

Owen Y Chao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26 papers	436 citations	13 h-index	20 g-index
28 ext. papers	607 ext. citations	4.6 avg, IF	3.9 L-index

#	Paper	IF	Citations
26	Disruption of Circadian Rhythms by Ambient Light during Neurodevelopment Leads to Autistic-like Molecular and Behavioral Alterations in Adult Mice.. <i>Cells</i> , 2021 , 10,	7.9	3
25	Functional Convergence of Motor and Social Processes in Lobule IV/V of the Mouse Cerebellum. <i>Cerebellum</i> , 2021 , 1	4.3	1
24	Acute intranasal dopamine application counteracts the reversal learning deficit of spontaneously hypertensive rats in an attentional set-shifting task. <i>Psychopharmacology</i> , 2021 , 238, 2419-2428	4.7	0
23	Targeting inhibitory cerebellar circuitry to alleviate behavioral deficits in a mouse model for studying idiopathic autism. <i>Neuropsychopharmacology</i> , 2020 , 45, 1159-1170	8.7	14
22	The medial prefrontal cortex - hippocampus circuit that integrates information of object, place and time to construct episodic memory in rodents: Behavioral, anatomical and neurochemical properties. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 113, 373-407	9	30
21	Altered dopaminergic pathways and therapeutic effects of intranasal dopamine in two distinct mouse models of autism. <i>Molecular Brain</i> , 2020 , 13, 111	4.5	15
20	Identification of a molecular locus for normalizing dysregulated GABA release from interneurons in the Fragile X brain. <i>Molecular Psychiatry</i> , 2020 , 25, 2017-2035	15.1	35
19	Timing constraints of action potential evoked Ca current and transmitter release at a central nerve terminal. <i>Scientific Reports</i> , 2019 , 9, 4448	4.9	2
18	Anxiogenic-like behavior and deficient attention/working memory in rats expressing the human DISC1 gene. <i>Pharmacology Biochemistry and Behavior</i> , 2019 , 179, 73-79	3.9	7
17	Altimers induce behavioral and neurochemical deficits of relevance to early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018 , 69, 1-9	5.6	9
16	Behavioral assessments of BTBR T+Itpr3tf/J mice by tests of object attention and elevated open platform: Implications for an animal model of psychiatric comorbidity in autism. <i>Behavioural Brain Research</i> , 2018 , 347, 140-147	3.4	23
15	The Hippocampal-Cortical Networks Subserving Episodic Memory and Its Component Memory Systems for Object, Place and Temporal Order. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 205-215	0.7	0
14	Interaction between the medial prefrontal cortex and hippocampal CA1 area is essential for episodic-like memory in rats. <i>Neurobiology of Learning and Memory</i> , 2017 , 141, 72-77	3.1	25
13	Intra-nasal dopamine alleviates cognitive deficits in tgDISC1 rats which overexpress the human DISC1 gene. <i>Neurobiology of Learning and Memory</i> , 2017 , 146, 12-20	3.1	14
12	Promnestic effects of intranasally applied pregnenolone in rats. <i>Neurobiology of Learning and Memory</i> , 2016 , 133, 185-195	3.1	6
11	Concurrent assessment of memory for object and place: Evidence for different preferential importance of perirhinal cortex and hippocampus and for promnestic effect of a neurokinin-3 R agonist. <i>Neurobiology of Learning and Memory</i> , 2016 , 130, 149-58	3.1	15
10	The medial prefrontal cortex-lateral entorhinal cortex circuit is essential for episodic-like memory and associative object-recognition. <i>Hippocampus</i> , 2016 , 26, 633-45	3.5	59

9	Serotonergic interaction between medial prefrontal cortex and mesotelencephalic DA system underlies cognitive and affective deficits in hemiparkinsonian rats. <i>Neuroscience</i> , 2015 , 307, 51-63	3.9	1
8	NK1 receptor agonism reinstates temporal order memory in the hemiparkinsonian rat. <i>Behavioural Brain Research</i> , 2015 , 285, 208-12	3.4	8
7	The neurokinin-3 receptor agonist senktide facilitates the integration of memories for object, place and temporal order into episodic memory. <i>Neurobiology of Learning and Memory</i> , 2014 , 114, 178-85	3.1	15
6	Relationship between L-DOPA-induced reduction in motor and exploratory activity and degree of DAT binding in the rat. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 431	3.5	9
5	Systemic administration of a deoxyribozyme to xylosyltransferase-1 mRNA promotes recovery after a spinal cord contusion injury. <i>Experimental Neurology</i> , 2012 , 237, 170-9	5.7	8
4	The grid-walking test: assessment of sensorimotor deficits after moderate or severe dopamine depletion by 6-hydroxydopamine lesions in the dorsal striatum and medial forebrain bundle. <i>Neuroscience</i> , 2012 , 202, 318-25	3.9	31
3	Intranasally applied L-DOPA alleviates parkinsonian symptoms in rats with unilateral nigro-striatal 6-OHDA lesions. <i>Brain Research Bulletin</i> , 2012 , 87, 340-5	3.9	15
2	Chronic progesterone treatment of male rats with unilateral 6-hydroxydopamine lesion of the dorsal striatum exacerbates [corrected] parkinsonian symptoms. <i>Neuroscience</i> , 2011 , 196, 228-36	3.9	13
1	Electrolytic lesions of dorsal CA3 impair episodic-like memory in rats. <i>Neurobiology of Learning and Memory</i> , 2008 , 89, 192-8	3.1	78