

# Mustapha Muzaimi

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,047  
citations

516710

16  
h-index

454955

30  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Presence of enlarged perivascular spaces is associated with reduced processing speed in asymptomatic, working-aged adults. <i>Journal of Integrative Neuroscience</i> , 2022, 21, 051.	1.7	1
2	Neuroinflammation and COVID-19 Ischemic Stroke Recovery—Evolving Evidence for the Mediating Roles of the ACE2/Angiotensin-(1â€“7)/Mas Receptor Axis and NLRP3 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3085.	4.1	12
3	Goofballing of Opioid and Methamphetamine: The Science Behind the Deadly Cocktail. <i>Frontiers in Pharmacology</i> , 2022, 13, 859563.	3.5	8
4	Reduced cerebral vascular fractal dimension among asymptomatic individuals as a potential biomarker for cerebral small vessel disease. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
5	Role of toll-like receptor 4 antagonist Lipopolysaccharide-Rhodobacter sphaeroides on acute stress-induced voluntary ethanol preference and drinking behaviour: In vivo Swiss Albino mouse model. <i>European Neuropsychopharmacology</i> , 2021, 45, 59-72.	0.7	5
6	Effective Connectivity for Default Mode Network Analysis of Alcoholism. <i>Brain Connectivity</i> , 2021, 11, 12-29.	1.7	15
7	Elevated Circulating Microparticle Subpopulations in Incidental Cerebral White Matter Hyperintensities: A Multimodal Study. <i>Brain Sciences</i> , 2021, 11, 133.	2.3	5
8	An overview of fractional anisotropy as a reliable quantitative measurement for the corticospinal tract (CST) integrity in correlation with a Fugl-Meyer assessment in stroke rehabilitation. <i>Journal of Physical Therapy Science</i> , 2021, 33, 75-83.	0.6	23
9	Neuroprotective effect of agomelatine in rat model of psychosis: Behavioural and histological evidence. <i>Journal of Affective Disorders Reports</i> , 2021, 3, 100070.	1.7	0
10	Neuropharmacological potentials of Î²-carboline alkaloids for neuropsychiatric disorders. <i>European Journal of Pharmacology</i> , 2021, 893, 173837.	3.5	16
11	Diets and Cellular-Derived Microparticles: Weighing a Plausible Link With Cerebral Small Vessel Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 632131.	2.4	6
12	COVID-19 Infection and Circulating Microparticles—Reviewing Evidence as Microthrombogenic Risk Factor for Cerebral Small Vessel Disease. <i>Molecular Neurobiology</i> , 2021, 58, 4188-4215.	4.0	16
13	The IntelliCage System: A Review of Its Utility as a Novel Behavioral Platform for a Rodent Model of Substance Use Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 683780.	2.0	15
14	Role of Purinergic Signalling in Endothelial Dysfunction and Thrombo-Inflammation in Ischaemic Stroke and Cerebral Small Vessel Disease. <i>Biomolecules</i> , 2021, 11, 994.	4.0	24
15	Aberrant Neurogliovascular Unit Dynamics in Cerebral Small Vessel Disease: A Rheological Clue to Vascular Parkinsonism. <i>Pharmaceutics</i> , 2021, 13, 1207.	4.5	6
16	Mitragynine (Kratom)-Induced Cognitive Impairments in Mice Resemble Î³9-THC and Morphine Effects: Reversal by Cannabinoid CB1 Receptor Antagonism. <i>Frontiers in Pharmacology</i> , 2021, 12, 708055.	3.5	11
17	Hypoxia-Induced Neuroinflammation in Alzheimerâ€™s Disease: Potential Neuroprotective Effects of Centella asiatica. <i>Frontiers in Physiology</i> , 2021, 12, 712317.	2.8	19
18	Polysaccharide-Based Hydrogels for Microencapsulation of Stem Cells in Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 735090.	4.1	19

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19	Ratio of Nitric Oxide Metabolite Levels in Cerebrospinal Fluid and Serum, and Their Correlation with Severity and Outcome in Patients with Subarachnoid Haemorrhage. The Malaysian Journal of Medical Sciences, 2021, 28, 42-54.	0.5	2
20	Cerebral Small Vessel Disease (CSVD) – Lessons From the Animal Models. Frontiers in Physiology, 2019, 10, 1317.	2.8	40
21	Biomechanical System Versus Observational Rating Scale for Parkinson’s Disease Tremor Assessment. Scientific Reports, 2019, 9, 8117.	3.3	3
22	Analysis of genu and splenium of the corpus callosum: comparison between healthy subjects with and without Leukoaraiosis. Journal of Physics: Conference Series, 2019, 1372, 012039.	0.4	0
23	Comparison of Super Resolution Methods in Magnetic Resonance Images for Small Animals. , 2019, , .		0
24	Commemorating the 40-Year Journey of the School of Medical Sciences, Universiti Sains Malaysia. The Malaysian Journal of Medical Sciences, 2019, 26, 1-7.	0.5	1
25	An In-Laboratory Validity and Reliability Tested System for Quantifying Hand-Arm Tremor in Motions. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 460-467.	4.9	10
26	Short-term and long-term survival probabilities among first-ever ischaemic and haemorrhagic stroke patients at a hospital in the suburban east coast of Peninsular Malaysia. Health Science Reports, 2018, 1, e27.	1.5	3
27	Tualang Honey Reduced Neuroinflammation and Caspase-3 Activity in Rat Brain after Kainic Acid-Induced Status Epilepticus. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-16.	1.2	19
28	Malaysian Society of Neurosciences (MSN) – Asian and Oceanian Myology Centre (AOMC) Annual Scientific Meeting 2018. Neuroscience Research Notes, 2018, 1, 15-20.	0.8	0
29	Chronic mitragynine (kratom) enhances punishment resistance in natural reward seeking and impairs place learning in mice. Addiction Biology, 2017, 22, 967-976.	2.6	40
30	Effect of tualang honey against KA-induced oxidative stress and neurodegeneration in the cortex of rats. BMC Complementary and Alternative Medicine, 2017, 17, 31.	3.7	42
31	Automatic contrast enhancement of brain MR images using Average Intensity Replacement based on Adaptive Histogram Equalization (AIR-AHE). Biocybernetics and Biomedical Engineering, 2017, 37, 24-34.	5.9	50
32	Classification and grading of white matter hyperintensity severity by using automated detection. , 2017, , .		0
33	An automated multimodal white matter hyperintensity identification for MRI images using image processing. , 2017, , .		1
34	Tualang Honey Protects the Rat Midbrain and Lung against Repeated Paraquat Exposure. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	4.0	12
35	TUALANG HONEY ATTENUATES KAINIC ACID-INDUCED OXIDATIVE STRESS IN RAT CEREBELLUM AND BRAINSTEM. International Journal of Pharmacy and Pharmaceutical Sciences, 2017, 9, 155.	0.3	9
36	A New Technique for K-Means Cluster Centers Initialization of WMH Segmentation. , 2017, , .		2

37	THE AUTOMATED SEGMENTATION TECHNIQUES OF T2-WEIGHTED MRI IMAGES USING K-MEANS CLUSTERING AND OTSU-BASED THRESHOLDING METHOD. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	2
38	Assessing intensity of white matter hyperintensity and normal appearing white matter in healthy adults. , 2016, , .		3
39	New image enhancement technique for WMH segmentation of MRI FLAIR image. , 2016, , .		12
40	Neurotechnological Advances in Exploring Melodic Recitation of the Noble Qurâ€™an: Uncovering the Neural Circuitry in the Human Brain. , 2016, , 229-235.		0
41	Kainic Acid-Induced Excitotoxicity Experimental Model: Protective Merits of Natural Products and Plant Extracts. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-15.	1.2	26
42	New Features Extraction Based on MRI Brain White Matter and Small Vessel Stroke Predisposition for Neural Network Input Classification. , 2015, , .		0
43	Evaluating Denoising Performances of Fundamental Filters for T2-Weighted MRI Images. Procedia Computer Science, 2015, 60, 760-768.	2.0	36
44	Determinants of Mortality in First-Ever Stroke Patients in the Suburban Malaysia: A Retrospective Hospital-Based Study, 2005-2011. Iranian Journal of Public Health, 2015, 44, 1291-3.	0.5	3
45	Anxiolytic-like effects of mitragynine in the open-field and elevated plus-maze tests in rats. Journal of Physiological Sciences, 2014, 64, 161-169.	2.1	39
46	Time course of motor and cognitive functions after chronic cerebral ischemia in rats. Behavioural Brain Research, 2014, 275, 252-258.	2.2	40
47	Microgravity environment and compensatory: Decompensatory phases for intracranial hypertension form new perspectives to explain mechanism underlying communicating hydrocephalus and its related disorders. Journal of Innovative Optical Health Sciences, 2014, 9, 7.	1.0	6
48	Better Glasgow outcome score, cerebral perfusion pressure and focal brain oxygenation in severely traumatized brain following direct regional brain hypothermia therapy: A prospective randomized study. Journal of Innovative Optical Health Sciences, 2014, 9, 115-123.	1.0	21
49	Principles, Anatomical Origin and Applications of Brainwaves: A Review, Our Experience and Hypothesis Related to Microgravity and the Question on Soul. Journal of Biomedical Science and Engineering. 2014, 07, 435-445.	0.4	7
50	From Kratom to mitragynine and its derivatives: Physiological and behavioural effects related to use, abuse, and addiction. Neuroscience and Biobehavioral Reviews, 2013, 37, 138-151.	6.1	275
51	Atherothrombotic risk factors in intracerebral haemorrhage (arich) â€” A pilot study. European Journal of Internal Medicine, 2013, 24, e50.	2.2	0
52	Functional MRI, Diffusion Tensor Imaging, Magnetic Source Imaging and Intraoperative Neuromonitoring Guided Brain Tumor Resection in Awake and Under General Anaesthesia. , 2013, , .		4
53	Association of perioperative factor XIII activity levels and other haemostatic markers with the risk of postoperative intracranial haematoma in a selected cohort of neurosurgical patients. Acta Neurochirurgica, 2012, 154, 887-894.	1.7	13
54	Neuronavigation-Guided Endoscopic Management of a Pineal Region Tumour with Obscured Floor of the Third Ventricle: Case Report. Minimally Invasive Neurosurgery, 2011, 54, 125-127.	0.9	3

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55	Brain Waves after Short duration Exercise Induced by Wooden Tooth Brush as a Physical Agent - A Pilot Study. IFMBE Proceedings, 2011, , 480-483.	0.3	0
56	The genetic aetiology of late-onset chronic progressive cerebellar ataxia. Journal of Neurology, 2009, 256, 343-348.	3.6	25
57	P0005 OUTCOME OF PATIENTS WITH INTRACEREBRAL HAEMORRHAGE IN RELATION TO STROKE SUBTYPES AND RISK FACTOR BURDEN. European Journal of Internal Medicine, 2009, 20, S10.	2.2	0
58	Case control analysis of repeat expansion size in ataxia. Neuroscience Letters, 2007, 429, 28-32.	2.1	14
59	Population based study of late onset cerebellar ataxia in south east Wales. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1129-1134.	1.9	59
60	Task specific focal dystonia: a presentation of spinocerebellar ataxia type 6. Journal of Neurology, Neurosurgery and Psychiatry, 2003, 74, 1444-1445.	1.9	17
61	Neurointensive Care Monitoring for Severe Traumatic Brain Injury. , 0, , .		4
62	A study on optimal concentrations of isodiospyrin putative inhibitory actions against exonic splicing enhancers of Dystrophin gene exon 53 skipping in Duchenne Muscular Dystrophy. Frontiers in Cellular Neuroscience, 0, 10, .	3.7	0
63	Acute stress induces voluntary alcohol intake in mice through anxiety mitigated by toll-like receptor 4 antagonist. Frontiers in Pharmacology, 0, 9, .	3.5	0
64	Fundamental Filters Performances Based on Window Sizes for T2-Weighted MRI Images. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
65	Neuroprotective Potentials of Natural Vitamin E for Cerebral Small Vessel Disease. , 0, , .		0
66	A Mini-Review on Neural Correlate of the Holy Quran Research and its Potential as a Psycho-Spiritual Therapy. SSRN Electronic Journal, 0, , .	0.4	0
67	The Cerebral Plasticity Prospect of Stingless Bee Honey-Polyphenols Supplementation in Rehabilitation of Post-Stroke Vascular Cognitive Impairment. , 0, , .		0