Carsten T Wotjak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3429409/publications.pdf

Version: 2024-02-01

81 papers	7,801 citations	81900 39 h-index	64796 79 g-index
83 all docs	83 docs citations	83 times ranked	8264 citing authors

#	Article	IF	Citations
1	Chronic Pain and the Endocannabinoid System: Smart Lipids â€“ A Novel Therapeutic Option?. Medical Cannabis and Cannabinoids, 2022, 5, 61-75.	3.3	8
2	Augmented anandamide signalling in the substantia nigra pars reticulata mediates panicolytic-like effects in mice confronted by Crotalus durissus terrificus pit vipers. Psychopharmacology, 2022, 239, 2753-2769.	3.1	5
3	Why do mice squeak? Toward a better understanding of defensive vocalization. IScience, 2022, 25, 104657.	4.1	10
4	Crosstalk between the transcriptional regulation of dopamine D2 and cannabinoid CB1 receptors in schizophrenia: Analyses in patients and in perinatal Î”9-tetrahydrocannabinol-exposed rats. Pharmacological Research, 2021, 164, 105357.	7.1	43
5	The modulation of striatonigral and nigrotectal pathways by CB1 signalling in the substantia nigra pars reticulata regulates panic elicited in mice by urutu-cruzeiro lancehead pit vipers. Behavioural Brain Research, 2021, 401, 112996.	2.2	13
6	Exploratory drive, fear, and anxiety are dissociable and independent components in foraging mice. Translational Psychiatry, 2021, 11, 318.	4.8	29
7	Orexin 1 and 2 Receptors in the Prelimbic Cortex Modulate Threat Valuation. Neuroscience, 2021, 468, 158-167.	2.3	2
8	Structural correlates of trauma-induced hyperarousal in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110404.	4.8	2
9	CB1 receptors in corticotropinâ€releasing factor neurons selectively control the acoustic startle response in male mice. Genes, Brain and Behavior, 2021, 20, e12775.	2.2	0
10	Inhalational Anesthetics Do Not Deteriorate Amyloid-Î²-Derived Pathophysiology in Alzheimerâ€™s Disease: Investigations on the Molecular, Neuronal, and Behavioral Level. Journal of Alzheimer's Disease, 2021, 84, 1193-1218.	2.6	1
11	Phytocannabinoids and schizophrenia: Focus on adolescence as a critical window of enhanced vulnerability and opportunity for treatment. Pharmacological Research, 2021, 174, 105938.	7.1	21
12	Myo-Inositol Levels in the Dorsal Hippocampus Serve as Glial Prognostic Marker of Mild Cognitive Impairment in Mice. Frontiers in Aging Neuroscience, 2021, 13, 731603.	3.4	6
13	The stress susceptibility factor FKBP51 controls S-ketamine-evoked release of mBDNF in the prefrontal cortex of mice. Neurobiology of Stress, 2020, 13, 100239.	4.0	18
14	cAMP-dependent regulation of HCN4 controls the tonic entrainment process in sinoatrial node pacemaker cells. Nature Communications, 2020, 11, 5555.	12.8	63
15	Altered dopamine D3 receptor gene expression in MAM model of schizophrenia is reversed by peripubertal cannabidiol treatment. Biochemical Pharmacology, 2020, 177, 114004.	4.4	36
16	Context and trade-offs characterize real-world threat detection systems: A review and comprehensive framework to improve research practice and resolve the translational crisis. Neuroscience and Biobehavioral Reviews, 2020, 115, 25-33.	6.1	19
17	Making translation work: Harmonizing cross-species methodology in the behavioural neuroscience of Pavlovian fear conditioning. Neuroscience and Biobehavioral Reviews, 2019, 107, 329-345.	6.1	58
18	Highâ€resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). Journal of Biophotonics, 2019, 12, e201800368.	2.3	51

#	Article	IF	Citations
19	The Cannabinoid CB1 Antagonist TM38837 With Limited Penetrance to the Brain Shows Reduced Fear-Promoting Effects in Mice. Frontiers in Pharmacology, 2019, 10, 207.	3.5	19
20	Peripubertal cannabidiol treatment rescues behavioral and neurochemical abnormalities in the MAM model of schizophrenia. Neuropharmacology, 2019, 146, 212-221.	4.1	59
21	Sound check, stage design and screen plot â€“ how to increase the comparability of fear conditioning and fear extinction experiments. Psychopharmacology, 2019, 236, 33-48.	3.1	27
22	Mn2+ dynamics in manganese-enhanced MRI (MEMRI): Cav1.2 channel-mediated uptake and preferential accumulation in projection terminals. NeuroImage, 2018, 169, 374-382.	4.2	23
23	Chronic CRH depletion from GABAergic, long-range projection neurons in the extended amygdala reduces dopamine release and increases anxiety. Nature Neuroscience, 2018, 21, 803-807.	14.8	106
24	The Role of m6A/m-RNA Methylation in Stress Response Regulation. Neuron, 2018, 99, 389-403.e9.	8.1	293
25	Stimulation of the Nigrotectal Pathway at the Level of the Superior Colliculus Reduces Threat Recognition and Causes a Shift From Avoidance to Approach Behavior. Frontiers in Neural Circuits, 2018, 12, 36.	2.8	29
26	In Vivo Visualization of Active Polysynaptic Circuits With Longitudinal Manganese-Enhanced MRI (MEMRI). Frontiers in Neural Circuits, 2018, 12, 42.	2.8	11
27	Highway to hell or magic smoke? The dose-dependence of Î”⁹-THC in place conditioning paradigms. Learning and Memory, 2018, 25, 446-454.	1.3	19
28	Cannabinoid Receptor Type 1 in the Brain Regulates the Affective Component of Visceral Pain in Mice. Neuroscience, 2018, 384, 397-405.	2.3	7
29	N-arachidonoyl-serotonin, a dual FAAH and TRPV1 blocker, inhibits the retrieval of contextual fear memory: Role of the cannabinoid CB1 receptor in the dorsal hippocampus. Journal of Psychopharmacology, 2017, 31, 750-756.	4.0	28
30	Extinction of avoidance behavior by safety learning depends on endocannabinoid signaling in the hippocampus. Journal of Psychiatric Research, 2017, 90, 46-59.	3.1	57
31	The endocannabinoid system as a target for novel anxiolytic drugs. Neuroscience and Biobehavioral Reviews, 2017, 76, 56-66.	6.1	182
32	Animal models in psychiatric research: The RDoC system as a new framework for endophenotype-oriented translational neuroscience. Neurobiology of Stress, 2017, 7, 47-56.	4.0	91
33	Enhanced anandamide signaling reduces flight behavior elicited by an approaching robo-beetle. Neuropharmacology, 2017, 126, 233-241.	4.1	27
34	The Endocannabinoid System Differentially Regulates Escape Behavior in Mice. Frontiers in Behavioral Neuroscience, 2017, 11, 201.	2.0	3
35	A simplified microwave-based motion detector for home cage activity monitoring in mice. Journal of Biological Engineering, 2017, 11, 36.	4.7	27
36	Disturbed Processing of Contextual Information in HCN3 Channel Deficient Mice. Frontiers in Molecular Neuroscience, 2017, 10, 436.	2.9	15

#	Article	IF	Citations
37	Remote and reversible inhibition of neurons and circuits by small molecule induced potassium channel stabilization. Scientific Reports, 2016, 6, 19293.	3.3	9
38	Fluoxetine Treatment Rescues Energy Metabolism Pathway Alterations in a Posttraumatic Stress Disorder Mouse Model. Molecular Neuropsychiatry, 2016, 2, 46-59.	2.9	18
39	Fluoxetine treatment prevents the inflammatory response in a mouse model of posttraumatic stress disorder. Journal of Psychiatric Research, 2016, 76, 74-83.	3.1	33
40	Glycogen synthase kinase-3Î² inhibition in the medial prefrontal cortex mediates paradoxical amphetamine action in a mouse model of ADHD. Frontiers in Behavioral Neuroscience, 2015, 9, 67.	2.0	10
41	NextGen Brain Microdialysis: Applying Modern Metabolomics Technology to the Analysis of Extracellular Fluid in the Central Nervous System. Molecular Neuropsychiatry, 2015, 1, 60-67.	2.9	16
42	Searching for non-genetic molecular and imaging PTSD risk and resilience markers: Systematic review of literature and design of the German Armed Forces PTSD biomarker study. Psychoneuroendocrinology, 2015, 51, 444-458.	2.7	29
43	Neddylation inhibition impairs spine development, destabilizes synapses and deteriorates cognition. Nature Neuroscience, 2015, 18, 239-251.	14.8	88
44	Corticotropin-Releasing Hormone Drives Anandamide Hydrolysis in the Amygdala to Promote Anxiety. Journal of Neuroscience, 2015, 35, 3879-3892.	3.6	196
45	2-AG promotes the expression of conditioned fear via cannabinoid receptor type 1 on GABAergic neurons. Psychopharmacology, 2015, 232, 2811-2825.	3.1	91
46	Pain-relief learning in flies, rats, and man: basic research and applied perspectives. Learning and Memory, 2014, 21, 232-252.	1.3	113
47	Supraspinal TRPV1 modulates the emotional expression of abdominal pain. Pain, 2014, 155, 2153-2160.	4.2	20
48	Distinct behavioral consequences of short-term and prolonged GABAergic depletion in prefrontal cortex and dorsal hippocampus. Frontiers in Behavioral Neuroscience, 2014, 8, 452.	2.0	22
49	Endocannabinoid system and mood disorders: Priming a target for new therapies. , 2013, 138, 18-37.		187
50	Co-segregation of hyperactivity, active coping styles, and cognitive dysfunction in mice selectively bred for low levels of anxiety. Frontiers in Behavioral Neuroscience, 2013, 7, 103.	2.0	35
51	Opposing Roles for Cannabinoid Receptor Type-1 (CB1) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats. Neuropsychopharmacology, 2012, 37, 478-486.	5.4	97
52	Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. Neurobiology of Learning and Memory, 2012, 98, 47-55.	1.9	70
53	Increased levels of conditioned fear and avoidance behavior coincide with changes in phosphorylation of the protein kinase B (AKT) within the amygdala in a mouse model of extremes in trait anxiety. Neurobiology of Learning and Memory, 2012, 98, 56-65.	1.9	27
54	Long-Lasting Hippocampal Synaptic Protein Loss in a Mouse Model of Posttraumatic Stress Disorder. PLoS ONE, 2012, 7, e42603.	2.5	42

#	Article	IF	Citations
55	Consolidation of Remote Fear Memories Involves Corticotropin-Releasing Hormone (CRH) Receptor Type 1-Mediated Enhancement of AMPA Receptor GluR1 Signaling in the Dentate Gyrus. Neuropsychopharmacology, 2012, 37, 787-796.	5.4	48
56	Endocannabinoids and stress. Stress, 2011, 14, 384-397.	1.8	115
57	Reduced hippocampus volume in the mouse model of Posttraumatic Stress Disorder. Journal of Psychiatric Research, 2011, 45, 650-659.	3.1	103
58	Glutamatergic and Dopaminergic Neurons Mediate Anxiogenic and Anxiolytic Effects of CRHR1. Science, 2011, 333, 1903-1907.	12.6	268
59	ExploraÃ§Ã£o farmacolÃ³gica do sistema endocanabinoide: novas perspectivas para o tratamento de transtornos de ansiedade e depressÃ£o?. Revista Brasileira De Psiquiatria, 2010, 32, 57-514.	1.7	11
60	Fractionated manganese injections: effects on MRI contrast enhancement and physiological measures in C57BL/6 mice. NMR in Biomedicine, 2010, 23, 913-921.	2.8	45
61	Homeostatic Switch in Hebbian Plasticity and Fear Learning after Sustained Loss of Cav1.2 Calcium Channels. Journal of Neuroscience, 2010, 30, 8367-8375.	3.6	56
62	Functional Interactions between Stress and the Endocannabinoid System: From Synaptic Signaling to Behavioral Output. Journal of Neuroscience, 2010, 30, 14980-14986.	3.6	202
63	Dissociation of within- and between-Session Extinction of Conditioned Fear. Journal of Neuroscience, 2010, 30, 4990-4998.	3.6	145
64	Cannabinoids and Anxiety. Current Topics in Behavioral Neurosciences, 2009, 2, 429-450.	1.7	146
65	Consequences of extinction training on associative and non-associative fear in a mouse model of Posttraumatic Stress Disorder (PTSD). Behavioural Brain Research, 2009, 205, 544-549.	2.2	77
66	Role of the endocannabinoid system in regulation of the hypothalamic-pituitary-adrenocortical axis. Progress in Brain Research, 2008, 170, 397-432.	1.4	144
67	Reduced Anxiety, Conditioned Fear, and Hippocampal Long-Term Potentiation in Transient Receptor Potential Vanilloid Type 1 Receptor-Deficient Mice. Journal of Neuroscience, 2007, 27, 832-839.	3.6	310
68	A mouse model of posttraumatic stress disorder that distinguishes between conditioned and sensitised fear. Journal of Psychiatric Research, 2007, 41, 848-860.	3.1	241
69	The Endocannabinoid System Controls Key Epileptogenic Circuits in the Hippocampus. Neuron, 2006, 51, 455-466.	8.1	632
70	Toward an Animal Model of Posttraumatic Stress Disorder. Annals of the New York Academy of Sciences, 2006, 1071, 324-334.	3.8	162
71	Cannabinoid CB1 Receptor Mediates Fear Extinction via Habituation-Like Processes. Journal of Neuroscience, 2006, 26, 6677-6686.	3.6	204
72	Trace fear conditioning depends on NMDA receptor activation and protein synthesis within the dorsal hippocampus of mice. Behavioural Brain Research, 2005, 157, 63-69.	2.2	38

#	Article	IF	Citations
73	Differences in extinction of conditioned fear in C57BL/6 substrains are unrelated to expression of ?-synuclein. Behavioural Brain Research, 2005, 157, 291-298.	2.2	54
74	Nonassociative learning processes determine expression and extinction of conditioned fear in mice. Learning and Memory, 2004, 11, 770-786.	1.3	158
75	Potentiation of amygdaloid and hippocampal auditory-evoked potentials in a discriminatory fear-conditioning task in mice as a function of tone pattern and context. European Journal of Neuroscience, 2003, 18, 639-650.	2.6	26
76	The endogenous cannabinoid system controls extinction of aversive memories. Nature, 2002, 418, 530-534.	27.8	1,603
77	Potentiated amygdaloid auditory-evoked potentials and freezing behavior after fear conditioning in mice. Brain Research, 2001, 919, 232-241.	2.2	36
78	Ageing alters intrahypothalamic release patterns of vasopressin and oxytocin in rats. European Journal of Neuroscience, 2000, 12, 1487-1494.	2.6	75
79	Acute transcranial magnetic stimulation of frontal brain regions selectively modulates the release of vasopressin, biogenic amines and amino acids in the rat brain. European Journal of Neuroscience, 2000, 12, 3713-3720.	2.6	146
80	Vasopressin released within the septal brain area during swim stress modulates the behavioural stress response in rats. European Journal of Neuroscience, 1999, 11, 997-1002.	2.6	80
81	Septal vasopressin modulates anxiety-related behaviour in rats. Neuroscience Letters, 1996, 217, 101-104.	2.1	161