

# Nafisa M Jadavji

## List of Publications by Citations

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**Version:** 2024-04-28

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51  
papers

1,027  
citations

16  
h-index

31  
g-index

73  
ext. papers

1,377  
ext. citations

4.5  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
51	Modulation of motor function by stress: a novel concept of the effects of stress and corticosterone on behavior. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 1190-200	3.5	111
50	Stress accelerates neural degeneration and exaggerates motor symptoms in a rat model of Parkinson's disease. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 2133-46	3.5	84
49	MTHFR-deficiency Increases Ischemic Damage Through Reduced Neuronal and Astrocytes Viability and Changes in the Cellular Response (P01-020-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
48	The Role of One-Carbon Metabolism After Ischemic Stroke in an Aged Mouse Model. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1226-1226	0.4	78
47	A Dietary Vitamin B12 Deficiency Impairs Balance and Coordination After Ischemic Injury to the Sensorimotor Cortex in Adult Male and Female Mice. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 932-932	0.4	78
46	Enriched environment improves motor function in intact and unilateral dopamine-depleted rats. <i>Neuroscience</i> , <b>2006</b> , 140, 1127-38	3.9	75
45	MTHFR deficiency or reduced intake of folate or choline in pregnant mice results in impaired short-term memory and increased apoptosis in the hippocampus of wild-type offspring. <i>Neuroscience</i> , <b>2015</b> , 300, 1-9	3.9	63
44	Severe methylenetetrahydrofolate reductase deficiency in mice results in behavioral anomalies with morphological and biochemical changes in hippocampus. <i>Molecular Genetics and Metabolism</i> , <b>2012</b> , 106, 149-59	3.7	46
43	High dietary folate in pregnant mice leads to pseudo-MTHFR deficiency and altered methyl metabolism, with embryonic growth delay and short-term memory impairment in offspring. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 888-900	5.6	37
42	B-vitamin and choline supplementation increases neuroplasticity and recovery after stroke. <i>Neurobiology of Disease</i> , <b>2017</b> , 103, 89-100	7.5	29
41	Mouse model for deficiency of methionine synthase reductase exhibits short-term memory impairment and disturbances in brain choline metabolism. <i>Biochemical Journal</i> , <b>2014</b> , 461, 205-12	3.8	28
40	Predictable stress versus unpredictable stress: a comparison in a rodent model of stroke. <i>Behavioural Brain Research</i> , <b>2009</b> , 205, 67-75	3.4	25
39	Elevated levels of plasma homocysteine, deficiencies in dietary folic acid and uracil-DNA glycosylase impair learning in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , <b>2015</b> , 283, 215-26	3.4	22
38	Blockade of mineralocorticoid and glucocorticoid receptors reverses stress-induced motor impairments. <i>Neuroendocrinology</i> , <b>2011</b> , 94, 278-90	5.6	19
37	Sex differences in skilled movement in response to restraint stress and recovery from stress. <i>Behavioural Brain Research</i> , <b>2008</b> , 195, 251-9	3.4	19
36	Granulocyte macrophage colony-stimulating factor treatment results in recovery of motor function after white matter damage in mice. <i>European Journal of Neuroscience</i> , <b>2016</b> , 43, 17-24	3.5	17
35	Increased homocysteine levels impair reference memory and reduce cortical levels of acetylcholine in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , <b>2017</b> , 321, 201-208	3.4	16

34	Methylenetetrahydrofolate reductase deficiency alters levels of glutamate and $\gamma$ -aminobutyric acid in brain tissue. <i>Molecular Genetics and Metabolism Reports</i> , <b>2015</b> , 3, 1-4	1.8	15
33	Assessing Spatial Working Memory Using the Spontaneous Alternation Y-maze Test in Aged Male Mice. <i>Bio-protocol</i> , <b>2019</b> , 9, e3162	0.9	14
32	Maternal oversupplementation with folic acid and its impact on neurodevelopment of offspring. <i>Nutrition Reviews</i> , <b>2018</b> , 76, 708-721	6.4	13
31	The role of one-carbon metabolism and homocysteine in Parkinson's disease onset, pathology and mechanisms. <i>Nutrition Research Reviews</i> , <b>2019</b> , 32, 218-230	7	13
30	Both pre- and post-lesion experiential therapy is beneficial in 6-hydroxydopamine dopamine-depleted female rats. <i>Neuroscience</i> , <b>2009</b> , 158, 373-86	3.9	12
29	tPA promotes cortical neuron survival via mTOR-dependent mechanisms. <i>Molecular and Cellular Neurosciences</i> , <b>2016</b> , 74, 25-33	4.8	12
28	A genetic deficiency in folic acid metabolism impairs recovery after ischemic stroke. <i>Experimental Neurology</i> , <b>2018</b> , 309, 14-22	5.7	11
27	The role of maternal diet on offspring gut microbiota development: A review. <i>Journal of Neuroscience Research</i> , <b>2021</b> , 99, 284-293	4.4	11
26	Reduced brain volume and impaired memory in betaine homocysteine S-methyltransferase knockout mice. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 1228-1231	3	10
25	Recombinant growth differentiation factor 11 influences short-term memory and enhances Sox2 expression in middle-aged mice. <i>Behavioural Brain Research</i> , <b>2018</b> , 341, 45-49	3.4	9
24	A survey-based analysis of the academic job market. <i>ELife</i> , <b>2020</b> , 9,	8.9	9
23	Fractionated low-dose exposure to ionizing radiation leads to DNA damage, epigenetic dysregulation, and behavioral impairment. <i>Environmental Epigenetics</i> , <b>2016</b> , 2, dvw025	2.4	8
22	Postnatal gestational age estimation via newborn screening analysis: application and potential. <i>Expert Review of Proteomics</i> , <b>2019</b> , 16, 727-731	4.2	6
21	Role of vitamin B12 deficiency in ischemic stroke risk and outcome. <i>Neural Regeneration Research</i> , <b>2021</b> , 16, 470-474	4.5	6
20	Paraquat Exposure Increases Oxidative Stress Within the Dorsal Striatum of Male Mice With a Genetic Deficiency in One-carbon Metabolism. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 25-33	4.4	5
19	One-carbon metabolism supplementation improves outcome after stroke in aged male MTHFR-deficient mice. <i>Neurobiology of Disease</i> , <b>2019</b> , 132, 104613	7.5	5
18	Identification and Development of Therapeutics for COVID-19. <i>MSystems</i> , <b>2021</b> , e0023321	7.6	5
17	Reduced Hippocampal Neurogenesis in Mice Deficient in Apoptosis Repressor with Caspase Recruitment Domain (ARC). <i>Neuroscience</i> , <b>2019</b> , 416, 20-29	3.9	4

16	Role of granulocyte macrophage colony stimulating factor in regeneration of the central nervous system. <i>Neural Regeneration Research</i> , <b>2016</b> , 11, 902-3	4.5	4
15	The changing postdoc and key predictors of satisfaction with professional training. <i>Studies in Graduate and Postdoctoral Education</i> , <b>2020</b> , 11, 123-142	0.9	4
14	Methylenetetrahydrofolate reductase deficiency alters cellular response after ischemic stroke in male mice. <i>Nutritional Neuroscience</i> , <b>2020</b> , 1-9	3.6	3
13	The Antioxidant Role of One-Carbon Metabolism on Stroke. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	3
12	Supporting undergraduate research. <i>Science</i> , <b>2007</b> , 317, 42	33.3	2
11	Reproducibility for everyone: a community-led initiative with global reach in reproducible research training		2
10	The pleiotropic effects of tissue plasminogen activator in the brain: implications for stroke recovery. <i>Neural Regeneration Research</i> , <b>2016</b> , 11, 1401-1402	4.5	2
9	Insights from a survey-based analysis of the academic job market		2
8	A community-led initiative for training in reproducible research. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
7	The Integrated Stress Response Is Not a Target for Diffuse White Matter Injury in Premature Infants. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 11772-11773	6.6	1
6	Impact of Maternal Folate Deficiencies on Early Neurological Development: A Narrative Review. <i>Journal of Pediatrics Review</i> , <b>2016</b> , 4,	1	1
5	Impact of dietary supplementation of one-carbon metabolism on neural recovery. <i>Neural Regeneration Research</i> , <b>2017</b> , 12, 1075-1076	4.5	1
4	Role of behavioral training in reducing functional impairments after stroke. <i>Neural Regeneration Research</i> , <b>2019</b> , 14, 1507-1508	4.5	1
3	The role of dietary supplements that modulate one-carbon metabolism on stroke outcome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2021</b> , 24, 303-307	3.8	1
2	Dietary folic acid deficiency impacts hippocampal morphology and cortical acetylcholine metabolism in adult male and female mice. <i>Nutritional Neuroscience</i> , <b>2021</b> , 1-9	3.6	0
1	Linking homocysteine, B vitamins, and choline to ischemic stroke risk <b>2020</b> , 245-261		