

# Joao Cerqueira

## List of Publications by Year in descending order

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110  
papers

9,434  
citations

81900

39  
h-index

40979

93  
g-index

122  
all docs

122  
docs citations

122  
times ranked

12381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10,742
2	Ocrelizumab versus Interferon Beta-1a in Relapsing Multiple Sclerosis. New England Journal of Medicine, 2017, 376, 221-234.	27.0	1,322
3	Chronic Stress Causes Frontostriatal Reorganization and Affects Decision-Making. Science, 2009, 325, 621-625.	12.6	710
4	Siponimod versus placebo in secondary progressive multiple sclerosis (EXPAND): a double-blind, randomised, phase 3 study. Lancet, The, 2018, 391, 1263-1273.	13.7	684
5	The Prefrontal Cortex as a Key Target of the Maladaptive Response to Stress. Journal of Neuroscience, 2007, 27, 2781-2787.	3.6	502
6	The mood-improving actions of antidepressants do not depend on neurogenesis but are associated with neuronal remodeling. Molecular Psychiatry, 2009, 14, 764-773.	7.9	476
7	A trans-dimensional approach to the behavioral aspects of depression. Frontiers in Behavioral Neuroscience, 2009, 3, 1.	2.0	243
8	Morphological Correlates of Corticosteroid-Induced Changes in Prefrontal Cortex-Dependent Behaviors. Journal of Neuroscience, 2005, 25, 7792-7800.	3.6	242
9	The stressed prefrontal cortex. Left? Right!. Brain, Behavior, and Immunity, 2008, 22, 630-638.	4.1	165
10	The impact of chronic stress on the rat brain lipidome. Molecular Psychiatry, 2016, 21, 80-88.	7.9	157
11	An Efficient Chronic Unpredictable Stress Protocol to Induce Stress-Related Responses in C57BL/6 Mice. Frontiers in Psychiatry, 2015, 6, 6.	2.6	147
12	Specific Configuration of Dendritic Degeneration in Pyramidal Neurons of the Medial Prefrontal Cortex Induced by Differing Corticosteroid Regimens. Cerebral Cortex, 2007, 17, 1998-2006.	2.9	146
13	Stress-induced changes in human decision-making are reversible. Translational Psychiatry, 2012, 2, e131-e131.	4.8	139
14	Corticosteroid receptors and neuroplasticity. Brain Research Reviews, 2008, 57, 561-570.	9.0	127
15	Dissociation of the morphological correlates of stress-induced anxiety and fear. European Journal of Neuroscience, 2008, 27, 1503-1516.	2.6	125
16	The impact of age on emotional and cognitive behaviours triggered by experimental neuropathy in rats. Pain, 2009, 144, 57-65.	4.2	115
17	Stress Impact on Resting State Brain Networks. PLoS ONE, 2013, 8, e66500.	2.5	105
18	Time matters in multiple sclerosis: can early treatment and long-term follow-up ensure everyone benefits from the latest advances in multiple sclerosis?. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 844-850.	1.9	102

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19	Astrocyte pathology in the prefrontal cortex impairs the cognitive function of rats. <i>Molecular Psychiatry</i> , 2014, 19, 834-841.	7.9	98
20	Corticosteroid status influences the volume of the rat cingulate cortex – a magnetic resonance imaging study. <i>Journal of Psychiatric Research</i> , 2005, 39, 451-460.	3.1	97
21	Stress and glucocorticoid footprints in the brain – The path from depression to Alzheimer's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 1161-1173.	6.1	88
22	Stressed brain, diseased heart: A review on the pathophysiologic mechanisms of neurocardiology. <i>International Journal of Cardiology</i> , 2013, 166, 30-37.	1.7	84
23	Hippocampal neurogenesis induced by antidepressant drugs: an epiphenomenon in their mood-improving actions. <i>Molecular Psychiatry</i> , 2009, 14, 739-739.	7.9	79
24	Absence of IFN $\beta$ promotes hippocampal plasticity and enhances cognitive performance. <i>Translational Psychiatry</i> , 2016, 6, e707-e707.	4.8	79
25	Lipocalin 2 is present in the EAE brain and is modulated by natalizumab. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 33.	3.7	78
26	Differential effects of left/right neuropathy on rats' anxiety and cognitive behavior. <i>Pain</i> , 2012, 153, 2218-2225.	4.2	74
27	The SIGMA rat brain templates and atlases for multimodal MRI data analysis and visualization. <i>Nature Communications</i> , 2019, 10, 5699.	12.8	73
28	Depression in medical students: insights from a longitudinal study. <i>BMC Medical Education</i> , 2017, 17, 184.	2.4	69
29	Stress affects theta activity in limbic networks and impairs novelty-induced exploration and familiarization. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 127.	2.0	66
30	The impact of stress in decision making in the context of uncertainty. <i>Journal of Neuroscience Research</i> , 2015, 93, 839-847.	2.9	66
31	Differential impact of chronic stress along the hippocampal dorsal-ventral axis. <i>Brain Structure and Function</i> , 2015, 220, 1205-1212.	2.3	66
32	Induction of a Hyperanxious State by Antenatal Dexamethasone: A Case for Less Detrimental Natural Corticosteroids. <i>Biological Psychiatry</i> , 2006, 59, 844-852.	1.3	65
33	Transthyretin influences spatial reference memory. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 381-385.	1.9	61
34	S100B as a Potential Biomarker and Therapeutic Target in Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2016, 53, 3976-3991.	4.0	61
35	The dynamics of stress: a longitudinal MRI study of rat brain structure and connectome. <i>Molecular Psychiatry</i> , 2018, 23, 1998-2006.	7.9	60
36	Mood is a key determinant of cognitive performance in community-dwelling older adults: a cross-sectional analysis. <i>Age</i> , 2013, 35, 1983-1993.	3.0	58

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37	Clinical, physical and lifestyle variables and relationship with cognition and mood in aging: a cross-sectional analysis of distinct educational groups. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 21.	3.4	54
38	Brain interference: Revisiting the role of IFN $\gamma$ in the central nervous system. <i>Progress in Neurobiology</i> , 2017, 156, 149-163.	5.7	50
39	Patterns of Theta Activity in Limbic Anxiety Circuit Preceding Exploratory Behavior in Approach-Avoidance Conflict. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 171.	2.0	47
40	Chronic stress disrupts neural coherence between cortico-limbic structures. <i>Frontiers in Neural Circuits</i> , 2013, 7, 10.	2.8	45
41	Stress shifts the response of the bed nucleus of the stria terminalis to an anxiogenic mode. <i>European Journal of Neuroscience</i> , 2012, 36, 3396-3406.	2.6	44
42	Perceived Stress in Obsessive-Compulsive Disorder is Related with Obsessive but Not Compulsive Symptoms. <i>Frontiers in Psychiatry</i> , 2013, 4, 21.	2.6	41
43	Brain-machine interface of upper limb recovery in stroke patients rehabilitation: A systematic review. <i>Physiotherapy Research International</i> , 2019, 24, e1764.	1.5	41
44	Chronic unpredictable stress inhibits nociception in male rats. <i>Neuroscience Letters</i> , 2004, 359, 73-76.	2.1	40
45	Tau Mislocation in Glucocorticoid-Triggered Hippocampal Pathology. <i>Molecular Neurobiology</i> , 2016, 53, 4745-4753.	4.0	37
46	Stigmatizing Attitudes Toward Patients With Psychiatric Disorders Among Medical Students and Professionals. <i>Frontiers in Psychiatry</i> , 2020, 11, 326.	2.6	37
47	Age-related qualitative shift in emotional behaviour: Paradoxical findings after re-exposure of rats in the elevated-plus maze. <i>Behavioural Brain Research</i> , 2005, 162, 135-142.	2.2	36
48	Patterns of Cognitive Performance in Healthy Ageing in Northern Portugal: A Cross-Sectional Analysis. <i>PLoS ONE</i> , 2011, 6, e24553.	2.5	32
49	Plasticity of resting state brain networks in recovery from stress. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 919.	2.0	32
50	Structural and molecular correlates of cognitive aging in the rat. <i>Scientific Reports</i> , 2019, 9, 2005.	3.3	31
51	Asymmetric c-Fos Expression in the Ventral Orbital Cortex is Associated with Impaired Reversal Learning in a Right-Sided Neuropathy. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-41.	2.1	30
52	Glucose intolerance after chronic stress is related with downregulated PPAR $\gamma$ in adipose tissue. <i>Cardiovascular Diabetology</i> , 2016, 15, 114.	6.8	28
53	A Resting-State Functional MR Imaging and Spectroscopy Study of the Dorsal Hippocampus in the Chronic Unpredictable Stress Rat Model. <i>Journal of Neuroscience</i> , 2019, 39, 3640-3650.	3.6	28
54	Stress Transiently Affects Pavlovian-to-Instrumental Transfer. <i>Frontiers in Neuroscience</i> , 2012, 6, 93.	2.8	27

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55	Repeated Assessment and Practice Effects of the Written Symbol Digit Modalities Test Using a Short Inter-Test Interval. <i>Archives of Clinical Neuropsychology</i> , 2015, 30, 424-434.	0.5	26
56	Neudesin is involved in anxiety behavior: structural and neurochemical correlates. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 119.	2.0	25
57	Variable delay-to-signal: a fast paradigm for assessment of aspects of impulsivity in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 154.	2.0	24
58	Altered astrocytic function in experimental neuroinflammation and multiple sclerosis. <i>Glia</i> , 2021, 69, 1341-1368.	4.9	24
59	Diagnostic Delay of Multiple Sclerosis in a Portuguese Population. <i>Acta Medica Portuguesa</i> , 2019, 32, 289-294.	0.4	22
60	Stress induced risk-aversion is reverted by D2/D3 agonist in the rat. <i>European Neuropsychopharmacology</i> , 2015, 25, 1744-1752.	0.7	21
61	Central autonomic nervous system response to autonomic challenges is altered in patients with a previous episode of Takotsubo cardiomyopathy. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 152-163.	1.0	18
62	Using endogenous saccades to characterize fatigue in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2017, 14, 16-22.	2.0	18
63	myBrain: a novel EEG embedded system for epilepsy monitoring. <i>Journal of Medical Engineering and Technology</i> , 2017, 41, 564-585.	1.4	17
64	Multiple sclerosis: Association of gelatinase B/matrix metalloproteinase-9 with risk and clinical course the disease. <i>Multiple Sclerosis and Related Disorders</i> , 2017, 11, 71-76.	2.0	15
65	Simultaneous supratentorial and brainstem abscesses due to <i>Listeria monocytogenes</i> . <i>Journal of Neuroradiology</i> , 2008, 35, 173-176.	1.1	14
66	Programming Effects of Antenatal Corticosteroids Exposure in Male Sexual Behavior. <i>Journal of Sexual Medicine</i> , 2011, 8, 1965-1974.	0.6	14
67	A whole genome association study in multiple sclerosis patients from north Portugal. <i>Journal of Neuroimmunology</i> , 2003, 143, 116-119.	2.3	13
68	Gestational protein restriction induces CA3 dendritic atrophy in dorsal hippocampal neurons but does not alter learning and memory performance in adult offspring. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 151-156.	1.6	13
69	Age effects on EEG correlates of the Wisconsin Card Sorting Test. <i>Physiological Reports</i> , 2015, 3, e12390.	1.7	13
70	Editorial: The Impact of Stress on Cognition and Motivation. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 326.	2.0	13
71	Cotard Syndrome without Depressive Symptoms in a Schizophrenic Patient. <i>Case Reports in Psychiatry</i> , 2015, 2015, 1-3.	0.5	12
72	MS Prevalence and Patients's Characteristics in the District of Braga, Portugal. <i>Neurology Research International</i> , 2015, 2015, 1-4.	1.3	11

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73	Localized scleroderma en coup de sabre in the Neurology Clinic. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 8, 96-98.	2.0	11
74	Trait determinants of impulsive behavior: a comprehensive analysis of 188 rats. <i>Scientific Reports</i> , 2018, 8, 17666.	3.3	11
75	Enhanced cognitive performance in experimental autoimmune encephalomyelitis mice treated with dimethyl fumarate after the appearance of disease symptoms. <i>Journal of Neuroimmunology</i> , 2020, 340, 577163.	2.3	11
76	Mismatch between anxiety status and morphometric parameters in the amygdala and bed nucleus of the stria terminalis. <i>Behavioural Brain Research</i> , 2006, 173, 320-325.	2.2	10
77	Physiotherapy based on problem-solving in upper limb function and neuroplasticity in chronic stroke patients: A case series. <i>Journal of Evaluation in Clinical Practice</i> , 2018, 24, 552-560.	1.8	10
78	Anxiety-like behavior and structural changes of the bed nucleus of the stria terminalis (BNST) in gestational protein-restricted male offspring. <i>Journal of Developmental Origins of Health and Disease</i> , 2018, 9, 536-543.	1.4	10
79	A novel risk-based decision-making paradigm. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 45.	2.0	9
80	Paroxysmal Dystonia as a Manifestation of Multiple Sclerosis. <i>Neurologist</i> , 2015, 19, 132-134.	0.7	9
81	Markerless Gait Analysis Vision System for Real-time Gait Monitoring. , 2020, , .		9
82	TyPed study: Natalizumab for the treatment of pediatric-onset multiple sclerosis in Portugal. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 51, 102865.	2.0	9
83	Tadalafil-Induced Transient Global Amnesia. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2010, 22, 352.e28-352.e28.	1.8	7
84	An Objective Structured Clinical Exam to Assess Semiology Skills of Medical Students. <i>Acta Medica Portuguesa</i> , 2016, 29, 819-825.	0.4	7
85	Koro Syndrome in an Obsessive-Compulsive Disorder Patient. <i>European Psychiatry</i> , 2016, 33, S496-S496.	0.2	7
86	Nano- and micro-based systems for immunotolerance induction in multiple sclerosis. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 1-5.	3.3	7
87	Relationships between neuropsychological and antisaccade measures in multiple sclerosis patients. <i>PeerJ</i> , 2018, 6, e5737.	2.0	6
88	Cortical Linear Lesions in Wernicke's Encephalopathy: Can Diffusion-Weighted Imaging Herald Prognostic Information?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2010, 22, 123.e24-123.e25.	1.8	5
89	Immune Thymic Profile of the MOG-Induced Experimental Autoimmune Encephalomyelitis Mouse Model. <i>Frontiers in Immunology</i> , 2018, 9, 2335.	4.8	5
90	Tracking cognitive impairment in multiple sclerosis using the Brain on Track test: a validation study. <i>Neurological Sciences</i> , 2020, 41, 183-191.	1.9	5

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91	Lipocalin-2 does not influence EAE clinical score but it increases inflammation in central nervous system. <i>Journal of Neuroimmunology</i> , 2022, 368, 577872.	2.3	5
92	Multiple Sclerosis Patient Management During the COVID-19 Pandemic: Practical Recommendations From the Portuguese Multiple Sclerosis Study Group (GEEM). <i>Frontiers in Neurology</i> , 2021, 12, 613769.	2.4	4
93	Is Methylphenidate-Induced Chorea Responsive to Chlorpromazine?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2010, 22, 352.e20-352.e20.	1.8	3
94	REALMS study: real-world effectiveness and safety of fingolimod in patients with relapsing-remitting multiple sclerosis in Portugal. <i>Neurological Sciences</i> , 2021, 42, 1995-2003.	1.9	3
95	Fibromuscular dysplasia with dissecting basilar aneurysm: Endovascular treatment. <i>Journal of Neuroradiology</i> , 2009, 36, 244-245.	1.1	2
96	The relevance of the brain in the diseased heart: Authors' response. <i>International Journal of Cardiology</i> , 2013, 168, 5095.	1.7	2
97	Epileptic event detection algorithm for ambulatory monitoring platforms. , 2014, , .		1
98	Minho Communication Assessment Scale: Development and Validation. <i>Acta Medica Portuguesa</i> , 2020, 33, 326-334.	0.4	1
99	Defining the prodromal phase of multiple sclerosis based on healthcare access in a Portuguese Population - ProdMS Study. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 55, 103154.	2.0	1
100	Detection of the Glucocorticoid Receptors in Brain Protein Extracts by SDS-PAGE. <i>Methods in Molecular Biology</i> , 2014, 1204, 233-242.	0.9	1
101	Alcohol abuse and acute behavioural disturbances in a 24-year-old patient. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 859.	1.5	0
102	Gold coated SU-8-based microelectrodes for in vivo electrophysiological studies: Rapid prototyping protocol-specific microelectrode designs. , 2011, , .		0
103	Absence of IFN-gamma leads to an enhanced cognitive phenotype. <i>Journal of Neuroimmunology</i> , 2014, 275, 184.	2.3	0
104	Executive Function in Striatal Disorders. , 2017, , 301-317.		0
105	Fifteen Years of Experience from a Medical School's Clinical Skills Laboratory. <i>Acta Medica Portuguesa</i> , 2017, 30, 85.	0.4	0
106	Long-term remission of central nervous system vasculitis after treatment of Hodgkin's lymphoma with chemotherapy plus rituximab. <i>Neurology and Clinical Neuroscience</i> , 2018, 6, 26-28.	0.4	0
107	Recomendações e Consensos do Grupo de Estudos de Esclerose Múltipla e da Sociedade Portuguesa de Neuroradiologia sobre Ressonância Magnética na Esclerose Múltipla na Prática Clínica: Parte 1. <i>Acta Medica Portuguesa</i> , 2018, 31, 281.	0.4	0
108	The woman who sees smaller objects: is it psychiatric or neurological?. <i>Revista De Psiquiatria Clínica</i> , 2014, 41, 62-62.	0.6	0

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109	A structured remediation program for communication skills. International Journal of Medical Education, 2019, 10, 161-162.	1.2	0
110	SARS-CoV-2 e Esclerose Múltipla. Sinapse, 2020, 20, 37-38.	0.1	0