain: Lipocalin-2, a friend or foe?. Progress in Neurobiology, 2015, 131, 120-136.	5.7	132
5	Insights on the pathophysiology of Alzheimer's disease: The crosstalk between amyloid pathology, neuroinflammation and the peripheral immune system. Neuroscience and Biobehavioral Reviews, 2016, 68, 547-562.	6.1	114
6	Transthyretin is involved in depression-like behaviour and exploratory activity. Journal of Neurochemistry, 2004, 88, 1052-1058.	3.9	111
7	Methylation at the CpG island shore region upregulatesNr3c1promoter activity after early-life stress. Epigenetics, 2015, 10, 247-257.	2.7	98
8	Transthyretin and Alzheimer's disease: Where in the brain?. Neurobiology of Aging, 2007, 28, 713-718.	3.1	97
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	Mesenchymal stem cells secretome as a modulator of the neurogenic niche: basic insights and therapeutic opportunities. Frontiers in Cellular Neuroscience, 2015, 9, 249.	3.7	90
11	Transcriptome signature of the adult mouse choroid plexus. Fluids and Barriers of the CNS, 2011, 8, 10.	5.0	88
12	Lipocalin 2 is a Choroid Plexus Acute-Phase Protein. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 450-455.	4.3	80
13	The path from the choroid plexus to the subventricular zone: go with the flow!. Frontiers in Cellular Neuroscience, 2012, 6, 34.	3.7	79
14	Lipocalin 2 is present in the EAE brain and is modulated by natalizumab. Frontiers in Cellular Neuroscience, 2012, 6, 33.	3.7	78
15	The choroid plexus in health and in disease: dialogues into and out of the brain. Neurobiology of Disease, 2017, 107, 32-40.	4.4	77
16	The SIGMA rat brain templates and atlases for multimodal MRI data analysis and visualization. Nature Communications, 2019, 10, 5699.	12.8	73
17	Stress and the Neuroendocrinology of Anxiety Disorders. Current Topics in Behavioral Neurosciences, 2009, 2, 97-118.	1.7	71
18	Altered Iron Metabolism Is Part of the Choroid Plexus Response to Peripheral Inflammation. Endocrinology, 2009, 150, 2822-2828.	2.8	70

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19	Lipocalin-2 is involved in emotional behaviors and cognitive function. Frontiers in Cellular Neuroscience, 2013, 7, 122.	3.7	69
20	Transthyretin influences spatial reference memory. Neurobiology of Learning and Memory, 2007, 88, 381-385.	1.9	61
21	The choroid plexus response to a repeated peripheral inflammatory stimulus. BMC Neuroscience, 2009, 10, 135.	1.9	60
22	The choroid plexus transcriptome reveals changes in type I and II interferon responses in a mouse model of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2015, 49, 280-292.	4.1	60
23	The dynamics of stress: a longitudinal MRI study of rat brain structure and connectome. Molecular Psychiatry, 2018, 23, 1998-2006.	7.9	60
24	Lipocalin 2 modulates the cellular response to amyloid beta. Cell Death and Differentiation, 2014, 21, 1588-1599.	11.2	59
25	Thyroid hormone distribution in the mouse brain: the role of transthyretin. Neuroscience, 2002, 113, 837-847.	2.3	51
26	Programming effects of antenatal dexamethasone in the developing mesolimbic pathways. Synapse, 2007, 61, 40-49.	1.2	50
27	The choroid plexus response to peripheral inflammatory stimulus. Neuroscience, 2007, 144, 424-430.	2.3	47
28	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
29	Lipocalin-2 regulates adult neurogenesis and contextual discriminative behaviours. Molecular Psychiatry, 2018, 23, 1031-1039.	7.9	44
30	Novel concept of exosome-like liposomes for the treatment of Alzheimer's disease. Journal of Controlled Release, 2021, 336, 130-143.	9.9	43
31	Modulation of iron metabolism in aging and in Alzheimer's disease: relevance of the choroid plexus. Frontiers in Cellular Neuroscience, 2012, 6, 25.	3.7	40
32	The choroid plexus is modulated by various peripheral stimuli: implications to diseases of the central nervous system. Frontiers in Cellular Neuroscience, 2015, 9, 136.	3.7	31
33	Structural and molecular correlates of cognitive aging in the rat. Scientific Reports, 2019, 9, 2005.	3.3	31
34	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. Electrochimica Acta, 2015, 182, 946-952.	5.2	30
35	A Resting-State Functional MR Imaging and Spectroscopy Study of the Dorsal Hippocampus in the Chronic Unpredictable Stress Rat Model. Journal of Neuroscience, 2019, 39, 3640-3650.	3.6	28
36	Neudesin is involved in anxiety behavior: structural and neurochemical correlates. Frontiers in Behavioral Neuroscience, 2013, 7, 119.	2.0	25

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37	Altered astrocytic function in experimental neuroinflammation and multiple sclerosis. Glia, 2021, 69, 1341-1368.	4.9	24
38	Transthyretin is not necessary for thyroid hormone metabolism in conditions of increased hormone demand. Journal of Endocrinology, 2005, 187, 257-266.	2.6	21
39	Do genes and environment meet to regulate cerebrospinal fluid dynamics? Relevance for schizophrenia. Frontiers in Cellular Neuroscience, 2012, 6, 31.	3.7	21
40	Massive dissemination of a SARS-CoV-2 Spike Y839 variant in Portugal. Emerging Microbes and Infections, 2020, 9, 2488-2496.	6.5	20
41	Metabolism and adult neurogenesis: Towards an understanding of the role of lipocalin-2 and iron-related oxidative stress. Neuroscience and Biobehavioral Reviews, 2018, 95, 73-84.	6.1	16
42	Descriptive Analysis of LAP1 Distribution and That of Associated Proteins throughout Spermatogenesis. Membranes, 2017, 7, 22.	3.0	14
43	Topographical Analysis of the Subependymal Zone Neurogenic Niche. PLoS ONE, 2012, 7, e38647.	2.5	13
44	Voluntary running rescues the defective hippocampal neurogenesis and behaviour observed in lipocalin 2-null mice. Scientific Reports, 2019, 9, 1649.	3.3	12
45	Adult Hippocampal Neurogenesis Modulation by the Membrane-Associated Progesterone Receptor Family Member Neudesin. Frontiers in Cellular Neuroscience, 2018, 12, 463.	3.7	9
46	The Absence of Transthyretin does not Impair Regulation of Lipid and Glucose Metabolism. Hormone and Metabolic Research, 2007, 39, 529-533.	1.5	8
47	OmniSARS2: A Highly Sensitive and Specific RT-qPCR-Based COVID-19 Diagnostic Method Designed to Withstand SARS-CoV-2 Lineage Evolution. Biomedicines, 2021, 9, 1314.	3.2	8
48	Nano- and micro-based systems for immunotolerance induction in multiple sclerosis. Human Vaccines and Immunotherapeutics, 2016, 12, 1-5.	3.3	7
49	Bioengineered cell culture systems of central nervous system injury and disease. Drug Discovery Today, 2016, 21, 1456-1463.	6.4	5
50	Lipocalin-2 does not influence EAE clinical score but it increases inflammation in central nervous system. Journal of Neuroimmunology, 2022, 368, 577872.	2.3	5
51	Hormone-Mediated Gene Regulation and Bioinformatics: Learning One from the Other. PLoS ONE, 2007, 2, e481.	2.5	4
52	Proof of Concept of the Electrochemical Sensing of 3â€Iodothyronamine (T₁AM) and Thyronamine (T₀AM). ChemElectroChem, 2014, 1, 1623-1626.	3.4	4
53	Correlation Analysis between Hemoglobin and C-Reactive Protein in Patients Admitted to an Emergency Unit. Journal of Clinical Medicine, 2021, 10, 5411.	2.4	4
54	Bioorthogonal Labeling Reveals Different Expression of Glycans in Mouse Hippocampal Neuron Cultures during Their Development. Molecules, 2020, 25, 795.	3.8	3

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55	Unbiased Stereological Method to Assess Proliferation Throughout the Subependymal Zone. Methods in Molecular Biology, 2013, 1035, 141-152.	0.9	3
56	Teaching the extracellular matrix and introducing online databases within a multidisciplinary course with iâ€cellâ€MATRIX. Biochemistry and Molecular Biology Education, 2010, 38, 79-84.	1.2	1
57	Detection of the Glucocorticoid Receptors in Brain Protein Extracts by SDS-PAGE. Methods in Molecular Biology, 2014, 1204, 233-242.	0.9	1
58	What Have We Learned from Transthyretin-Null Mice: Novel Functions for Transthyretin?. , 2009, , 281-295.		1
59	Brain Barriers and the Acute-Phase Response. , 2011, , .		0
60	Hormone mediated nuclear effects and bioinformatics: learning one from the other. FASEB Journal, 2006, 20, A975.	0.5	0
61	LEARNING HORMONE ACTION MECHANISMS WITH BIOINFORMATICS. Journal of Biochemistry Education, 2007, 5, 23.	0.0	0
62	Mismatches between the conceptual level of tests and faculty beliefs. FASEB Journal, 2009, 23, 539.1.	0.5	0
63	Beyond Brain Signaling. , 2020, , 1-32.		0
64	The Role of Biobanks in the Fight against COVID-19 Pandemic: The Portuguese Response. Acta Medica Portuguesa, 2021, 35, .	0.4	0