# Nafisa M Jadavji

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 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 | Identification and Development of Therapeutics for COVID-19. *MSystems*, **2021**, e0023321 | 7.6 | 5 |
| 50 | Dietary folic acid deficiency impacts hippocampal morphology and cortical acetylcholine metabolism in adult male and female mice. *Nutritional Neuroscience*, **2021**, 1-9 | 3.6 | 0 |
| 49 | A Dietary Vitamin B12 Deficiency Impairs Balance and Coordination After Ischemic Injury to the Sensorimotor Cortex in Adult Male and Female Mice. *Current Developments in Nutrition*, **2021**, 5, 932-932 | 0.4 | 78 |
| 48 | A community-led initiative for training in reproducible research. *ELife*, **2021**, 10, | 8.9 | 2 |
| 47 | The role of maternal diet on offspring gut microbiota development: A review. *Journal of Neuroscience Research*, **2021**, 99, 284-293 | 4.4 | 11 |
| 46 | The role of dietary supplements that modulate one-carbon metabolism on stroke outcome. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2021**, 24, 303-307 | 3.8 | 1 |
| 45 | Role of vitamin B12 deficiency in ischemic stroke risk and outcome. *Neural Regeneration Research*, **2021**, 16, 470-474 | 4.5 | 6 |
| 44 | A survey-based analysis of the academic job market. *ELife*, **2020**, 9, | 8.9 | 9 |
| 43 | Methylenetetrahydrofolate reductase deficiency alters cellular response after ischemic stroke in male mice. *Nutritional Neuroscience*, **2020**, 1-9 | 3.6 | 3 |
| 42 | The Role of One-Carbon Metabolism After Ischemic Stroke in an Aged Mouse Model. *Current Developments in Nutrition*, **2020**, 4, 1226-1226 | 0.4 | 78 |
| 41 | The Antioxidant Role of One-Carbon Metabolism on Stroke. *Antioxidants*, **2020**, 9, | 7.1 | 3 |
| 40 | The changing postdoc and key predictors of satisfaction with professional training. *Studies in Graduate and Postdoctoral Education*, **2020**, 11, 123-142 | 0.9 | 4 |
| 39 | Linking homocysteine, B vitamins, and choline to ischemic stroke risk **2020**, 245-261 | | |
| 38 | MTHFR-deficiency Increases Ischemic Damage Through Reduced Neuronal and Astrocytes Viability and Changes in the Cellular Response (P01-020-19). *Current Developments in Nutrition*, **2019**, 3, | 0.4 | 78 |
| 37 | Paraquat Exposure Increases Oxidative Stress Within the Dorsal Striatum of Male Mice With a Genetic Deficiency in One-carbon Metabolism. *Toxicological Sciences*, **2019**, 169, 25-33 | 4.4 | 5 |
| 36 | Postnatal gestational age estimation via newborn screening analysis: application and potential. *Expert Review of Proteomics*, **2019**, 16, 727-731 | 4.2 | 6 |
| 35 | The role of one-carbon metabolism and homocysteine in Parkinson's disease onset, pathology and mechanisms. *Nutrition Research Reviews*, **2019**, 32, 218-230 | 7 | 13 |

| | | | |
|---|---|---|---|
| 34 | Reduced Hippocampal Neurogenesis in Mice Deficient in Apoptosis Repressor with Caspase Recruitment Domain (ARC). *Neuroscience*, **2019**, 416, 20-29 | 3.9 | 4 |
| 33 | One-carbon metabolism supplementation improves outcome after stroke in aged male MTHFR-deficient mice. *Neurobiology of Disease*, **2019**, 132, 104613 | 7.5 | 5 |
| 32 | Assessing Spatial Working Memory Using the Spontaneous Alternation Y-maze Test in Aged Male Mice. *Bio-protocol*, **2019**, 9, e3162 | 0.9 | 14 |
| 31 | Role of behavioral training in reducing functional impairments after stroke. *Neural Regeneration Research*, **2019**, 14, 1507-1508 | 4.5 | 1 |
| 30 | Recombinant growth differentiation factor 11 influences short-term memory and enhances Sox2 expression in middle-aged mice. *Behavioural Brain Research*, **2018**, 341, 45-49 | 3.4 | 9 |
| 29 | A genetic deficiency in folic acid metabolism impairs recovery after ischemic stroke. *Experimental Neurology*, **2018**, 309, 14-22 | 5.7 | 11 |
| 28 | Maternal oversupplementation with folic acid and its impact on neurodevelopment of offspring. *Nutrition Reviews*, **2018**, 76, 708-721 | 6.4 | 13 |
| 27 | 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. *Human Molecular Genetics*, **2017**, 26, 888-900 | 5.6 | 37 |
| 26 | Increased homocysteine levels impair reference memory and reduce cortical levels of acetylcholine in a mouse model of vascular cognitive impairment. *Behavioural Brain Research*, **2017**, 321, 201-208 | 3.4 | 16 |
| 25 | B-vitamin and choline supplementation increases neuroplasticity and recovery after stroke. *Neurobiology of Disease*, **2017**, 103, 89-100 | 7.5 | 29 |
| 24 | Reduced brain volume and impaired memory in betaine homocysteine S-methyltransferase knockout mice. *Applied Physiology, Nutrition and Metabolism*, **2017**, 42, 1228-1231 | 3 | 10 |
| 23 | The Integrated Stress Response Is Not a Target for Diffuse White Matter Injury in Premature Infants. *Journal of Neuroscience*, **2017**, 37, 11772-11773 | 6.6 | 1 |
| 22 | Impact of dietary supplementation of one-carbon metabolism on neural recovery. *Neural Regeneration Research*, **2017**, 12, 1075-1076 | 4.5 | 1 |
| 21 | Fractionated low-dose exposure to ionizing radiation leads to DNA damage, epigenetic dysregulation, and behavioral impairment. *Environmental Epigenetics*, **2016**, 2, dvw025 | 2.4 | 8 |
| 20 | Impact of Maternal Folate Deficiencies on Early Neurological Development: A Narrative Review. *Journal of Pediatrics Review*, **2016**, 4, | 1 | 1 |
| 19 | The pleiotropic effects of tissue plasminogen activator in the brain: implications for stroke recovery. *Neural Regeneration Research*, **2016**, 11, 1401-1402 | 4.5 | 2 |
| 18 | Role of granulocyte macrophage colony stimulating factor in regeneration of the central nervous system. *Neural Regeneration Research*, **2016**, 11, 902-3 | 4.5 | 4 |
| 17 | tPA promotes cortical neuron survival via mTOR-dependent mechanisms. *Molecular and Cellular Neurosciences*, **2016**, 74, 25-33 | 4.8 | 12 |

| | | | |
|---|---|---|---|
| 16 | Granulocyte macrophage colony-stimulating factor treatment results in recovery of motor function after white matter damage in mice. *European Journal of Neuroscience*, **2016**, 43, 17-24 | 3.5 | 17 |
| 15 | 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. *Neuroscience*, **2015**, 300, 1-9 | 3.9 | 63 |
| 14 | Methylenetetrahydrofolate reductase deficiency alters levels of glutamate and □aminobutyric acid in brain tissue. *Molecular Genetics and Metabolism Reports*, **2015**, 3, 1-4 | 1.8 | 15 |
| 13 | Elevated levels of plasma homocysteine, deficiencies in dietary folic acid and uracil-DNA glycosylase impair learning in a mouse model of vascular cognitive impairment. *Behavioural Brain Research*, **2015**, 283, 215-26 | 3.4 | 22 |
| 12 | Mouse model for deficiency of methionine synthase reductase exhibits short-term memory impairment and disturbances in brain choline metabolism. *Biochemical Journal*, **2014**, 461, 205-12 | 3.8 | 28 |
| 11 | Severe methylenetetrahydrofolate reductase deficiency in mice results in behavioral anomalies with morphological and biochemical changes in hippocampus. *Molecular Genetics and Metabolism*, **2012**, 106, 149-59 | 3.7 | 46 |
| 10 | Blockade of mineralocorticoid and glucocorticoid receptors reverses stress-induced motor impairments. *Neuroendocrinology*, **2011**, 94, 278-90 | 5.6 | 19 |
| 9 | Predictable stress versus unpredictable stress: a comparison in a rodent model of stroke. *Behavioural Brain Research*, **2009**, 205, 67-75 | 3.4 | 25 |
| 8 | Both pre- and post-lesion experiential therapy is beneficial in 6-hydroxydopamine dopamine-depleted female rats. *Neuroscience*, **2009**, 158, 373-86 | 3.9 | 12 |
| 7 | Stress accelerates neural degeneration and exaggerates motor symptoms in a rat model of Parkinson¥s disease. *European Journal of Neuroscience*, **2008**, 27, 2133-46 | 3.5 | 84 |
| 6 | Sex differences in skilled movement in response to restraint stress and recovery from stress. *Behavioural Brain Research*, **2008**, 195, 251-9 | 3.4 | 19 |
| 5 | Supporting undergraduate research. *Science*, **2007**, 317, 42 | 33.3 | 2 |
| 4 | Enriched environment improves motor function in intact and unilateral dopamine-depleted rats. *Neuroscience*, **2006**, 140, 1127-38 | 3.9 | 75 |
| 3 | Modulation of motor function by stress: a novel concept of the effects of stress and corticosterone on behavior. *European Journal of Neuroscience*, **2005**, 22, 1190-200 | 3.5 | 111 |
| 2 | Reproducibility for everyone: a community-led initiative with global reach in reproducible research training | | 2 |
| 1 | Insights from a survey-based analysis of the academic job market | | 2 |