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List of Publications by Year
in descending order

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88 papers	4,384 citations	147566 31 h-index	110170 64 g-index
101 all docs	101 docs citations	101 times ranked	5672 citing authors

#	Article	IF	Citations
1	Stress revisited: A critical evaluation of the stress concept. Neuroscience and Biobehavioral Reviews, 2011, 35, 1291-1301.	2.9	1,124
2	The role of 5-HT1A receptors in learning and memory. Behavioural Brain Research, 2008, 195, 54-77.	1.2	271
3	Retrieval-specific endocytosis of GluA2-AMPARs underlies adaptive reconsolidation of contextual fear. Nature Neuroscience, 2011, 14, 1302-1308.	7.1	178
4	Time-dependent involvement of the dorsal hippocampus in trace fear conditioning in mice. Hippocampus, 2005, 15, 418-426.	0.9	162
5	Reproducibility and replicability of rodent phenotyping in preclinical studies. Neuroscience and Biobehavioral Reviews, 2018, 87, 218-232.	2.9	153
6	Strain and substrain differences in context- and tone-dependent fear conditioning of inbred mice. Behavioural Brain Research, 1999, 104, 1-12.	1.2	152
7	Production of the Fos protein after contextual fear conditioning of C57BL/6N mice. Brain Research, 1998, 784, 37-47.	1.1	133
8	The role of the serotonin receptor subtypes 5-HT1A and 5-HT7 and its interaction in emotional learning and memory. Frontiers in Pharmacology, 2015, 6, 162.	1.6	110
9	Involvement of the 5-HT1AReceptors in Classical Fear Conditioning in C57BL/6J Mice. Journal of Neuroscience, 2000, 20, 8515-8527.	1.7	95
10	Effect of tone-dependent fear conditioning on heart rate and behavior of C57BL/6N mice.. Behavioral Neuroscience, 1997, 111, 703-711.	0.6	91
11	5-Hydroxytryptamine 1A Receptor Blockade Facilitates Aversive Learning in Mice: Interactions with Cholinergic and Glutamatergic Mechanisms. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 581-591.	1.3	91
12	Impairment of conditioned contextual fear of C57BL/6J mice by intracerebral injections of the NMDA receptor antagonist APV. Behavioural Brain Research, 2000, 116, 157-168.	1.2	87
13	Self-affine fractal variability of human heartbeat interval dynamics in health and disease. European Journal of Applied Physiology, 2003, 90, 305-316.	1.2	87
14	Protein instability, haploinsufficiency, and cortical hyper-excitability underlie STXBP1 encephalopathy. Brain, 2018, 141, 1350-1374.	3.7	87
15	Differential involvement of the dorsal hippocampus in passive avoidance in C57bl/6J and DBA/2J mice. Hippocampus, 2008, 18, 11-19.	0.9	78
16	Diminished vagal activity and blunted diurnal variation of heart rate dynamics in posttraumatic stress disorder. Stress, 2013, 16, 300-310.	0.8	68
17	Actions of CRF and its Analogs. Current Medicinal Chemistry, 1999, 6, 1035-1053.	1.2	65
18	Pharmacology and Biology of Corticotropin-Releasing Factor (CRF) Receptors. Receptors and Channels, 2002, 8, 163-177.	1.1	58

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19	Activity and impulsive action are controlled by different genetic and environmental factors. Genes, Brain and Behavior, 2009, 8, 817-828.	1.1	54
20	Post-training injections of catecholaminergic drugs do not modulate fear conditioning in rats and mice. Neuroscience Letters, 2001, 303, 123-126.	1.0	52
21	Differential impairment of auditory and contextual fear conditioning by protein synthesis inhibition in C57BL/6N mice.. Behavioral Neuroscience, 1999, 113, 496-506.	0.6	51
22	Highâ€throughput phenotyping of avoidance learning inÂmice discriminates different genotypes andÂidentifies a novel gene. Genes, Brain and Behavior, 2012, 11, 772-784.	1.1	48
23	5-HT1A and 5-HT7 receptor crosstalk in the regulation of emotional memory: Implications for effects of selective serotonin reuptake inhibitors. Neuropharmacology, 2012, 63, 1150-1160.	2.0	48
24	Genetic Mapping in Mice Reveals the Involvement of Pcdh9 in Long-Term Social and Object Recognition and Sensorimotor Development. Biological Psychiatry, 2015, 78, 485-495.	0.7	47
25	Behavioral and autonomic dynamics during contextual fear conditioning in mice. Autonomic Neuroscience: Basic and Clinical, 2004, 115, 15-27.	1.4	41
26	Assessing aversive emotional states through the heart in mice: Implications for cardiovascular dysregulation in affective disorders. Neuroscience and Biobehavioral Reviews, 2009, 33, 181-190.	2.9	39
27	Vagal effects of endocrine HPA axis challenges on resting autonomic activity assessed by heart rate variability measures in healthy humans. Psychoneuroendocrinology, 2019, 102, 196-203.	1.3	38
28	Central NPY receptor-mediated alteration of heart rate dynamics in mice during expression of fear conditioned to an auditory cue. Regulatory Peptides, 2004, 120, 205-214.	1.9	36
29	Finding the right motivation: Genotype-dependent differences in effective reinforcements for spatial learning. Behavioural Brain Research, 2012, 226, 397-403.	1.2	35
30	Display of individuality in avoidance behavior and risk assessment of inbred mice. Frontiers in Behavioral Neuroscience, 2014, 8, 314.	1.0	35
31	Dissociation of Temporal Dynamics of Heart Rate and Blood Pressure Responses Elicited by Conditioned Fear but Not Acoustic Startle.. Behavioral Neuroscience, 2005, 119, 55-65.	0.6	34
32	Corticotropin-Releasing Factor Receptor 1 and Central Heart Rate Regulation in Mice during Expression of Conditioned Fear. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 905-916.	1.3	34
33	A mouse model of high trait anxiety shows reduced heart rate variability that can be reversed by anxiolytic drug treatment. International Journal of Neuropsychopharmacology, 2011, 14, 1341-1355.	1.0	33
34	Presynaptic inhibition upon <scp>CB</scp> 1 or <scp>mG</scp> lu2/3 receptor activation requires <scp>ERK</scp> / <scp>MAPK</scp> phosphorylation of Munc18â€1. EMBO Journal, 2016, 35, 1236-1250.	3.5	33
35	Seizures and disturbed brain potassium dynamics in the leukodystrophy megalencephalic leukoencephalopathy with subcortical cysts. Annals of Neurology, 2018, 83, 636-649.	2.8	32
36	Blockade of 5-HT1B receptors facilitates contextual aversive learning in mice by disinhibition of cholinergic and glutamatergic neurotransmission. Neuropharmacology, 2008, 54, 1041-1050.	2.0	31

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37	Activation of the brain 5-HT2C receptors causes hypolocomotion without anxiogenic-like cardiovascular adjustments in mice. Neuropharmacology, 2007, 52, 949-957.	2.0	30
38	The importance of song and vibratory signals in the behaviour of the bushcricketEphippiger ephippiger Fiebig (Orthoptera, Tettigoniidae): taxis by females. Oecologia, 1989, 80, 142-144.	0.9	29
39	GABAA receptor activation in the CA1 area of the dorsal hippocampus impairs consolidation of conditioned contextual fear in C57BL/6J mice. Behavioural Brain Research, 2013, 238, 160-169.	1.2	28
40	Heart rate dynamics and behavioral responses during acute emotional challenge in corticotropin-releasing factor receptor 1-deficient and corticotropin-releasing factor-overexpressing mice. Neuroscience, 2005, 134, 1113-1122.	1.1	27
41	Munc18-1 haploinsufficiency results in enhanced anxiety-like behavior as determined by heart rate responses in mice. Behavioural Brain Research, 2014, 260, 44-52.	1.2	27
42	A Multiscale Entropy-Based Tool for Scoring Severity of Systemic Inflammation*. Critical Care Medicine, 2014, 42, e560-e569.	0.4	26
43	Fractal dynamics in circadian cardiac time series of corticotropin-releasing factor receptor subtype-2 deficient mice. Journal of Mathematical Biology, 2003, 47, 169-197.	0.8	25
44	Cardiac dynamics during daily torpor in the Djungarian hamster (Phodopus sungorus). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R639-R650.	0.9	24
45	Bidirectional modulation of classical fear conditioning in mice by 5-HT1A receptor ligands with contrasting intrinsic activities. Neuropharmacology, 2009, 57, 567-576.	2.0	24
46	Differential impairment of auditory and contextual fear conditioning by protein synthesis inhibition in C57BL/6N mice. Behavioral Neuroscience, 1999, 113, 496-506.	0.6	23
47	Corticotropin-Releasing Factor Binding Protein - A Ligand Trap?. Mini-Reviews in Medicinal Chemistry, 2005, 5, 953-960.	1.1	21
48	Fractal rigidity by enhanced sympatho-vagal antagonism in heartbeat interval dynamics elicited by central application of corticotropin-releasing factor in mice. Journal of Mathematical Biology, 2006, 52, 830-874.	0.8	19
49	Morphology and physiology of local auditory interneurons in the prothoracic ganglion of the cricketAcheta domesticus. , 1997, 279, 43-53.		18
50	TOOTH IMPACT RATE ALTERATION IN THE SONG OF MALES OFEPHIPPIGER EPHIPPIGERFIEBIG (ORTHOPTERA, TETTIGONIIDAE) AND ITS CONSEQUENCES FOR PHONOTACTIC BEHAVIOUR OF FEMALES. Bioacoustics, 1991, 3, 1-16.	0.7	17
51	Cardiac dynamics in corticotropin-releasing factor receptor subtype-2 deficient mice. Neuropeptides, 2003, 37, 3-16.	0.9	16
52	Distribution and population density of the bushcricket Decticus verrucivorus in a damp-meadow biotope. Oecologia, 1990, 82, 369-373.	0.9	15
53	Stress-mediated heart rate dynamics after deletion of the gene encoding corticotropin-releasing factor receptor 2. European Journal of Neuroscience, 2003, 17, 2231-2235.	1.2	15
54	DISCRIMINATION BY MULTIFRACTAL SPECTRUM ESTIMATION OF HUMAN HEARTBEAT INTERVAL DYNAMICS. Fractals, 2003, 11, 195-204.	1.8	14

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55	Specific differences in sound production and pattern recognition in tettigoniids. Behavioural Processes, 1994, 31, 293-300.	0.5	13
56	Fractal dynamics of heart beat interval fluctuations in corticotropin-releasing factor receptor subtype 2 deficient mice. Integrative Psychological and Behavioral Science, 2002, 37, 311-345.	0.3	13
57	Central 5â€‹scp›HT‹/scp›‹sub›1A‹/sub› receptorâ€‹mediated modulation of heart rate dynamics and its adjustment by conditioned and unconditioned fear in mice. British Journal of Pharmacology, 2013, 170, 859-870.	2.7	13
58	Functional characterization of the PCLO p.Ser4814Ala variant associated with major depressive disorder reveals cellular but not behavioral differences. Neuroscience, 2015, 300, 518-538.	1.1	13
59	The 5-HTTLPR genotype modulates heart rate variability and its adjustment by pharmacological panic challenge in healthy men. Journal of Psychiatric Research, 2014, 50, 51-58.	1.5	12
60	P11 deficiency increases stress reactivity along with HPA axis and autonomic hyperresponsiveness. Molecular Psychiatry, 2021, 26, 3253-3265.	4.1	12
61	Acoustic behaviour of Ephippiger ephippiger fiebig (Orthoptera, Tettigoniidae) within a habitat of Southern France. Behavioural Processes, 1991, 23, 125-135.	0.5	11
62	CRF and CRF Receptors. Results and Problems in Cell Differentiation, 1999, 26, 67-90.	0.2	10
63	Blunted autonomic reactivity to pharmacological panic challenge under long-term escitalopram treatment in healthy men. International Journal of Neuropsychopharmacology, 2015, 18, .	1.0	9
64	Atypical but not typical antipsychotic drugs ameliorate phencyclidine-induced emotional memory impairments in mice. European Neuropsychopharmacology, 2019, 29, 616-628.	0.3	8
65	Chirp rate variability in male song ofEphippigerida taeniata (Orthoptera: Ensifera). Journal of Insect Behavior, 1994, 7, 171-181.	0.4	7
66	Cardiovascular Conditioning: Neural Substrates. , 2010, , 226-235.		7
67	Passive Avoidance. , 2013, , 1-10.		7
68	Inverse autonomic stress reactivity in depressed patients with and without prior history of depression. Journal of Psychiatric Research, 2020, 131, 114-118.	1.5	7
69	Metabotropic glutamate2/3 receptor agonism facilitates autonomic recovery after pharmacological panic challenge in healthy humans. International Clinical Psychopharmacology, 2016, 31, 176-178.	0.9	5
70	Passive Avoidance. , 2015, , 1220-1228.		5
71	Diminished Vagal and/or Increased Sympathetic Activity in Post-Traumatic Stress Disorder. , 2015, , 1-15.		4
72	Editorial: Home Cage-Based Phenotyping in Rodents: Innovation, Standardization, Reproducibility and Translational Improvement. Frontiers in Neuroscience, 0, 16, .	1.4	4

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73	Longitudinal Assessment of Working Memory Performance in the APPswe/PSEN1dE9 Mouse Model of Alzheimerâ€™s Disease Using an Automated Figure-8-Maze. Frontiers in Behavioral Neuroscience, 2021, 15, 655449.	1.0	3
74	Diminished Vagal and/or Increased Sympathetic Activity in Post-Traumatic Stress Disorder. , 2016, , 1277-1295.		3
75	The Auditory-Vibratory Sensory System in Bushcrickets (Tettigoniidae, Ensifera, Orthoptera) II. Signal Production and Acoustic Behavior. , 2003, , 209-232.		2
76	Morphology and physiology of local auditory interneurons in the prothoracic ganglion of the cricket Acheta domesticus. , 1997, 279, 43.		2
77	Passive Avoidance. , 2010, , 960-967.		1
78	INTRAHIPPOCAMPAL APV INJECTIONS IMPAIR CONTEXT- BUT NOT TONE-DEPENDENT FEAR CONDITIONING OF C57BL/6J MICE. Behavioural Pharmacology, 1999, 10, S88.	0.8	0
79	Daily torpor: When heart and brain go cold â€"Nonlinear cardiac dynamics in the seasonal heterothermic Djungarian hamster. Europhysics Letters, 2009, 88, 18002.	0.7	0
80	P.1.10 Stimulation of 5-HT7 receptors facilitates emotional contextual learning. European Neuropsychopharmacology, 2009, 19, S10-S11.	0.3	0
81	Injection of galanin into the dorsal hippocampus impairs emotional memory independent of 5-HT1A receptor activation. Behavioural Brain Research, 2021, 405, 113178.	1.2	0
82	Encoding. , 2010, , 480-480.		0
83	Unconditioned Stimulus. , 2010, , 1354-1354.		0
84	Avoidance. , 2010, , 192-192.		0
85	Aversive Stimuli. , 2010, , 192-192.		0
86	Emotional Learning. , 2010, , 479-479.		0
87	A new algorithm for inâ€band noise removal and HRV analysis in mouse ECG recordings (1169.7). FASEB Journal, 2014, 28, 1169.7.	0.2	0
88	Cardiovascular Conditioning: Neural Substratesâ˜†. , 2017, , .		0