

# Fatima Ali Nasrallah

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,241  
citations

393982

19  
h-index

395343

33  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging Brain Deoxyglucose Uptake and Metabolism by Glucocest MRI. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1270-1278.	2.4	150
2	Detection of functional connectivity in the resting mouse brain. NeuroImage, 2014, 86, 417-424.	2.1	96
3	Metabolism, Compartmentation, Transport and Production of Acetate in the Cortical Brain Tissue Slice. Neurochemical Research, 2012, 37, 2541-2553.	1.6	71
4	Functional networks and network perturbations in rodents. NeuroImage, 2017, 163, 419-436.	2.1	55
5	Characterisation and evaluation of soft elastomeric actuators for hand assistive and rehabilitation applications. Journal of Medical Engineering and Technology, 2016, 40, 199-209.	0.8	54
6	Brain plasticity following MI-BCI training combined with tDCS in a randomized trial in chronic subcortical stroke subjects: a preliminary study. Scientific Reports, 2017, 7, 9222.	1.6	51
7	Tauopathy in veterans with long-term posttraumatic stress disorder and traumatic brain injury. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1139-1151.	3.3	51
8	Alanine metabolism, transport, and cycling in the brain. Journal of Neurochemistry, 2007, 102, 1758-1770.	2.1	48
9	Amyloid pathology fingerprint differentiates post-traumatic stress disorder and traumatic brain injury. NeuroImage: Clinical, 2018, 19, 716-726.	1.4	48
10	Modulation of brain metabolism by very low concentrations of the commonly used drug delivery vehicle dimethyl sulfoxide (DMSO). Journal of Neuroscience Research, 2008, 86, 208-214.	1.3	47
11	Pharmacological modulation of functional connectivity: $\beta$ -adrenergic receptor agonist alters synchrony but not neural activation. NeuroImage, 2012, 60, 436-446.	2.1	45
12	Neural correlate of resting-state functional connectivity under $\beta$ adrenergic receptor agonist, medetomidine. NeuroImage, 2014, 84, 27-34.	2.1	42
13	Dependence of BOLD signal fluctuation on arterial blood CO <sub>2</sub> and O <sub>2</sub> : Implication for resting-state functional connectivity. NeuroImage, 2015, 117, 29-39.	2.1	33
14	$\beta$ -Hydroxybutyrate and the GABAergic footprint: a metabolomic approach to unpicking the actions of GHB. Journal of Neurochemistry, 2010, 115, 58-67.	2.1	32
15	Functional connectivity MRI tracks memory networks after maze learning in rodents. NeuroImage, 2016, 127, 196-202.	2.1	30
16	Multimodal analysis of aged wild-type mice exposed to repeated scanning ultrasound treatments demonstrates long-term safety. Theranostics, 2018, 8, 6233-6247.	4.6	30
17	Evaluation of nuisance removal for functional MRI of rodent brain. NeuroImage, 2019, 188, 694-709.	2.1	30
18	Toluene inhalation in adolescent rats reduces flexible behaviour in adulthood and alters glutamatergic and GABAergic signalling. Journal of Neurochemistry, 2016, 139, 806-822.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Understanding Your Inhibitions: Modulation of Brain Cortical Metabolism by GABAB Receptors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1510-1520.	2.4	24
20	Evaluating spatiotemporal microstructural alterations following diffuse traumatic brain injury. <i>NeuroImage: Clinical</i> , 2020, 25, 102136.	1.4	24
21	Ethanol, not detectably metabolized in brain, significantly reduces brain metabolism, probably via action at specific <scp>GABA</scp> (A) receptors and has measureable metabolic effects at very low concentrations. <i>Journal of Neurochemistry</i> , 2014, 129, 304-314.	2.1	22
22	Metabolic Effects of Blocking Lactate Transport in Brain Cortical Tissue Slices Using an Inhibitor Specific to MCT1 and MCT2. <i>Neurochemical Research</i> , 2009, 34, 1783-1791.	1.6	19
23	Optimization of flow-sensitive alternating inversion recovery (FAIR) for perfusion functional MRI of rodent brain. <i>NMR in Biomedicine</i> , 2012, 25, 1209-1216.	1.6	19
24	GABAergic effect on resting-state functional connectivity: Dynamics under pharmacological antagonism. <i>NeuroImage</i> , 2017, 149, 53-62.	2.1	19
25	Traumatic brain injury fast-forwards Alzheimer's pathology: evidence from amyloid positron emission tomography imaging. <i>Journal of Neurology</i> , 2022, 269, 873-884.	1.8	19
26	Pharmacological insight into neurotransmission origins of resting-state functional connectivity: Î±2-adrenergic agonist vs antagonist. <i>NeuroImage</i> , 2014, 103, 364-373.	2.1	16
27	Understanding your inhibitions: effects of GABA and GABA<sub>A</sub> receptor modulation on brain cortical metabolism. <i>Journal of Neurochemistry</i> , 2009, 108, 57-71.	2.1	15
28	Functional connectivity of brain associated with passive range of motion exercise: Proprioceptive input promoting motor activation?. <i>NeuroImage</i> , 2019, 202, 116023.	2.1	15
29	Diffusion Magnetic Resonance Imaging Unveils the Spatiotemporal Microstructural Gray Matter Changes following Injury in the Rodent Brain. <i>Journal of Neurotrauma</i> , 2019, 36, 1306-1317.	1.7	15
30	Combined Diffusion Tensor Imaging and Quantitative Susceptibility Mapping Discern Discrete Facets of White Matter Pathology Post-injury in the Rodent Brain. <i>Frontiers in Neurology</i> , 2020, 11, 153.	1.1	14
31	White Matter Alterations Are Associated With Cognitive Dysfunction Decades After Moderate-to-Severe Traumatic Brain Injury and/or Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1100-1109.	1.1	14
32	Activity-dependent <sup>13</sup> C-aminobutyric acid release controls brain cortical tissue slice metabolism. <i>Journal of Neuroscience Research</i> , 2011, 89, 1935-1945.	1.3	12
33	A roadmap of brain recovery in a mouse model of concussion: insights from neuroimaging. <i>Acta Neuropathologica Communications</i> , 2021, 9, 2.	2.4	12
34	Ultra-High-Field Diffusion Tensor Imaging Identifies Discrete Patterns of Concussive Injury in the Rodent Brain. <i>Journal of Neurotrauma</i> , 2021, 38, 967-982.	1.7	8
35	Pharmacokinetics of Gd(DO3A-lys) and MR imaging studies in an orthotopic U87MG glioma tumor model. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 237-244.	0.4	7
36	Metabolomic Approaches to Defining the Role(s) of GABA <sub>A</sub> Receptors in the Brain. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 445-456.	2.1	7

#	ARTICLE	IF	CITATIONS
37	Resting state functional connectivity data supports detection of cognition in the rodent brain. Data in Brief, 2016, 7, 1156-1164.	0.5	7
38	Multi-modal magnetic resonance imaging in a mouse model of concussion. Scientific Data, 2021, 8, 207.	2.4	7
39	Altered Motor and Motor Perceptual Cognitive Imagery Task-Related Activation in Diabetic Peripheral Neuropathy: Insights From Functional MRI. Diabetes Care, 2019, 42, 2004-2007.	4.3	6
40	Response to the letter concerning the publication: Amyloid pathology fingerprint differentiates post-traumatic stress disorder and traumatic brain injury. Mohamed AZ, et al. NeuroImage Clinical 2018 June 5;19:716-726. NeuroImage: Clinical, 2019, 23, 101867.	1.4	0