

Neil Dawson

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

739
citations

686830

13
h-index

552369

26
g-index

30
all docs

30
docs citations

30
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancing schizophrenia drug discovery: optimizing rodent models to bridge the translational gap. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 560-579.	21.5	154
2	Subanaesthetic Ketamine Treatment Alters Prefrontal Cortex Connectivity With Thalamus and Ascending Subcortical Systems. <i>Schizophrenia Bulletin</i> , 2013, 39, 366-377.	2.3	77
3	Glutamatergic regulation of cognition and functional brain connectivity: insights from pharmacological, genetic and translational schizophrenia research. <i>British Journal of Pharmacology</i> , 2017, 174, 3136-3160.	2.7	64
4	Sustained NMDA Receptor Hypofunction Induces Compromised Neural Systems Integration and Schizophrenia-Like Alterations in Functional Brain Networks. <i>Cerebral Cortex</i> , 2014, 24, 452-464.	1.6	47
5	Modafinil Reverses Phencyclidine-Induced Deficits in Cognitive Flexibility, Cerebral Metabolism, and Functional Brain Connectivity. <i>Schizophrenia Bulletin</i> , 2012, 38, 457-474.	2.3	41
6	Thalamo-cortical communication, glutamatergic neurotransmission and neural oscillations: A unique window into the origins of ScZ?. <i>Schizophrenia Research</i> , 2017, 180, 4-12.	1.1	39
7	Alternating Hemiplegia of Childhood-Related Neural and Behavioural Phenotypes in Na ⁺ ,K ⁺ -ATPase $\hat{1}\pm 3$ Missense Mutant Mice. <i>PLoS ONE</i> , 2013, 8, e60141.	1.1	39
8	Altered functional brain network connectivity and glutamate system function in transgenic mice expressing truncated Disrupted-in-Schizophrenia 1. <i>Translational Psychiatry</i> , 2015, 5, e569-e569.	2.4	34
9	Subanesthetic Ketamine Treatment Promotes Abnormal Interactions between Neural Subsystems and Alters the Properties of Functional Brain Networks. <i>Neuropsychopharmacology</i> , 2014, 39, 1786-1798.	2.8	31
10	Chronic, intermittent treatment with a cannabinoid receptor agonist impairs recognition memory and brain network functional connectivity. <i>Journal of Neurochemistry</i> , 2018, 147, 71-83.	2.1	27
11	Exploring metabolic pathway disruption in the subchronic phencyclidine model of schizophrenia with the Generalized Singular Value Decomposition. <i>BMC Systems Biology</i> , 2011, 5, 72.	3.0	21
12	16p11 Duplication Disrupts Hippocampal-Orbitofrontal-Amygdala Connectivity, Revealing a Neural Circuit Endophenotype for Schizophrenia. <i>Cell Reports</i> , 2020, 31, 107536.	2.9	21
13	Functional brain connectivity phenotypes for schizophrenia drug discovery. <i>Journal of Psychopharmacology</i> , 2015, 29, 169-177.	2.0	20
14	Deconstructing Schizophrenia: Advances in Preclinical Models for Biomarker Identification. <i>Current Topics in Behavioral Neurosciences</i> , 2018, 40, 295-323.	0.8	15
15	Cerebral metabolic responses to 5-HT _{2A/C} receptor activation in mice with genetically modified serotonin transporter (SERT) expression. <i>European Neuropsychopharmacology</i> , 2011, 21, 117-128.	0.3	12
16	Ketamine Restores Thalamic-Prefrontal Cortex Functional Connectivity in a Mouse Model of Neurodevelopmental Disorder-Associated 2p16.3 Deletion. <i>Cerebral Cortex</i> , 2020, 30, 2358-2371.	1.6	12
17	Drug-responsive autism phenotypes in the 16p11.2 deletion mouse model: a central role for gene-environment interactions. <i>Scientific Reports</i> , 2020, 10, 12303.	1.6	12
18	Novel analysis for improved validity in semi-quantitative 2-deoxyglucose autoradiographic imaging. <i>Journal of Neuroscience Methods</i> , 2008, 175, 25-35.	1.3	11

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19	Sex influences the effect of a lifelong increase in serotonin transporter function on cerebral metabolism. <i>Journal of Neuroscience Research</i> , 2009, 87, 2375-2385.	1.3	11
20	Map2k7 Haploinsufficiency Induces Brain Imaging Endophenotypes and Behavioral Phenotypes Relevant to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020, 46, 211-223.	2.3	10
21	Altered medial prefrontal cortex and dorsal raphe activity predict genotype and correlate with abnormal learning behavior in a mouse model of autism-associated 2p16.3 deletion. <i>Autism Research</i> , 2022, 15, 614-627.	2.1	10
22	Acute tryptophan depletion potentiates 3,4-methylenedioxymethamphetamine-induced cerebrovascular hyperperfusion in adult male wistar rats. <i>Journal of Neuroscience Research</i> , 2010, 88, 1557-1568.	1.3	9
23	Sustained NMDA receptor hypofunction impairs brain-derived neurotrophic factor signalling in the PFC, but not in the hippocampus, and disturbs PFC-dependent cognition in mice. <i>Journal of Psychopharmacology</i> , 2021, 35, 730-743.	2.0	9
24	Gene therapy-mediated enhancement of protective protein expression for the treatment of Alzheimer's disease. <i>Brain Research</i> , 2021, 1753, 147264.	1.1	5
25	Mitogen-activated protein kinase phosphatase-2 deletion modifies ventral tegmental area function and connectivity and alters reward processing. <i>European Journal of Neuroscience</i> , 2020, 52, 2838-2852.	1.2	4
26	ALTERATIONS IN FUNCTIONAL BRAIN NETWORK STRUCTURE INDUCED BY SUBCHRONIC PHENCYCLIDINE (PCP) TREATMENT PARALLEL THOSE SEEN IN SCHIZOPHRENIA. <i>Schizophrenia Research</i> , 2010, 117, 234-235.	1.1	1
27	DISTINCT ASPECTS OF PREFRONTAL CORTEX DYSFUNCTION IN SCHIZOPHRENIA MODELLED BY ACUTE AND REPEATED PCP TREATMENT: IMPACT OF MODAFINIL. <i>Schizophrenia Research</i> , 2010, 117, 509.	1.1	1
28	BACE1 Overexpression Reduces SH-SY5Y Cell Viability Through a Mechanism Distinct from Amyloid- β Peptide Accumulation: Beta Prime-Mediated Competitive Depletion of sA β PP. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 1201-1220.	1.2	0