John C Talpos

List of Publications by Year
in descending order

33 papers	1,368 citations	20 h-index 361413	30 g-index 454955
33 all docs	33 docs citations	33 times ranked	1846 citing authors

#	Article	IF	Citations
1	NMDA receptors, cognition and schizophrenia â€" Testing the validity of the NMDA receptor hypofunction hypothesis. Neuropharmacology, 2012, 62, 1401-1412.	4.1	165
2	Biased mGlu 5 -Positive Allosteric Modulators Provide InÂVivo Efficacy without Potentiating mGlu 5 Modulation of NMDAR Currents. Neuron, 2015, 86, 1029-1040.	8.1	121
3	Assessing behavioural and cognitive domains of autism spectrum disorders in rodents: current status and future perspectives. Psychopharmacology, 2014, 231, 1125-1146.	3.1	111
4	Animal models of working memory: A review of tasks that might be used in screening drug treatments for the memory impairments found in schizophrenia. Neuroscience and Biobehavioral Reviews, 2013, 37, 2111-2124.	6.1	107
5	A novel touchscreen-automated paired-associate learning (PAL) task sensitive to pharmacological manipulation of the hippocampus: a translational rodent model of cognitive impairments in neurodegenerative disease. Psychopharmacology, 2009, 205, 157-168.	3.1	105
6	Trial-unique, delayed nonmatching-to-location (TUNL): A novel, highly hippocampus-dependent automated touchscreen test of location memory and pattern separation. Neurobiology of Learning and Memory, 2010, 94, 341-352.	1.9	97
7	A comparison of multiple 5-HT receptors in two tasks measuring impulsivity. Journal of Psychopharmacology, 2006, 20, 47-58.	4.0	96
8	Can SARS-CoV-2 infect the central nervous system via the olfactory bulb or the blood-brain barrier?. Brain, Behavior, and Immunity, 2021, 95, 7-14.	4.1	59
9	The pharmacological sensitivity of a touchscreen-based visual discrimination task in the rat using simple and perceptually challenging stimuli. Psychopharmacology, 2012, 221, 437-449.	3.1	43
10	Touching on translation. Cell and Tissue Research, 2013, 354, 297-308.	2.9	43
11	A touch-screen based paired-associates learning (PAL) task for the rat may provide a translatable pharmacological model of human cognitive impairment. Pharmacology Biochemistry and Behavior, 2014, 122, 97-106.	2.9	41
12	Severe Cross-Modal Object Recognition Deficits in Rats Treated Sub-Chronically with NMDA Receptor Antagonists are Reversed by Systemic Nicotine: Implications for Abnormal Multisensory Integration in Schizophrenia. Neuropsychopharmacology, 2012, 37, 2322-2331.	5.4	38
13	Hippocampal lesions in rats impair learning and memory for locations on a touch-sensitive computer screen: The â€œASATâ€•task. Behavioural Brain Research, 2008, 192, 216-225.	2.2	37
14	Strain-dependent effects on acquisition and reversal of visual and spatial tasks in a rat touchscreen battery of cognition. Physiology and Behavior, 2015, 144, 26-36.	2.1	36
15	The subchronic phencyclidine rat model: relevance for the assessment of novel therapeutics for cognitive impairment associated with schizophrenia. Psychopharmacology, 2015, 232, 4059-4083.	3.1	36
16	Animal models and measures of perceptual processing in Schizophrenia. Neuroscience and Biobehavioral Reviews, 2013, 37, 2092-2098.	6.1	34
17	Early life exposure to extended general anesthesia with isoflurane and nitrous oxide reduces responsivity on a cognitive test battery in the nonhuman primate. NeuroToxicology, 2019, 70, 80-90.	3.0	33
18	Dissociable effects of NR2A and NR2B NMDA receptor antagonism on cognitive flexibility but not pattern separation. Psychopharmacology, 2015, 232, 3991-4003.	3.1	30

#	Article	IF	Citations
19	Re-evaluating the PCP challenge as a pre-clinical model of impaired cognitive flexibility in schizophrenia. European Neuropsychopharmacology, 2014, 24, 1836-1849.	0.7	24
20	Executive Function. Handbook of Experimental Pharmacology, 2015, 228, 191-213.	1.8	21
21	This is your teen brain on drugs: In search of biological factors unique to dependence toxicity in adolescence. Neurotoxicology and Teratology, 2020, 81, 106916.	2.4	17
22	Sevoflurane exposure has minimal effect on cognitive function and does not alter microglial activation in adult monkeys. NeuroToxicology, 2019, 71, 159-167.	3.0	16
23	MK-801 and amphetamine result in dissociable profiles of cognitive impairment in a rodent paired associates learning task with relevance for schizophrenia. Psychopharmacology, 2015, 232, 3911-3920.	3.1	15
24	Evaluating aged mice in three touchscreen tests that differ in visual demands: Impaired cognitive function and impaired visual abilities. Behavioural Brain Research, 2017, 333, 142-149.	2.2	14
25	Symptomatic thinking: the current state of Phase III and IV clinical trials for cognition in schizophrenia. Drug Discovery Today, 2017, 22, 1017-1026.	6.4	12
26	Opposing effects of glutamatergic and GABAergic pharmacological manipulations on a visual perception task with relevance to schizophrenia. Psychopharmacology, 2015, 232, 3967-3976.	3.1	7
27	Do wholes become more than the sum of their parts in the rodent (<i>Rattus Norvegicus</i>) visual system? A test case with the configural superiority effect. European Journal of Neuroscience, 2016, 44, 2593-2599.	2.6	3
28	Acetyl-l-carnitine does not prevent neurodegeneration in a rodent model of prolonged neonatal anesthesia. Neurotoxicology and Teratology, 2020, 80, 106891.	2.4	3
29	Regions of the basal ganglia and primary olfactory system are most sensitive to neurodegeneration after extended sevoflurane anesthesia in the perinatal rat. Neurotoxicology and Teratology, 2020, 80, 106890.	2.4	2
30	Genotoxicity evaluation using primary hepatocytes isolated from rhesus macaque (Macaca mulatta). Toxicology, 2021, 462, 152936.	4.2	2
31	Automated Assessment of Cognitive Function in Nonhuman Primates. , 2018, , 321-328.		0
32	Determining the Validity of Preclinical Behavioral Assessments for Extrapolation to a Clinical Setting. , 2018, , 329-336.		0
33	Translational Research in Drug Discovery. , 2014, , 1-6.		0