

Nuno Sousa

List of Publications by Year in descending order

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515
papers

29,165
citations

4955

84
h-index

8618

146
g-index

570
all docs

570
docs citations

570
times ranked

36668
citing authors

#	ARTICLE	IF	CITATIONS
1	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024.	5.4	3,589
2	Chronic Stress Causes Frontostriatal Reorganization and Affects Decision-Making. Science, 2009, 325, 621-625.	6.0	710
3	Reorganization of the morphology of hippocampal neurites and synapses after stress-induced damage correlates with behavioral improvement. Neuroscience, 2000, 97, 253-266.	1.1	667
4	From basics to clinical: A comprehensive review on spinal cord injury. Progress in Neurobiology, 2014, 114, 25-57.	2.8	626
5	A hitchhiker's guide to diffusion tensor imaging. Frontiers in Neuroscience, 2013, 7, 31.	1.4	615
6	The Prefrontal Cortex as a Key Target of the Maladaptive Response to Stress. Journal of Neuroscience, 2007, 27, 2781-2787.	1.7	502
7	Adipose Tissue Derived Stem Cells Secretome: Soluble Factors and Their Roles in Regenerative Medicine. Current Stem Cell Research and Therapy, 2010, 5, 103-110.	0.6	497
8	The mood-improving actions of antidepressants do not depend on neurogenesis but are associated with neuronal remodeling. Molecular Psychiatry, 2009, 14, 764-773.	4.1	476
9	Neuropathology of stress. Acta Neuropathologica, 2014, 127, 109-135.	3.9	331
10	Mesenchymal stem cells secretome: a new paradigm for central nervous system regeneration?. Cellular and Molecular Life Sciences, 2013, 70, 3871-3882.	2.4	270
11	Cognitive performance in healthy older adults relates to spontaneous switching between states of functional connectivity during rest. Scientific Reports, 2017, 7, 5135.	1.6	257
12	A trans-dimensional approach to the behavioral aspects of depression. Frontiers in Behavioral Neuroscience, 2009, 3, 1.	1.0	243
13	Morphological Correlates of Corticosteroid-Induced Changes in Prefrontal Cortex-Dependent Behaviors. Journal of Neuroscience, 2005, 25, 7792-7800.	1.7	242
14	A hitchhiker's guide to behavioral analysis in laboratory rodents. Genes, Brain and Behavior, 2006, 5, 5-24.	1.1	234
15	Blood-brain-barriers in aging and in Alzheimer's disease. Molecular Neurodegeneration, 2013, 8, 38.	4.4	222
16	Stress Acts Cumulatively To Precipitate Alzheimer's Disease-Like Tau Pathology and Cognitive Deficits. Journal of Neuroscience, 2011, 31, 7840-7847.	1.7	217
17	Direct targeting of hippocampal neurons for apoptosis by glucocorticoids is reversible by mineralocorticoid receptor activation. Molecular Psychiatry, 2005, 10, 790-798.	4.1	190
18	Chronic Stress and Glucocorticoids: From Neuronal Plasticity to Neurodegeneration. Neural Plasticity, 2016, 2016, 1-15.	1.0	186

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19	Unveiling the Differences of Secretome of Human Bone Marrow Mesenchymal Stem Cells, Adipose Tissue-Derived Stem Cells, and Human Umbilical Cord Perivascular Cells: A Proteomic Analysis. <i>Stem Cells and Development</i> , 2016, 25, 1073-1083.	1.1	175
20	Dendrimers and derivatives as a potential therapeutic tool in regenerative medicine strategies—A review. <i>Progress in Polymer Science</i> , 2010, 35, 1163-1194.	11.8	171
21	The stressed prefrontal cortex. Left? Right!. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 630-638.	2.0	165
22	Activation of D2 dopamine receptor-expressing neurons in the nucleus accumbens increases motivation. <i>Nature Communications</i> , 2016, 7, 11829.	5.8	164
23	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2016, 10, 515.	1.4	159
24	Criticality between Cortical States. <i>Physical Review Letters</i> , 2019, 122, 208101.	2.9	159
25	Neuropathic pain is associated with depressive behaviour and induces neuroplasticity in the amygdala of the rat. <i>Experimental Neurology</i> , 2008, 213, 48-56.	2.0	158
26	The impact of chronic stress on the rat brain lipidome. <i>Molecular Psychiatry</i> , 2016, 21, 80-88.	4.1	157
27	Atypical, non-standard functions of the microtubule associated Tau protein. <i>Acta Neuropathologica Communications</i> , 2017, 5, 91.	2.4	157
28	The amyloidogenic potential and behavioral correlates of stress. <i>Molecular Psychiatry</i> , 2009, 14, 95-105.	4.1	154
29	Functional Roles of Astrocyte Calcium Elevations: From Synapses to Behavior. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 427.	1.8	154
30	Do stars govern our actions? Astrocyte involvement in rodent behavior. <i>Trends in Neurosciences</i> , 2015, 38, 535-549.	4.2	152
31	Impact of the Secretome of Human Mesenchymal Stem Cells on Brain Structure and Animal Behavior in a Rat Model of Parkinson's Disease. <i>Stem Cells Translational Medicine</i> , 2017, 6, 634-646.	1.6	152
32	Lithium blocks stress-induced changes in depressive-like behavior and hippocampal cell fate: The role of glycogen-synthase-kinase-3 β . <i>Neuroscience</i> , 2008, 152, 656-669.	1.1	151
33	An Efficient Chronic Unpredictable Stress Protocol to Induce Stress-Related Responses in C57BL/6 Mice. <i>Frontiers in Psychiatry</i> , 2015, 6, 6.	1.3	147
34	Specific Configuration of Dendritic Degeneration in Pyramidal Neurons of the Medial Prefrontal Cortex Induced by Differing Corticosteroid Regimens. <i>Cerebral Cortex</i> , 2007, 17, 1998-2006.	1.6	146
35	Telephone-based screening tools for mild cognitive impairment and dementia in aging studies: a review of validated instruments. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 16.	1.7	143
36	Behavioral characterization of the 6-hydroxidopamine model of Parkinson's disease and pharmacological rescuing of non-motor deficits. <i>Molecular Neurodegeneration</i> , 2013, 8, 14.	4.4	142

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37	Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. <i>Biomaterials</i> , 2013, 34, 9886-9904.	5.7	140
38	Nucleus accumbens medium spiny neurons subtypes signal both reward and aversion. <i>Molecular Psychiatry</i> , 2020, 25, 3241-3255.	4.1	140
39	Stress-induced changes in human decision-making are reversible. <i>Translational Psychiatry</i> , 2012, 2, e131-e131.	2.4	139
40	Hydrogels and Cell Based Therapies in Spinal Cord Injury Regeneration. <i>Stem Cells International</i> , 2015, 2015, 1-24.	1.2	135
41	Disconnection and reconnection: the morphological basis of (mal)adaptation to stress. <i>Trends in Neurosciences</i> , 2012, 35, 742-751.	4.2	134
42	Tau protein is essential for stress-induced brain pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3755-63.	3.3	133
43	From the periphery to the brain: Lipocalin-2, a friend or foe?. <i>Progress in Neurobiology</i> , 2015, 131, 120-136.	2.8	132
44	The effects of peptide modified gellan gum and olfactory ensheathing glia cells on neural stem/progenitor cell fate. <i>Biomaterials</i> , 2012, 33, 6345-6354.	5.7	129
45	Corticosteroid receptors and neuroplasticity. <i>Brain Research Reviews</i> , 2008, 57, 561-570.	9.1	127
46	Dissociation of the morphological correlates of stress-induced anxiety and fear. <i>European Journal of Neuroscience</i> , 2008, 27, 1503-1516.	1.2	125
47	Reappraising striatal D1- and D2-neurons in reward and aversion. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 370-386.	2.9	125
48	Effects of corticosterone treatment and rehabilitation on the hippocampal formation of neonatal and adult rats. An unbiased stereological study. <i>Brain Research</i> , 1998, 794, 199-210.	1.1	124
49	Sustained remission from depressive-like behavior depends on hippocampal neurogenesis. <i>Translational Psychiatry</i> , 2013, 3, e210-e210.	2.4	124
50	Rodent models of Parkinson's disease: beyond the motor symptomatology. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 175.	1.0	124
51	Selective vulnerability of the hippocampal pyramidal neurons to hypothyroidism in male and female rats. <i>Journal of Comparative Neurology</i> , 1992, 322, 501-518.	0.9	122
52	Age and sex do not affect the volume, cell numbers, or cell size of the suprachiasmatic nucleus of the rat: An unbiased stereological study. <i>Journal of Comparative Neurology</i> , 1995, 361, 585-601.	0.9	122
53	IL-10 modulates depressive-like behavior. <i>Journal of Psychiatric Research</i> , 2008, 43, 89-97.	1.5	121
54	The Use of Multiple Correspondence Analysis to Explore Associations between Categories of Qualitative Variables in Healthy Ageing. <i>Journal of Aging Research</i> , 2013, 2013, 1-12.	0.4	121

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55	Proinflammatory and anti-inflammatory cytokines in the CSF of patients with Alzheimer's disease and their correlation with cognitive decline. <i>Neurobiology of Aging</i> , 2019, 76, 125-132.	1.5	121
56	Maternal hormonal milieu influence on fetal brain development. <i>Brain and Behavior</i> , 2018, 8, e00920.	1.0	120
57	Arterial stiffness and influences of the metabolic syndrome: A cross-countries study. <i>Atherosclerosis</i> , 2014, 233, 654-660.	0.4	116
58	The impact of age on emotional and cognitive behaviours triggered by experimental neuropathy in rats. <i>Pain</i> , 2009, 144, 57-65.	2.0	115
59	Insights on the pathophysiology of Alzheimer's disease: The crosstalk between amyloid pathology, neuroinflammation and the peripheral immune system. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 547-562.	2.9	114
60	Neuroferritinopathy: Missense mutation in FTL causing early-onset bilateral pallidal involvement. <i>Neurology</i> , 2005, 65, 603-605.	1.5	112
61	Transthyretin is involved in depression-like behaviour and exploratory activity. <i>Journal of Neurochemistry</i> , 2004, 88, 1052-1058.	2.1	111
62	The secretome of stem cells isolated from the adipose tissue and Wharton jelly acts differently on central nervous system derived cell populations. <i>Stem Cell Research and Therapy</i> , 2012, 3, 18.	2.4	111
63	Corticosteroids: Sculptors of the Hippocampal Formation. <i>Reviews in the Neurosciences</i> , 2002, 13, 59-84.	1.4	107
64	Stress-induced anhedonia is associated with hypertrophy of medium spiny neurons of the nucleus accumbens. <i>Translational Psychiatry</i> , 2013, 3, e266-e266.	2.4	107
65	Tissue Engineering and Regenerative Medicine. <i>International Review of Neurobiology</i> , 2013, 108, 1-33.	0.9	107
66	Stress Impact on Resting State Brain Networks. <i>PLoS ONE</i> , 2013, 8, e66500.	1.1	105
67	Development and Characterization of a Novel Hybrid Tissue Engineering-Based Scaffold for Spinal Cord Injury Repair. <i>Tissue Engineering - Part A</i> , 2010, 16, 45-54.	1.6	103
68	Chronic Alcohol Consumption and Withdrawal Do Not Induce Cell Death in the Suprachiasmatic Nucleus, But Lead to Irreversible Depression of Peptide Immunoreactivity and mRNA Levels. <i>Journal of Neuroscience</i> , 1997, 17, 1302-1319.	1.7	101
69	How age, sex and genotype shape the stress response. <i>Neurobiology of Stress</i> , 2017, 6, 44-56.	1.9	101
70	Secretome of Mesenchymal Progenitors from the Umbilical Cord Acts as Modulator of Neural/Glial Proliferation and Differentiation. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 288-297.	5.6	100
71	Maintenance of Hippocampal Cell Numbers in Young and Aged Rats Submitted to Chronic Unpredictable Stress. Comparison with the Effects of Corticosterone Treatment. <i>Stress</i> , 1998, 2, 237-249.	0.8	99
72	Astrocyte pathology in the prefrontal cortex impairs the cognitive function of rats. <i>Molecular Psychiatry</i> , 2014, 19, 834-841.	4.1	98

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73	Methylation at the CpG island shore region upregulates <i>Nr3c1</i> promoter activity after early-life stress. <i>Epigenetics</i> , 2015, 10, 247-257.	1.3	98
74	Modulation of the Mesenchymal Stem Cell Secretome Using Computer-Controlled Bioreactors: Impact on Neuronal Cell Proliferation, Survival and Differentiation. <i>Scientific Reports</i> , 2016, 6, 27791.	1.6	98
75	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.	1.5	97
76	Reverse shoulder arthroplasty for irreparable massive rotator cuff tears: a systematic review with meta-analysis and meta-regression. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, e265-e277.	1.2	97
77	Ligand and subfield specificity of corticoid-induced neuronal loss in the rat hippocampal formation. <i>Neuroscience</i> , 1999, 89, 1079-1087.	1.1	96
78	Kinetic Profile of the Transcriptome Changes Induced in the Choroid Plexus by Peripheral Inflammation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 921-932.	2.4	95
79	The dynamics of the stress neuromatrix. <i>Molecular Psychiatry</i> , 2016, 21, 302-312.	4.1	94
80	Microglia Response and In Vivo Therapeutic Potential of Methylprednisolone-Loaded Dendrimer Nanoparticles in Spinal Cord Injury. <i>Small</i> , 2013, 9, 738-749.	5.2	91
81	Mesenchymal Stem Cells in the Umbilical Cord: Phenotypic Characterization, Secretome and Applications in Central Nervous System Regenerative Medicine. <i>Current Stem Cell Research and Therapy</i> , 2011, 6, 221-228.	0.6	90
82	Pulse wave velocity distribution in a cohort study. <i>Journal of Hypertension</i> , 2015, 33, 1438-1445.	0.3	90
83	Mesenchymal stem cells secretome as a modulator of the neurogenic niche: basic insights and therapeutic opportunities. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 249.	1.8	90
84	SMAD pathway mediation of BDNF and TGF β 2 regulation of proliferation and differentiation of hippocampal granule neurons. <i>Development (Cambridge)</i> , 2005, 132, 3231-3242.	1.2	89
85	Angiogenic Potential of Gellan-Gum-Based Hydrogels for Application in Nucleus Pulposus Regeneration: <i>In Vivo</i> Study. <i>Tissue Engineering - Part A</i> , 2012, 18, 1203-1212.	1.6	89
86	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.	2.9	88
87	Transcriptome signature of the adult mouse choroid plexus. <i>Fluids and Barriers of the CNS</i> , 2011, 8, 10.	2.4	88
88	Serotonin 2C receptor antagonists induce fast-onset antidepressant effects. <i>Molecular Psychiatry</i> , 2014, 19, 1106-1114.	4.1	88
89	Development of Gellan Gum-Based Microparticles/Hydrogel Matrices for Application in the Intervertebral Disc Regeneration. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 961-972.	1.1	87
90	The Big Five default brain: functional evidence. <i>Brain Structure and Function</i> , 2014, 219, 1913-1922.	1.2	87

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91	TET enzymes and DNA hydroxymethylation in neural development and function – How critical are they?. <i>Genomics</i> , 2014, 104, 334-340.	1.3	87
92	Potential programming of dopaminergic circuits by early life stress. <i>Psychopharmacology</i> , 2011, 214, 107-120.	1.5	85
93	Evidence for abnormal early development in a mouse model of Rett syndrome. <i>Genes, Brain and Behavior</i> , 2007, 6, 277-286.	1.1	84
94	Stressed brain, diseased heart: A review on the pathophysiologic mechanisms of neurocardiology. <i>International Journal of Cardiology</i> , 2013, 166, 30-37.	0.8	84
95	Protective Elements of Mental Health Status during the COVID-19 Outbreak in the Portuguese Population. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1910.	1.2	84
96	Lipocalin 2 is a Choroid Plexus Acute-Phase Protein. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 450-455.	2.4	80
97	Dysregulation of autophagy and stress granule-related proteins in stress-driven Tau pathology. <i>Cell Death and Differentiation</i> , 2019, 26, 1411-1427.	5.0	80
98	Hippocampal neurogenesis induced by antidepressant drugs: an epiphenomenon in their mood-improving actions. <i>Molecular Psychiatry</i> , 2009, 14, 739-739.	4.1	79
99	The path from the choroid plexus to the subventricular zone: go with the flow!. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 34.	1.8	79
100	Uncovering the underlying mechanisms and whole-brain dynamics of deep brain stimulation for Parkinson's disease. <i>Scientific Reports</i> , 2017, 7, 9882.	1.6	79
101	Lipocalin 2 is present in the EAE brain and is modulated by natalizumab. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 33.	1.8	78
102	Depletion of the neural precursor cell pool by glucocorticoids. <i>Annals of Neurology</i> , 2010, 67, 21-30.	2.8	77
103	The functional connectome of cognitive reserve. <i>Human Brain Mapping</i> , 2016, 37, 3310-3322.	1.9	76
104	Differential effects of left/right neuropathy on rats' anxiety and cognitive behavior. <i>Pain</i> , 2012, 153, 2218-2225.	2.0	74
105	Endolysosomal degradation of Tau and its role in glucocorticoid-driven hippocampal malfunction. <i>EMBO Journal</i> , 2018, 37, .	3.5	73
106	The SIGMA rat brain templates and atlases for multimodal MRI data analysis and visualization. <i>Nature Communications</i> , 2019, 10, 5699.	5.8	73
107	Mapping Cortical and Subcortical Asymmetry in Obsessive-Compulsive Disorder: Findings From the ENIGMA Consortium. <i>Biological Psychiatry</i> , 2020, 87, 1022-1034.	0.7	73
108	Ionotropic and metabotropic glutamate receptor mediation of glucocorticoid-induced apoptosis in hippocampal cells and the neuroprotective role of synaptic N-methyl-d-aspartate receptors. <i>Neuroscience</i> , 2003, 121, 123-131.	1.1	72

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109	Stress and the Neuroendocrinology of Anxiety Disorders. <i>Current Topics in Behavioral Neurosciences</i> , 2009, 2, 97-118.	0.8	71
110	Astrocytic signaling supports hippocampal prefrontal theta synchronization and cognitive function. <i>Glia</i> , 2017, 65, 1944-1960.	2.5	71
111	Altered Iron Metabolism Is Part of the Choroid Plexus Response to Peripheral Inflammation. <i>Endocrinology</i> , 2009, 150, 2822-2828.	1.4	70
112	Mesenchymal stem cells secretome-induced axonal outgrowth is mediated by BDNF. <i>Scientific Reports</i> , 2017, 7, 4153.	1.6	70
113	Lipocalin-2 is involved in emotional behaviors and cognitive function. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 122.	1.8	69
114	Heterozygous deletion of the Williams-Beuren syndrome critical interval in mice recapitulates most features of the human disorder. <i>Human Molecular Genetics</i> , 2014, 23, 6481-6494.	1.4	69
115	Old and new challenges in Parkinson's disease therapeutics. <i>Progress in Neurobiology</i> , 2017, 156, 69-89.	2.8	69
116	Adenosine A2A receptor regulation of microglia morphological remodeling-gender bias in physiology and in a model of chronic anxiety. <i>Molecular Psychiatry</i> , 2017, 22, 1035-1043.	4.1	69
117	Depression in medical students: insights from a longitudinal study. <i>BMC Medical Education</i> , 2017, 17, 184.	1.0	69
118	Interleukin-10: A Key Cytokine in Depression?. <i>Cardiovascular Psychiatry and Neurology</i> , 2009, 2009, 1-5.	0.8	68
119	Combination of a peptide-modified gellan gum hydrogel with cell therapy in a lumbar spinal cord injury animal model. <i>Biomaterials</i> , 2016, 105, 38-51.	5.7	68
120	Mesenchymal Stem Cell Secretome Improves Tendon Cell Viability In Vitro and Tendon-Bone Healing In Vivo When a Tissue Engineering Strategy Is Used in a Rat Model of Chronic Massive Rotator Cuff Tear. <i>American Journal of Sports Medicine</i> , 2018, 46, 449-459.	1.9	68
121	Neurodevelopment milestone abnormalities in rats exposed to stress in early life. <i>Neuroscience</i> , 2007, 147, 1022-1033.	1.1	67
122	Do hypoxia/normoxia culturing conditions change the neuroregulatory profile of Wharton Jelly mesenchymal stem cell secretome?. <i>Stem Cell Research and Therapy</i> , 2015, 6, 133.	2.4	67
123	Adult hippocampal neuroplasticity triggers susceptibility to recurrent depression. <i>Translational Psychiatry</i> , 2017, 7, e1058-e1058.	2.4	67
124	Stress affects theta activity in limbic networks and impairs novelty-induced exploration and familiarization. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 127.	1.0	66
125	The impact of stress in decision making in the context of uncertainty. <i>Journal of Neuroscience Research</i> , 2015, 93, 839-847.	1.3	66
126	Differential impact of chronic stress along the hippocampal dorsal-ventral axis. <i>Brain Structure and Function</i> , 2015, 220, 1205-1212.	1.2	66

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127	Induction of a Hyperanxious State by Antenatal Dexamethasone: A Case for Less Detrimental Natural Corticosteroids. <i>Biological Psychiatry</i> , 2006, 59, 844-852.	0.7	65
128	Employing an open-source tool to assess astrocyte tridimensional structure. <i>Brain Structure and Function</i> , 2017, 222, 1989-1999.	1.2	65
129	Identification methods in newborn C57BL/6 mice: a developmental and behavioural evaluation. <i>Laboratory Animals</i> , 2010, 44, 88-103.	0.5	64
130	The Behavioral and Immunological Impact of Maternal Separation: A Matter of Timing. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 192.	1.0	63
131	Mesenchymal Stem Cell Secretome: A Potential Tool for the Prevention of Muscle Degenerative Changes Associated With Chronic Rotator Cuff Tears. <i>American Journal of Sports Medicine</i> , 2017, 45, 179-188.	1.9	63
132	Mild Prenatal Stress Causes Emotional and Brain Structural Modifications in Rats of Both Sexes. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 129.	1.0	62
133	Transthyretin influences spatial reference memory. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 381-385.	1.0	61
134	The choroid plexus response to a repeated peripheral inflammatory stimulus. <i>BMC Neuroscience</i> , 2009, 10, 135.	0.8	60
135	The choroid plexus transcriptome reveals changes in type I and II interferon responses in a mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2015, 49, 280-292.	2.0	60
136	The dynamics of stress: a longitudinal MRI study of rat brain structure and connectome. <i>Molecular Psychiatry</i> , 2018, 23, 1998-2006.	4.1	60
137	Mechanisms of initiation and reversal of drug-seeking behavior induced by prenatal exposure to glucocorticoids. <i>Molecular Psychiatry</i> , 2012, 17, 1295-1305.	4.1	59
138	Lipocalin 2 modulates the cellular response to amyloid beta. <i>Cell Death and Differentiation</i> , 2014, 21, 1588-1599.	5.0	59
139	Nucleus Accumbens Microcircuit Underlying D2-MSN-Driven Increase in Motivation. <i>ENeuro</i> , 2018, 5, ENEURO.0386-18.2018.	0.9	59
140	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
141	The effects of chronic stress on hippocampal adult neurogenesis and dendritic plasticity are reversed by selective MAO-A inhibition. <i>Journal of Psychopharmacology</i> , 2014, 28, 1178-1183.	2.0	57
142	Differential and Converging Molecular Mechanisms of Antidepressants' Action in the Hippocampal Dentate Gyrus. <i>Neuropsychopharmacology</i> , 2015, 40, 338-349.	2.8	57
143	Sexual dimorphism in the mossy fiber synapses of the rat hippocampus. <i>Experimental Brain Research</i> , 1991, 87, 537-45.	0.7	56
144	Effects of chronic alcohol consumption and of dehydration on the supraoptic nucleus of adult male and female rats. <i>Neuroscience</i> , 1993, 56, 657-672.	1.1	56

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145	The effect of high-fat diet on rats' mood, feeding behavior and response to stress. <i>Translational Psychiatry</i> , 2015, 5, e684-e684.	2.4	56
146	The secretome of bone marrow mesenchymal stem cells-conditioned media varies with time and drives a distinct effect on mature neurons and glial cells (primary cultures). <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 668-672.	1.3	55
147	Inflammatory pathology markers (activated microglia and reactive astrocytes) in early and late onset Alzheimer disease: a post mortem study. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 298-313.	1.8	55
148	Modulation of bone marrow mesenchymal stem cell secretome by ECM-like hydrogels. <i>Biochimie</i> , 2013, 95, 2314-2319.	1.3	54
149	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.	1.7	54
150	Programming effects of antenatal dexamethasone in the developing mesolimbic pathways. <i>Synapse</i> , 2007, 61, 40-49.	0.6	50
151	Excitotoxic lesions in the central nucleus of the amygdala attenuate stress-induced anxiety behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 32.	1.0	50
152	The role of sex and sex-related hormones in cognition, mood and well-being in older men and women. <i>Biological Psychology</i> , 2014, 103, 158-166.	1.1	49
153	Tau Deletion Prevents Stress-Induced Dendritic Atrophy in Prefrontal Cortex: Role of Synaptic Mitochondria. <i>Cerebral Cortex</i> , 2017, 27, bhw057.	1.6	49
154	Co-Transplantation of Adipose Tissue-Derived Stromal Cells and Olfactory Ensheathing Cells for Spinal Cord Injury Repair. <i>Stem Cells</i> , 2018, 36, 696-708.	1.4	48
155	Impact of Chronic Stress Protocols in Learning and Memory in Rodents: Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0163245.	1.1	48
156	The choroid plexus response to peripheral inflammatory stimulus. <i>Neuroscience</i> , 2007, 144, 424-430.	1.1	47
157	Development and Characterization of a PHB-HV-based 3D Scaffold for a Tissue Engineering and Cell Therapy Combinatorial Approach for Spinal Cord Injury Regeneration. <i>Macromolecular Bioscience</i> , 2013, 13, 1576-1592.	2.1	47
158	An Alpha and Theta Intensive and Short Neurofeedback Protocol for Healthy Aging Working-Memory Training. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 157.	1.7	47
159	Patterns of Theta Activity in Limbic Anxiety Circuit Preceding Exploratory Behavior in Approach-Avoidance Conflict. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 171.	1.0	47
160	Tau-dependent suppression of adult neurogenesis in the stressed hippocampus. <i>Molecular Psychiatry</i> , 2017, 22, 1110-1118.	4.1	47
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