

Jess Nithianantharajah

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,845
citations

331670

21
h-index

345221

36
g-index

42
all docs

42
docs citations

42
times ranked

6067
citing authors

#	ARTICLE	IF	CITATIONS
1	Enriched environments, experience-dependent plasticity and disorders of the nervous system. <i>Nature Reviews Neuroscience</i> , 2006, 7, 697-709.	10.2	1,472
2	The neurobiology of brain and cognitive reserve: Mental and physical activity as modulators of brain disorders. <i>Progress in Neurobiology</i> , 2009, 89, 369-382.	5.7	273
3	New translational assays for preclinical modelling of cognition in schizophrenia: The touchscreen testing method for mice and rats. <i>Neuropharmacology</i> , 2012, 62, 1191-1203.	4.1	269
4	Differential effects of voluntary physical exercise on behavioral and brain-derived neurotrophic factor expression deficits in huntingtonâ€™s disease transgenic mice. <i>Neuroscience</i> , 2006, 141, 569-584.	2.3	245
5	Synaptic scaffold evolution generated components of vertebrate cognitive complexity. <i>Nature Neuroscience</i> , 2013, 16, 16-24.	14.8	229
6	Geneâ€™environment interactions modulating cognitive function and molecular correlates of synaptic plasticity in Huntingtonâ€™s disease transgenic mice. <i>Neurobiology of Disease</i> , 2008, 29, 490-504.	4.4	176
7	Environmental enrichment results in cortical and subcortical changes in levels of synaptophysin and PSD-95 proteins. <i>Neurobiology of Learning and Memory</i> , 2004, 81, 200-210.	1.9	171
8	Evolution of GluN2A/B cytoplasmic domains diversified vertebrate synaptic plasticity and behavior. <i>Nature Neuroscience</i> , 2013, 16, 25-32.	14.8	98
9	Bridging the translational divide: identical cognitive touchscreen testing in mice and humans carrying mutations in a disease-relevant homologous gene. <i>Scientific Reports</i> , 2015, 5, 14613.	3.3	97
10	TNIK Is Required for Postsynaptic and Nuclear Signaling Pathways and Cognitive Function. <i>Journal of Neuroscience</i> , 2012, 32, 13987-13999.	3.6	88
11	Dynamic mutations as digital genetic modulators of brain development, function and dysfunction. <i>BioEssays</i> , 2007, 29, 525-535.	2.5	84
12	Arc Requires PSD95 for Assembly into Postsynaptic Complexes Involved with Neural Dysfunction and Intelligence. <i>Cell Reports</i> , 2017, 21, 679-691.	6.4	79
13	Dysregulation of synaptic proteins, dendritic spine abnormalities and pathological plasticity of synapses as experience-dependent mediators of cognitive and psychiatric symptoms in Huntingtonâ€™s disease. <i>Neuroscience</i> , 2013, 251, 66-74.	2.3	77
14	Mechanisms mediating brain and cognitive reserve: Experience-dependent neuroprotection and functional compensation in animal models of neurodegenerative diseases. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 331-339.	4.8	52
15	Cognition in stroke rehabilitation and recovery research: Consensus-based core recommendations from the second Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2019, 14, 774-782.	5.9	52
16	Sexâ€™specific behavioural effects of environmental enrichment in a transgenic mouse model of amyotrophic lateral sclerosis. <i>European Journal of Neuroscience</i> , 2008, 28, 717-723.	2.6	49
17	Modeling Brain Reserve: Experience-Dependent Neuronal Plasticity in Healthy and Huntington's Disease Transgenic Mice. <i>American Journal of Geriatric Psychiatry</i> , 2009, 17, 196-209.	1.2	43
18	Retinal dysfunction, photoreceptor protein dysregulation and neuronal remodelling in the R6/1 mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , 2012, 45, 887-896.	4.4	37

#	ARTICLE	IF	CITATIONS
19	Local NMDA receptor hypofunction evokes generalized effects on gamma and high-frequency oscillations and behavior. <i>Neuroscience</i> , 2017, 358, 124-136.	2.3	37
20	Cognitive components in mice and humans: Combining genetics and touchscreens for medical translation. <i>Neurobiology of Learning and Memory</i> , 2013, 105, 13-19.	1.9	34
21	Neurodevelopmental synaptopathies: Insights from behaviour in rodent models of synapse gene mutations. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 424-439.	4.8	28
22	Hypoxia-Induced MicroRNA-210 Targets Neurodegenerative Pathways. <i>Non-coding RNA</i> , 2018, 4, 10.	2.6	18
23	Mutations in neuroligin-3 in male mice impact behavioral flexibility but not relational memory in a touchscreen test of visual transitive inference. <i>Molecular Autism</i> , 2019, 10, 42.	4.9	18
24	The mGluR2/3 agonist LY379268 reverses NMDA receptor antagonist effects on cortical gamma oscillations and phase coherence, but not working memory impairments, in mice. <i>Journal of Psychopharmacology</i> , 2019, 33, 1588-1599.	4.0	17
25	Tracing functional circuits using c-Fos regulated expression of marker genes targeted to neuronal projections. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 40.	3.0	16
26	Cognitive deficits in a rat model of temporal lobe epilepsy using touchscreen-based translational tools. <i>Epilepsia</i> , 2019, 60, 1650-1660.	5.1	15
27	Auditory specific fear conditioning results in increased levels of synaptophysin in the basolateral amygdala. <i>Neurobiology of Learning and Memory</i> , 2008, 90, 36-43.	1.9	14
28	Experience on the Barnes Spatial Maze Influences PKC β Levels in the Hippocampus. <i>International Journal of Neuroscience</i> , 2009, 119, 1014-1030.	1.6	11
29	A molecular insight into the dissociable regulation of associative learning and motivation by the synaptic protein neuroligin-1. <i>BMC Biology</i> , 2020, 18, 118.	3.8	10
30	Cognition in Stroke Rehabilitation and Recovery Research: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 943-950.	2.9	8
31	Paradoxical effects of exercise on hippocampal plasticity and cognition in mice with a heterozygous null mutation in the serotonin transporter gene. <i>British Journal of Pharmacology</i> , 2019, 176, 3279-3296.	5.4	7
32	MicroRNA-210 Regulates Dendritic Morphology and Behavioural Flexibility in Mice. <i>Molecular Neurobiology</i> , 2021, 58, 1330-1344.	4.0	6
33	Cognitive behavioral markers of neurodevelopmental trajectories in rodents. <i>Translational Psychiatry</i> , 2021, 11, 556.	4.8	4
34	Compulsive-like eating of high-fat high-sugar food is associated with "addiction-like" glutamatergic dysfunction in obesity prone rats. <i>Addiction Biology</i> , 2022, 27, .	2.6	2
35	Connecting the dots in mental illness: The synapse as the intersection of brain function and disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 305.	4.8	1
36	Capturing longitudinal impacts on cognition following stroke in rodent models using touchscreen testing. <i>Alzheimer's and Dementia</i> , 2020, 16, e044156.	0.8	0