

Carmen Sandi

List of Publications by Year in descending order

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237
papers

15,372
citations

15504
65
h-index

22832
112
g-index

268
all docs

268
docs citations

268
times ranked

14814
citing authors

#	ARTICLE	IF	CITATIONS
1	Urolithin A induces mitophagy and prolongs lifespan in <i>C. elegans</i> and increases muscle function in rodents. <i>Nature Medicine</i> , 2016, 22, 879-888.	30.7	668
2	Gene expression across mammalian organ development. <i>Nature</i> , 2019, 571, 505-509.	27.8	490
3	Stress and Memory: Behavioral Effects and Neurobiological Mechanisms. <i>Neural Plasticity</i> , 2007, 2007, 1-20.	2.2	463
4	Stress and the social brain: behavioural effects and neurobiological mechanisms. <i>Nature Reviews Neuroscience</i> , 2015, 16, 290-304.	10.2	442
5	Experience-dependent Facilitating Effect of Corticosterone on Spatial Memory Formation in the Water Maze. <i>European Journal of Neuroscience</i> , 1997, 9, 637-642.	2.6	377
6	An energetic view of stress: Focus on mitochondria. <i>Frontiers in Neuroendocrinology</i> , 2018, 49, 72-85.	5.2	341
7	Stress, cognitive impairment and cell adhesion molecules. <i>Nature Reviews Neuroscience</i> , 2004, 5, 917-930.	10.2	338
8	Abnormal Fear Conditioning and Amygdala Processing in an Animal Model of Autism. <i>Neuropsychopharmacology</i> , 2008, 33, 901-912.	5.4	309
9	Stress and cognition. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2013, 4, 245-261.	2.8	281
10	Corticosterone enhances long-term retention in one-day-old chicks trained in a weak passive avoidance learning paradigm. <i>Brain Research</i> , 1994, 647, 106-112.	2.2	240
11	Neurobiological links between stress and anxiety. <i>Neurobiology of Stress</i> , 2019, 11, 100191.	4.0	223
12	Learning under stress: The inverted-U-shape function revisited. <i>Learning and Memory</i> , 2010, 17, 522-530.	1.3	207
13	Mitochondrial function in the brain links anxiety with social subordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15486-15491.	7.1	204
14	Peripuberty stress leads to abnormal aggression, altered amygdala and orbitofrontal reactivity and increased prefrontal MAOA gene expression. <i>Translational Psychiatry</i> , 2013, 3, e216-e216.	4.8	196
15	From high anxiety trait to depression: a neurocognitive hypothesis. <i>Trends in Neurosciences</i> , 2009, 32, 312-320.	8.6	186
16	Stress effects on working memory, explicit memory, and implicit memory for neutral and emotional stimuli in healthy men. <i>Frontiers in Behavioral Neuroscience</i> , 2008, 2, 5.	2.0	184
17	Novelty-related Rapid Locomotor Effects of Corticosterone in Rats. <i>European Journal of Neuroscience</i> , 1996, 8, 794-800.	2.6	183
18	Rapid reversal of stress induced loss of synapses in CA3 of rat hippocampus following water maze training. <i>European Journal of Neuroscience</i> , 2003, 17, 2447-2456.	2.6	182

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19	Stress suppresses and learning induces plasticity in CA3 of rat hippocampus: A three-dimensional ultrastructural study of thorny excrescences and their postsynaptic densities. <i>Neuroscience</i> , 2005, 131, 43-54.	2.3	180
20	Effects of chronic stress on contextual fear conditioning and the hippocampal expression of the neural cell adhesion molecule, its polysialylation, and L1. <i>Neuroscience</i> , 2001, 102, 329-339.	2.3	179
21	High anxiety trait: A vulnerable phenotype for stress-induced depression. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 87, 27-37.	6.1	170
22	Correlational relationship between shock intensity and corticosterone secretion on the establishment and subsequent expression of contextual fear conditioning.. <i>Behavioral Neuroscience</i> , 1998, 112, 885-891.	1.2	163
23	Prior exposure to a single stress session facilitates subsequent contextual fear conditioning in rats. <i>Hormones and Behavior</i> , 2003, 44, 338-345.	2.1	161
24	Hierarchical Status Predicts Behavioral Vulnerability and Nucleus Accumbens Metabolic Profile Following Chronic Social Defeat Stress. <i>Current Biology</i> , 2017, 27, 2202-2210.e4.	3.9	161
25	Glucocorticoids act on glutamatergic pathways to affect memory processes. <i>Trends in Neurosciences</i> , 2011, 34, 165-176.	8.6	160
26	A role for brain glucocorticoid receptors in contextual fear conditioning: dependence upon training intensity. <i>Brain Research</i> , 1998, 786, 11-17.	2.2	159
27	Individual differences in anxiety trait are related to spatial learning abilities and hippocampal expression of mineralocorticoid receptors. <i>Neurobiology of Learning and Memory</i> , 2006, 86, 150-159.	1.9	159
28	A Synthetic Neural Cell Adhesion Molecule Mimetic Peptide Promotes Synaptogenesis, Enhances Presynaptic Function, and Facilitates Memory Consolidation. <i>Journal of Neuroscience</i> , 2004, 24, 4197-4204.	3.6	155
29	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 5-50.	0.7	152
30	A Facilitative Role for Corticosterone in the Acquisition of a Spatial Task Under Moderate Stress. <i>Learning and Memory</i> , 2004, 11, 188-195.	1.3	149
31	Regulation of brain-derived neurotrophic factor (BDNF) in the chronic unpredictable stress rat model and the effects of chronic antidepressant treatment. <i>Journal of Psychiatric Research</i> , 2010, 44, 808-816.	3.1	137
32	Effects of Adverse Early-Life Events on Aggression and Anti-Social Behaviours in Animals and Humans. <i>Journal of Neuroendocrinology</i> , 2014, 26, 724-738.	2.6	134
33	The Role and Mechanisms of Action of Glucocorticoid Involvement in Memory Storage. <i>Neural Plasticity</i> , 1998, 6, 41-52.	2.2	133
34	Corticosteroid Receptor Antagonists are Amnesic for Passive Avoidance Learning in Day-Old Chicks. <i>European Journal of Neuroscience</i> , 1994, 6, 1292-1297.	2.6	132
35	Chronic restraint stress induces changes in synapse morphology in stratum lacunosum-moleculare CA1 rat hippocampus: A stereological and three-dimensional ultrastructural study. <i>Neuroscience</i> , 2006, 140, 597-606.	2.3	122
36	Phosphoinositide-3-Kinase Activation Controls Synaptogenesis and Spinogenesis in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2011, 31, 2721-2733.	3.6	121

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37	Differential activation of hippocampus and amygdala following spatial learning under stress. <i>European Journal of Neuroscience</i> , 2001, 14, 719-725.	2.6	117
38	Correlational relationship between shock intensity and corticosterone secretion on the establishment and subsequent expression of contextual fear conditioning. <i>Behavioral Neuroscience</i> , 1998, 112, 885-891.	1.2	112
39	KAP1-Mediated Epigenetic Repression in the Forebrain Modulates Behavioral Vulnerability to Stress. <i>Neuron</i> , 2008, 60, 818-831.	8.1	110
40	Hippocampal-Dependent Spatial Memory in the Water Maze is Preserved in an Experimental Model of Temporal Lobe Epilepsy in Rats. <i>PLoS ONE</i> , 2011, 6, e22372.	2.5	109
41	Stress during Adolescence Increases Novelty Seeking and Risk-Taking Behavior in Male and Female Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 17.	2.0	106
42	Acute stress-induced impairment of spatial memory is associated with decreased expression of neural cell adhesion molecule in the hippocampus and prefrontal cortex. <i>Biological Psychiatry</i> , 2005, 57, 856-864.	1.3	105
43	Lack of thyroid hormone receptor $\beta 1$ is associated with selective alterations in behavior and hippocampal circuits. <i>Molecular Psychiatry</i> , 2003, 8, 30-38.	7.9	104
44	Chronic stress induces opposite changes in the mRNA expression of the cell adhesion molecules NCAM and L1. <i>Neuroscience</i> , 2002, 115, 1211-1219.	2.3	101
45	Role for MMP-9 in stress-induced downregulation of nectin-3 in hippocampal CA1 and associated behavioural alterations. <i>Nature Communications</i> , 2014, 5, 4995.	12.8	101
46	Stress at Learning Facilitates Memory Formation by Regulating AMPA Receptor Trafficking Through a Glucocorticoid Action. <i>Neuropsychopharmacology</i> , 2010, 35, 674-685.	5.4	100
47	Anxiety and Brain Mitochondria: A Bidirectional Crosstalk. <i>Trends in Neurosciences</i> , 2019, 42, 573-588.	8.6	96
48	Regulation of hippocampal cell adhesion molecules NCAM and L1 by contextual fear conditioning is dependent upon time and stressor intensity. <i>European Journal of Neuroscience</i> , 2000, 12, 3283-3290.	2.6	93
49	Glucocorticoid Involvement in Memory Formation in a Rat Model for Traumatic Memory. <i>Stress</i> , 2002, 5, 73-79.	1.8	93
50	Diazepam actions in the VTA enhance social dominance and mitochondrial function in the nucleus accumbens by activation of dopamine D1 receptors. <i>Molecular Psychiatry</i> , 2018, 23, 569-578.	7.9	93
51	Upregulation of Polysialylated Neural Cell Adhesion Molecule in the Dorsal Hippocampus after Contextual Fear Conditioning Is Involved in Long-Term Memory Formation. <i>Journal of Neuroscience</i> , 2007, 27, 4552-4561.	3.6	90
52	Spatial learning impairment induced by chronic stress is related to individual differences in novelty reactivity: search for neurobiological correlates. <i>Psychoneuroendocrinology</i> , 2004, 29, 290-305.	2.7	86
53	Stress before Puberty Exerts a Sex- and Age-Related Impact on Auditory and Contextual Fear Conditioning in the Rat. <i>Neural Plasticity</i> , 2007, 2007, 1-12.	2.2	86
54	Training-dependent biphasic effects of corticosterone in memory formation for a passive avoidance task in chicks. <i>Psychopharmacology</i> , 1997, 133, 152-160.	3.1	85

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55	Stress pulls us apart: Anxiety leads to differences in competitive confidence under stress. <i>Psychoneuroendocrinology</i> , 2015, 54, 115-123.	2.7	85
56	Hippocampal up-regulation of NCAM expression and polysialylation plays a key role on spatial memory. <i>European Journal of Neuroscience</i> , 2006, 23, 1585-1595.	2.6	83
57	Macrophage migration inhibitory factor is critically involved in basal and fluoxetine-stimulated adult hippocampal cell proliferation and in anxiety, depression, and memory-related behaviors. <i>Molecular Psychiatry</i> , 2011, 16, 533-547.	7.9	81
58	Advances in understanding neural mechanisms of social dominance. <i>Current Opinion in Neurobiology</i> , 2018, 49, 99-107.	4.2	81
59	Modulation of hippocampal NCAM polysialylation and spatial memory consolidation by fear conditioning. <i>Biological Psychiatry</i> , 2003, 54, 599-607.	1.3	79
60	Chronic stress-induced alterations in amygdala responsiveness and behavior – modulation by trait anxiety and corticotropin-releasing factor systems. <i>European Journal of Neuroscience</i> , 2008, 28, 1836-1848.	2.6	77
61	Learning under stress: A role for the neural cell adhesion molecule NCAM. <i>Neurobiology of Learning and Memory</i> , 2009, 91, 333-342.	1.9	76
62	Social memories in rodents: Methods, mechanisms and modulation by stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1763-1772.	6.1	75
63	Personality traits in rats predict vulnerability and resilience to developing stress-induced depression-like behaviors, HPA axis hyper-reactivity and brain changes in pERK1/2 activity. <i>Psychoneuroendocrinology</i> , 2012, 37, 1209-1223.	2.7	73
64	Peripubertal stress-induced behavioral changes are associated with altered expression of genes involved in excitation and inhibition in the amygdala. <i>Translational Psychiatry</i> , 2014, 4, e410-e410.	4.8	72
65	A Model for the Involvement of Neural Cell Adhesion Molecules in Stress-Related Mood Disorders. <i>Neuroendocrinology</i> , 2007, 85, 158-176.	2.5	70
66	Evidence for biological roots in the transgenerational transmission of intimate partner violence. <i>Translational Psychiatry</i> , 2012, 2, e106-e106.	4.8	70
67	Impaired Hippocampal Neuroligin-2 Function by Chronic Stress or Synthetic Peptide Treatment is Linked to Social Deficits and Increased Aggression. <i>Neuropsychopharmacology</i> , 2014, 39, 1148-1158.	5.4	69
68	Stress, genotype and norepinephrine in the prediction of mouse behavior using reinforcement learning. <i>Nature Neuroscience</i> , 2009, 12, 1180-1186.	14.8	68
69	Chronic restraint stress down-regulates amygdaloid expression of polysialylated neural cell adhesion molecule. <i>Neuroscience</i> , 2005, 133, 903-910.	2.3	66
70	Stress amplifies memory for social hierarchy. <i>Frontiers in Neuroscience</i> , 2007, 1, 175-184.	2.8	65
71	Detailed classification of swimming paths in the Morris Water Maze: multiple strategies within one trial. <i>Scientific Reports</i> , 2015, 5, 14562.	3.3	65
72	The social nature of mitochondria: Implications for human health. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 595-610.	6.1	65

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73	Evidence for a Role of Oxytocin Receptors in the Long-Term Establishment of Dominance Hierarchies. <i>Neuropsychopharmacology</i> , 2011, 36, 2349-2356.	5.4	64
74	Chronic stress in adulthood followed by intermittent stress impairs spatial memory and the survival of newborn hippocampal cells in aging animals: prevention by FGL, a peptide mimetic of neural cell adhesion molecule. <i>Behavioural Pharmacology</i> , 2008, 19, 41-49.	1.7	63
75	Hippocampal neuroligin-2 links early-life stress with impaired social recognition and increased aggression in adult mice. <i>Psychoneuroendocrinology</i> , 2015, 55, 128-143.	2.7	63
76	Selective learning and memory impairments in mice deficient for polysialylated NCAM in adulthood. <i>Neuroscience</i> , 2007, 144, 788-796.	2.3	62
77	Decreased spontaneous motor activity and startle response in nitric oxide synthase inhibitor-treated rats. <i>European Journal of Pharmacology</i> , 1995, 277, 89-97.	3.5	61
78	Opposite effects on NCAM expression in the rat frontal cortex induced by acute vs. chronic corticosterone treatments. <i>Brain Research</i> , 1999, 828, 127-134.	2.2	61
79	Prolonged increase of corticosterone secretion by chronic social stress does not necessarily impair immune functions. <i>Life Sciences</i> , 1992, 50, 723-731.	4.3	60
80	Post-training administration of a synthetic peptide ligand of the neural cell adhesion molecule, C3d, attenuates long-term expression of contextual fear conditioning. <i>Neuroscience</i> , 2003, 122, 183-191.	2.3	59
81	Neural mechanisms and computations underlying stress effects on learning and memory. <i>Current Opinion in Neurobiology</i> , 2011, 21, 502-508.	4.2	59
82	Towards an Evolutionary Theory of Stress Responses. <i>Trends in Ecology and Evolution</i> , 2021, 36, 39-48.	8.7	58
83	Corticosterone facilitates long-term memory formation via enhanced glycoprotein synthesis. <i>Neuroscience</i> , 1995, 69, 1087-1093.	2.3	57
84	The antidepressant agomelatine blocks the adverse effects of stress on memory and enables spatial learning to rapidly increase neural cell adhesion molecule (NCAM) expression in the hippocampus of rats. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 329.	2.1	57
85	Differential impact of polysialyltransferase ST8Siall and ST8SialIV knockout on social interaction and aggression. <i>Genes, Brain and Behavior</i> , 2010, 9, 958-967.	2.2	56
86	Different Emotional Disturbances in Two Experimental Models of Temporal Lobe Epilepsy in Rats. <i>PLoS ONE</i> , 2012, 7, e38959.	2.5	55
87	Mitofusin-2 in the Nucleus Accumbens Regulates Anxiety and Depression-like Behaviors Through Mitochondrial and Neuronal Actions. <i>Biological Psychiatry</i> , 2021, 89, 1033-1044.	1.3	55
88	Role of the Amygdala in Antidepressant Effects on Hippocampal Cell Proliferation and Survival and on Depression-like Behavior in the Rat. <i>PLoS ONE</i> , 2010, 5, e8618.	2.5	55
89	Nitric Oxide Synthesis Inhibitors Prevent Rapid Behavioral Effects of Corticosterone in Rats. <i>Neuroendocrinology</i> , 1996, 63, 446-453.	2.5	52
90	Increased corticosterone in peripubertal rats leads to long-lasting alterations in social exploration and aggression. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 26.	2.0	52

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91	A role for glucocorticoids in the long-term establishment of a social hierarchy. Psychoneuroendocrinology, 2010, 35, 1543-1552.	2.7	51
92	Long-Term Behavioral Programming Induced by Peripuberty Stress in Rats Is Accompanied by GABAergic-Related Alterations in the Amygdala. PLoS ONE, 2014, 9, e94666.	2.5	51
93	Causal evidence for the involvement of the neural cell adhesion molecule, NCAM, in chronic stress-induced cognitive impairments. Hippocampus, 2011, 21, 56-71.	1.9	49
94	Medium chain triglyceride diet reduces anxiety-like behaviors and enhances social competitiveness in rats. Neuropharmacology, 2018, 138, 245-256.	4.1	49
95	Neuroplastin-5 binds to and signals through the fibroblast growth factor receptor. FASEB Journal, 2010, 24, 1139-1150.	0.5	48
96	Lack of cyclin D2 impairing adult brain neurogenesis alters hippocampal-dependent behavioral tasks without reducing learning ability. Behavioural Brain Research, 2012, 227, 159-166.	2.2	48
97	The Programming of the Social Brain by Stress During Childhood and Adolescence: From Rodents to Humans. Current Topics in Behavioral Neurosciences, 2015, 30, 411-429.	1.7	48
98	Structural and functional alterations in the prefrontal cortex after post-weaning social isolation: relationship with species-typical and deviant aggression. Brain Structure and Function, 2017, 222, 1861-1875.	2.3	47
99	Hippocampal Neuroligin-2 Overexpression Leads to Reduced Aggression and Inhibited Novelty Reactivity in Rats. PLoS ONE, 2013, 8, e56871.	2.5	46
100	Acute stress alters individual risk taking in a time-dependent manner and leads to anti-social risk. European Journal of Neuroscience, 2017, 45, 877-885.	2.6	46
101	Metabolic signature in nucleus accumbens for anti-depressant-like effects of acetyl-L-carnitine. ELife, 2020, 9, .	6.0	45
102	A thalamo-amygdalar circuit underlying the extinction of remote fear memories. Nature Neuroscience, 2021, 24, 964-974.	14.8	44
103	Unilateral hippocampal lesions prevent recall of a passive avoidance task in day-old chicks. Neuroscience Letters, 1992, 141, 255-258.	2.1	43
104	Mid-life stress and cognitive deficits during early aging in rats: individual differences and hippocampal correlates. Neurobiology of Aging, 2006, 27, 128-140.	3.1	43
105	Facilitation of AMPA Receptor Synaptic Delivery as a Molecular Mechanism for Cognitive Enhancement. PLoS Biology, 2012, 10, e1001262.	5.6	43
106	Long-term programming of enhanced aggression by peripuberty stress in female rats. Psychoneuroendocrinology, 2013, 38, 2758-2769.	2.7	43
107	Mitochondrial gene signature in the prefrontal cortex for differential susceptibility to chronic stress. Scientific Reports, 2020, 10, 18308.	3.3	43
108	Stress-Induced Depression: Is Social Rank a Predictive Risk Factor?. BioEssays, 2018, 40, e1800012.	2.5	42

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109	CRHR1 links peripuberty stress with deficits in social and stress-coping behaviors. <i>Journal of Psychiatric Research</i> , 2014, 53, 1-7.	3.1	41
110	Neurobiological and Endocrine Correlates of Individual Differences in Spatial Learning Ability. <i>Learning and Memory</i> , 2004, 11, 244-252.	1.3	40
111	Neuroplastinâ€65 and a mimetic peptide derived from its homophilic binding site modulate neuritogenesis and neuronal plasticity. <i>Journal of Neurochemistry</i> , 2011, 117, 984-994.	3.9	40
112	Naloxone decreases ethanol consumption within a free choice paradigm in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1988, 29, 39-43.	2.9	39
113	Water maze learning and forebrain mRNA expression of the neural cell adhesion molecule L1. <i>Journal of Neuroscience Research</i> , 2004, 75, 172-181.	2.9	39
114	Amygdala upregulation of NCAM polysialylation induced by auditory fear conditioning is not required for memory formation, but plays a role in fear extinction. <i>Neurobiology of Learning and Memory</i> , 2007, 87, 573-582.	1.9	37
115	Age-related cognitive impairments in mice with a conditional ablation of the neural cell adhesion molecule. <i>Learning and Memory</i> , 2013, 20, 183-193.	1.3	37
116	Constitutive differences in glucocorticoid responsiveness to stress are related to variation in aggression and anxiety-related behaviors. <i>Psychoneuroendocrinology</i> , 2017, 84, 1-10.	2.7	36
117	Peripubertal stress-induced heightened aggression: modulation of the glucocorticoid receptor in the central amygdala and normalization by mifepristone treatment. <i>Neuropsychopharmacology</i> , 2019, 44, 674-682.	5.4	36
118	The effects of stress during early postnatal periods on behavior and hippocampal neuroplasticity markers in adult male mice. <i>Neuroscience</i> , 2015, 311, 508-518.	2.3	35
119	Title: â€œLabels Matter: Is it stress or is it Trauma?â€ Translational Psychiatry, 2021, 11, 385.	4.8	35
120	Involvement of kappa type opioids on ethanol drinking. <i>Life Sciences</i> , 1988, 42, 1067-1075.	4.3	34
121	Not all anxious individuals get lost: Trait anxiety and mental rotation ability interact to explain performance in map-based route learning in men. <i>Neurobiology of Learning and Memory</i> , 2016, 132, 1-8.	1.9	34
122	A generalised framework for detailed classification of swimming paths inside the Morris Water Maze. <i>Scientific Reports</i> , 2018, 8, 15089.	3.3	34
123	Different responsiveness of spleen lymphocytes from two lines of psychogenetically selected rats (Roman high and low avoidance). <i>Journal of Neuroimmunology</i> , 1991, 31, 27-33.	2.3	33
124	Effects of paternal and peripubertal stress on aggression, anxiety, and metabolic alterations in the lateral septum. <i>European Neuropsychopharmacology</i> , 2016, 26, 357-367.	0.7	33
125	The link between aberrant hypothalamicâ€“pituitaryâ€“adrenal axis activity during development and the emergence of aggressionâ€“Animal studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 91, 138-152.	6.1	32
126	Chronic corticosterone aggravates behavioral and neuronal symptomatology in a mouse model of alpha-synuclein pathology. <i>Neurobiology of Aging</i> , 2019, 83, 11-20.	3.1	32

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127	Nucleus accumbens neurochemistry in human anxiety: A 7 T 1H-MRS study. <i>European Neuropsychopharmacology</i> , 2019, 29, 365-375.	0.7	32
128	Therapeutic potential of glutathione-enhancers in stress-related psychopathologies. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 114, 134-155.	6.1	32
129	Chronic Restraint Stress Induces an Isoform-Specific Regulation on the Neural Cell Adhesion Molecule in the Hippocampus. <i>Neural Plasticity</i> , 2002, 9, 147-159.	2.2	31
130	Modulation of contextual fear conditioning by chronic stress in rats is related to individual differences in behavioral reactivity to novelty. <i>Brain Research</i> , 2003, 970, 242-245.	2.2	31
131	Fear conditioning enhances spontaneous AMPA receptor-mediated synaptic transmission in mouse hippocampal CA1 area. <i>European Journal of Neuroscience</i> , 2009, 30, 1559-1564.	2.6	31
132	Neurexin-2 Expression in the Prefrontal Cortex is Involved in Attention Deficits Induced by Peripubertal Stress. <i>Neuropsychopharmacology</i> , 2016, 41, 751-761.	5.4	31
133	The genetics of social hierarchies. <i>Current Opinion in Behavioral Sciences</i> , 2015, 2, 52-57.	3.9	29
134	Interactions of corticosterone and embryonic light deprivation on memory retention in day-old chicks. <i>Developmental Brain Research</i> , 1997, 101, 269-272.	1.7	27
135	Vulnerability of conditional NCAM-deficient mice to develop stress-induced behavioral alterations. <i>Stress</i> , 2012, 15, 195-206.	1.8	27
136	Role of NCAM in Emotion and Learning. <i>Advances in Experimental Medicine and Biology</i> , 2010, 663, 271-296.	1.6	27
137	Mutually Antagonistic Effects of Corticosterone and Prolactin on Rat Lymphocyte Proliferation. <i>Neuroendocrinology</i> , 1992, 56, 574-581.	2.5	26
138	Visual input and lateralization of brain function in learning in the chick. <i>Neuroscience</i> , 1993, 52, 393-401.	2.3	26
139	Olfactory learning-related NCAM expression is state, time, and location specific and is correlated with individual learning capabilities. <i>Hippocampus</i> , 2005, 15, 316-325.	1.9	26
140	The role of NCAM in auditory fear conditioning and its modulation by stress: a focus on the amygdala. <i>Genes, Brain and Behavior</i> , 2010, 9, 353-364.	2.2	26
141	Learning improvement after PI3K activation correlates with de novo formation of functional small spines. <i>Frontiers in Molecular Neuroscience</i> , 2014, 6, 54.	2.9	26
142	Peripubertal stress increases play fighting at adolescence and modulates nucleus accumbens CB1 receptor expression and mitochondrial function in the amygdala. <i>Translational Psychiatry</i> , 2018, 8, 156.	4.8	26
143	Differences in corticosterone level due to inter-food interval length: Implications for schedule-induced polydipsia. <i>Hormones and Behavior</i> , 2006, 49, 166-172.	2.1	25
144	Exposure to retrieval cues improves retention performance and induces changes in ACTH and corticosterone release. <i>Psychoneuroendocrinology</i> , 2004, 29, 529-556.	2.7	24

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145	Mice with ablated adult brain neurogenesis are not impaired in antidepressant response to chronic fluoxetine. <i>Journal of Psychiatric Research</i> , 2014, 56, 106-111.	3.1	24
146	Long-term programming of psychopathology-like behaviors in male rats by peripubertal stress depends on individual's glucocorticoid responsiveness to stress. <i>Stress</i> , 2018, 21, 433-442.	1.8	24
147	Stress Impacts the Regulation of Neuropeptides in the Rat Hippocampus and Prefrontal Cortex. <i>Proteomics</i> , 2018, 18, e1700408.	2.2	24
148	The corticosteroid synthesis inhibitors metyrapone and aminoglutethimide impair long-term memory for a passive avoidance task in day-old chicks. <i>Brain Research</i> , 1997, 769, 357-361.	2.2	23
149	Involvement of CRFR ₁ in the Basolateral Amygdala in the Immediate Fear Extinction Deficit. <i>ENeuro</i> , 2016, 3, ENEURO.0084-16.2016.	1.9	23
150	Stress during puberty boosts metabolic activation associated with fear-extinction learning in hippocampus, basal amygdala and cingulate cortex. <i>Neurobiology of Learning and Memory</i> , 2012, 98, 93-101.	1.9	22
151	Social deficits induced by peripubertal stress in rats are reversed by resveratrol. <i>Journal of Psychiatric Research</i> , 2014, 57, 157-164.	3.1	22
152	Behavioral, neuroendocrine, and immunological outcomes of escapable or inescapable shocks. <i>Physiology and Behavior</i> , 1992, 51, 651-656.	2.1	21
153	A Peptide Mimetic Targeting Trans-Homophilic NCAM Binding Sites Promotes Spatial Learning and Neural Plasticity in the Hippocampus. <i>PLoS ONE</i> , 2011, 6, e23433.	2.5	21
154	The glucocorticoid receptor in the nucleus accumbens plays a crucial role in social rank attainment in rodents. <i>Psychoneuroendocrinology</i> , 2020, 112, 104538.	2.7	21
155	Stress-induced depressive-like behavior in male rats is associated with microglial activation and inflammation dysregulation in the hippocampus in adulthood. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 397-408.	4.1	21
156	Paradoxical neuronal hyperexcitability in a mouse model of mitochondrial pyruvate import deficiency. <i>ELife</i> , 2022, 11, .	6.0	21
157	Protein synthesis- and fucosylation-dependent mechanisms in corticosterone facilitation of long-term memory in the chick. <i>Behavioral Neuroscience</i> , 1997, 111, 1098-1104.	1.2	20
158	eNAMPT actions through nucleus accumbens NAD ⁺ /SIRT1 link increased adiposity with sociability deficits programmed by peripuberty stress. <i>Science Advances</i> , 2022, 8, eabj9109.	10.3	20
159	Effects of P2, a peptide derived from a homophilic binding site in the neural cell adhesion molecule on learning and memory in rats. <i>Neuroscience</i> , 2007, 149, 931-942.	2.3	19
160	Neuropharmacology of the mesolimbic system and associated circuits on social hierarchies. <i>Neuropharmacology</i> , 2019, 159, 107498.	4.1	19
161	Differential Susceptibility to the Impact of the COVID-19 Pandemic on Working Memory, Empathy, and Perceived Stress: The Role of Cortisol and Resilience. <i>Brain Sciences</i> , 2021, 11, 348.	2.3	19
162	Effects of HPA hormones on adapted lymphocyte responsiveness to repeated stress. <i>Brain Research Bulletin</i> , 1992, 28, 581-585.	3.0	18

#	ARTICLE	IF	CITATIONS
163	Effects of NMDA and AMPA Receptor Antagonists on Corticosterone Facilitation of Long-term Memory in the Chick. <i>European Journal of Neuroscience</i> , 1997, 9, 1923-1928.	2.6	18
164	A Key Role for Nectin-1 in the Ventral Hippocampus in Contextual Fear Memory. <i>PLoS ONE</i> , 2013, 8, e56897.	2.5	18
165	Female vulnerability to the development of depression-like behavior in a rat model of intimate partner violence is related to anxious temperament, coping responses, and amygdala vasopressin receptor 1a expression. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 35.	2.0	18
166	Alterations in brain microstructure in rats that develop abnormal aggression following peripubertal stress. <i>European Journal of Neuroscience</i> , 2018, 48, 1818-1832.	2.6	18
167	Amygdala GluN2B-NMDAR dysfunction is critical in abnormal aggression of neurodevelopmental origin induced by <i>St8sia2</i> deficiency. <i>Molecular Psychiatry</i> , 2020, 25, 2144-2161.	7.9	18
168	A new rat model of creatine transporter deficiency reveals behavioral disorder and altered brain metabolism. <i>Scientific Reports</i> , 2021, 11, 1636.	3.3	18
169	Stress alleviates reduced expression of cell adhesion molecules (NCAM, L1), and deficits in learning and corticosterone regulation of apolipoprotein E knockout mice. <i>European Journal of Neuroscience</i> , 2001, 14, 1505-1514.	2.6	17
170	Trait anxiety on effort allocation to monetary incentives: a behavioral and high-density EEG study. <i>Translational Psychiatry</i> , 2019, 9, 174.	4.8	17
171	Locomotion in virtual environments predicts cardiovascular responsiveness to subsequent stressful challenges. <i>Nature Communications</i> , 2020, 11, 5904.	12.8	17
172	Long term effects of peripubertal stress on excitatory and inhibitory circuits in the prefrontal cortex of male and female mice. <i>Neurobiology of Stress</i> , 2021, 14, 100322.	4.0	17
173	Opposite effects of stress on effortful motivation in high and low anxiety are mediated by CRHR1 in the VTA. <i>Science Advances</i> , 2022, 8, eabj9019.	10.3	17
174	The effects of extrinsic stress on somatic markers and behavior are dependent on animal housing conditions. <i>Physiology and Behavior</i> , 2015, 151, 238-245.	2.1	16
175	Glutamine-to-glutamate ratio in the nucleus accumbens predicts effort-based motivated performance in humans. <i>Neuropsychopharmacology</i> , 2020, 45, 2048-2057.	5.4	16
176	Behavioral factors in stress-induced immunomodulation. <i>Behavioural Brain Research</i> , 1992, 48, 95-98.	2.2	15
177	Increased brain glucocorticoid actions following social defeat in rats facilitates the long-term establishment of social subordination. <i>Physiology and Behavior</i> , 2018, 186, 31-36.	2.1	15
178	Pituitary dysmaturation affects psychopathology and neurodevelopment in 22q11.2 Deletion Syndrome. <i>Psychoneuroendocrinology</i> , 2020, 113, 104540.	2.7	15
179	Piracetam facilitates long-term memory for a passive avoidance task in chicks through a mechanism that requires a brain corticosteroid action. <i>European Journal of Neuroscience</i> , 1998, 10, 2238-2243.	2.6	14
180	GABAA receptors in the ventral tegmental area control the outcome of a social competition in rats. <i>Neuropharmacology</i> , 2018, 138, 275-281.	4.1	14

#	ARTICLE	IF	CITATIONS
181	Programming effects of peripubertal stress on spatial learning. <i>Neurobiology of Stress</i> , 2020, 13, 100282.	4.0	14
182	The interplay of conditional NCAM-knockout and chronic unpredictable stress leads to increased aggression in mice. <i>Stress</i> , 2013, 16, 647-654.	1.8	13
183	Latency to Reward Predicts Social Dominance in Rats: A Causal Role for the Dopaminergic Mesolimbic System. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 69.	2.0	13
184	Hypothalamic pregnenolone mediates recognition memory in the context of metabolic disorders. <i>Cell Metabolism</i> , 2022, 34, 269-284.e9.	16.2	13
185	D-Ala2-Met5-enkephalinamide impairs the acquisition of ethanol preference without influencing sucrose preference. <i>Physiology and Behavior</i> , 1990, 48, 435-439.	2.1	12
186	Regional and temporal modulation of brain glycoprotein synthesis by corticosterone. <i>NeuroReport</i> , 1996, 7, 2819-2822.	1.2	12
187	Constitutive differences in glucocorticoid responsiveness are related to divergent spatial information processing abilities. <i>Stress</i> , 2020, 23, 37-49.	1.8	12
188	Dominant men are faster in decision-making situations and exhibit a distinct neural signal for promptness. <i>Cerebral Cortex</i> , 2018, 28, 3740-3751.	2.9	11
189	Î²-Endorphin administration interferes with the acquisition and initial maintenance of ethanol preference in the rat. <i>Physiology and Behavior</i> , 1989, 45, 87-92.	2.1	10
190	Enkephalins interfere with early phases of voluntary ethanol drinking. <i>Peptides</i> , 1990, 11, 697-702.	2.4	10
191	Activity of the hypothalamic-pituitary-adrenal axis in mice selected for left- or right-handedness. <i>Brain Research</i> , 1992, 589, 302-306.	2.2	10
192	Protein synthesis- and fucosylation-dependent mechanisms in corticosterone facilitation of long-term memory in the chick.. <i>Behavioral Neuroscience</i> , 1997, 111, 1098-1104.	1.2	10
193	Signatures of life course socioeconomic conditions in brain anatomy. <i>Human Brain Mapping</i> , 2022, 43, 2582-2606.	3.6	10
194	Dennexin peptides modeled after the homophilic binding sites of the neural cell adhesion molecule (NCAM) promote neuronal survival, modify cell adhesion and impair spatial learning. <i>European Journal of Cell Biology</i> , 2010, 89, 817-827.	3.6	9
195	CAFS: Cost-Aware Features Selection Method for Multimodal Stress Monitoring on Wearable Devices. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1072-1084.	4.2	9
196	Fibroblast growth factor decreases locomotor activity in rats. <i>Neuroscience</i> , 1996, 75, 805-813.	2.3	8
197	Low vagal tone in two rat models of psychopathology involving high or low corticosterone stress responses. <i>Psychoneuroendocrinology</i> , 2019, 101, 101-110.	2.7	8
198	Doppelganger-based training: Imitating our virtual self to accelerate interpersonal skills learning. <i>PLoS ONE</i> , 2021, 16, e0245960.	2.5	8

#	ARTICLE	IF	CITATIONS
199	Pronounced α -Synuclein Pathology in a Seeding-Based Mouse Model Is Not Sufficient to Induce Mitochondrial Respiration Deficits in the Striatum and Amygdala. <i>ENeuro</i> , 2020, 7, ENEURO.0110-20.2020.	1.9	8
200	Administration of leu-enkephalin impairs the acquisition of preference for ethanol. <i>Psychopharmacology</i> , 1990, 100, 350-354.	3.1	7
201	Effects of the kappa opioid receptor antagonist MR-2266-BS on the acquisition of ethanol preference. <i>Life Sciences</i> , 1990, 46, 1119-1129.	4.3	7
202	Chronic Delivery of Antibody Fragments Using Immunoisolated Cell Implants as a Passive Vaccination Tool. <i>PLoS ONE</i> , 2011, 6, e18268.	2.5	7
203	LPA1 receptor and chronic stress: Effects on behaviour and the genes involved in the hippocampal excitatory/inhibitory balance. <i>Neuropharmacology</i> , 2020, 164, 107896.	4.1	7
204	Creatine transporter-deficient rat model shows motor dysfunction, cerebellar alterations, and muscle creatine deficiency without muscle atrophy. <i>Journal of Inherited Metabolic Disease</i> , 2022, 45, 278-291.	3.6	7
205	Dynamics of olfactory learning-induced up-regulation of L1 in the piriform cortex and hippocampus. <i>European Journal of Neuroscience</i> , 2005, 21, 581-586.	2.6	6
206	Understanding the neurobiological basis of behavior: a good way to go. <i>Frontiers in Neuroscience</i> , 2008, 2, 129-130.	2.8	6
207	Evidence for Nitric Oxide-Mediated Rapid Locomotor Effects of Corticosterone in a Novel Environment. <i>Annals of the New York Academy of Sciences</i> , 2006, 746, 398-399.	3.8	5
208	Emergence in extinction of enhanced and persistent responding to ambiguous aversive cues is associated with high MAOA activity in the prelimbic cortex. <i>Neurobiology of Stress</i> , 2016, 5, 1-7.	4.0	4
209	IMVEST, an immersive multimodal virtual environment stress test for humans that adjusts challenge to individual's performance. <i>Neurobiology of Stress</i> , 2021, 15, 100382.	4.0	4
210	Early life adoption shows rearing environment supersedes transgenerational effects of paternal stress on aggressive temperament in the offspring. <i>Translational Psychiatry</i> , 2021, 11, 533.	4.8	4
211	Role of NCAM in Emotion and Learning. <i>Neurochemical Research</i> , 2010, , 271.	3.3	3
212	Adding complexity to emotion-cognition interactions: the stressed individual. <i>Frontiers in Neuroscience</i> , 2008, 2, 134-135.	2.8	3
213	Pathogen-Free Husbandry Conditions Alleviate Behavioral Deficits and Neurodegeneration in AD10 Anti-NGF Mice. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 951-964.	2.6	3
214	Effects of Stress Throughout the Lifespan on the Brain and Behavior. , 2017, , 443-463.		3
215	Astrocytic release of ATP through type 2 inositol 1,4,5-trisphosphate receptor calcium signaling and social dominance behavior in mice. <i>European Journal of Neuroscience</i> , 2021, 53, 2973-2985.	2.6	3
216	Exploring associations between diurnal cortisol, stress, coping and psychopathology in adolescents and young adults with 22q11.2 deletion syndrome. <i>Comprehensive Psychoneuroendocrinology</i> , 2022, 9, 100103.	1.7	3

#	ARTICLE	IF	CITATIONS
217	Acute stress affects peripersonal space representation in cortisol stress responders. Psychoneuroendocrinology, 2022, 142, 105790.	2.7	3
218	S.16.02 Stress effects on mood and sociability – cell adhesion molecules as molecular targets. European Neuropsychopharmacology, 2011, 21, S211.	0.7	2
219	Healing anxiety disorders with glucocorticoids. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6343-6344.	7.1	2
220	Trait anxiety and post-learning stress do not affect perceptual learning. Neurobiology of Learning and Memory, 2012, 98, 246-253.	1.9	2
221	Mitochondrial function and stress resilience. , 2020, , 119-132.		2
222	COVID-19, stress, and inequities in (neuro)science. Neuron, 2021, 109, 3358-3360.	8.1	2
223	A role for NCAM in depression and antidepressant actions? (Commentary on Aonurmâ€Helm <i>etÂal.</i>). European Journal of Neuroscience, 2008, 28, 1617-1617.	2.6	1
224	Editorial overview: Stress and behavior. Current Opinion in Behavioral Sciences, 2017, 14, iv-vii.	3.9	1
225	What brains do we study and why do we study them?. European Journal of Neuroscience, 2020, 52, 4602-4603.	2.6	1
226	Extending the impact of stress on hippocampal neurogenesis (Commentary on P. Van Bokhoven et al.). European Journal of Neuroscience, 2011, 33, 1832-1832.	2.6	0
227	Breaking the Dynamics of Emotions and Fear in Conflict and Reconstruction. Peace Economics, Peace Science and Public Policy, 2014, 20, 479-522.	1.1	0
228	S.13.01 Brain energy metabolism regulates vulnerability to stress. European Neuropsychopharmacology, 2019, 29, S17.	0.7	0
229	Biological Signatures of Brain Aging and Accelerated Aging by Early Life Threat. Biological Psychiatry, 2019, 85, 187-188.	1.3	0
230	A report on the FENS 2020 virtual FORUM. European Journal of Neuroscience, 2021, 53, 2446-2449.	2.6	0
231	Commentary: The Risky Closed Economy: A Holistic, Longitudinal Approach to Studying Fear and Anxiety in Rodents. Frontiers in Behavioral Neuroscience, 2021, 15, 664941.	2.0	0
232	Synaptic Mechanisms and Cognitive Computations Underlying Stress Effects on Cognitive Function. , 2014, , 203-222.		0
233	Social dominance orientation influences the perception of facial expressions. Journal of Vision, 2017, 17, 1007.	0.3	0
234	Remembering Mike Stewart. Neuropharmacology, 2022, 207, 108962.	4.1	0

#	ARTICLE	IF	CITATIONS
235	P.0633 Epigenome-wide DNA methylation in externalizing behaviours: a review and meta-analysis. European Neuropsychopharmacology, 2021, 53, S465-S466.	0.7	0
236	Pre-pandemic Psychobiological Features Predict Impact of COVID-19 Confinement on Loneliness. Frontiers in Psychology, 2022, 13, 874232.	2.1	0
237	EJN stress, brain and behaviour special issue. European Journal of Neuroscience, 2022, 55, 2053-2057.	2.6	0