

# Mustapha Muzaimi

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,047  
citations

516561

16  
h-index

454834

30  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Kratom to mitragynine and its derivatives: Physiological and behavioural effects related to use, abuse, and addiction. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 138-151.	2.9	275
2	Population based study of late onset cerebellar ataxia in south east Wales. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004, 75, 1129-1134.	0.9	59
3	Automatic contrast enhancement of brain MR images using Average Intensity Replacement based on Adaptive Histogram Equalization (AIR-AHE). <i>Biocybernetics and Biomedical Engineering</i> , 2017, 37, 24-34.	3.3	50
4	Effect of tualang honey against KA-induced oxidative stress and neurodegeneration in the cortex of rats. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 31.	3.7	42
5	Time course of motor and cognitive functions after chronic cerebral ischemia in rats. <i>Behavioural Brain Research</i> , 2014, 275, 252-258.	1.2	40
6	Chronic mitragynine (kratom) enhances punishment resistance in natural reward seeking and impairs place learning in mice. <i>Addiction Biology</i> , 2017, 22, 967-976.	1.4	40
7	Cerebral Small Vessel Disease (CSVD) – Lessons From the Animal Models. <i>Frontiers in Physiology</i> , 2019, 10, 1317.	1.3	40
8	Anxiolytic-like effects of mitragynine in the open-field and elevated plus-maze tests in rats. <i>Journal of Physiological Sciences</i> , 2014, 64, 161-169.	0.9	39
9	Evaluating Denoising Performances of Fundamental Filters for T2-Weighted MRI Images. <i>Procedia Computer Science</i> , 2015, 60, 760-768.	1.2	36
10	Kainic Acid-Induced Excitotoxicity Experimental Model: Protective Merits of Natural Products and Plant Extracts. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-15.	0.5	26
11	The genetic aetiology of late-onset chronic progressive cerebellar ataxia. <i>Journal of Neurology</i> , 2009, 256, 343-348.	1.8	25
12	Role of Purinergic Signalling in Endothelial Dysfunction and Thrombo-Inflammation in Ischaemic Stroke and Cerebral Small Vessel Disease. <i>Biomolecules</i> , 2021, 11, 994.	1.8	24
13	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.	0.2	23
14	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. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 9, 115-123.	0.5	21
15	Tualang Honey Reduced Neuroinflammation and Caspase-3 Activity in Rat Brain after Kainic Acid-Induced Status Epilepticus. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-16.	0.5	19
16	Hypoxia-Induced Neuroinflammation in Alzheimer's Disease: Potential Neuroprotective Effects of <i>Centella asiatica</i> . <i>Frontiers in Physiology</i> , 2021, 12, 712317.	1.3	19
17	Polysaccharide-Based Hydrogels for Microencapsulation of Stem Cells in Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 735090.	2.0	19
18	Task specific focal dystonia: a presentation of spinocerebellar ataxia type 6. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003, 74, 1444-1445.	0.9	17

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19	Neuropharmacological potentials of $\hat{1}^2$ -carboline alkaloids for neuropsychiatric disorders. <i>European Journal of Pharmacology</i> , 2021, 893, 173837.	1.7	16
20	COVID-19 Infection and Circulating Microparticlesâ€”Reviewing Evidence as Microthrombogenic Risk Factor for Cerebral Small Vessel Disease. <i>Molecular Neurobiology</i> , 2021, 58, 4188-4215.	1.9	16
21	Effective Connectivity for Default Mode Network Analysis of Alcoholism. <i>Brain Connectivity</i> , 2021, 11, 12-29.	0.8	15
22	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.	1.0	15
23	Case control analysis of repeat expansion size in ataxia. <i>Neuroscience Letters</i> , 2007, 429, 28-32.	1.0	14
24	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. <i>Acta Neurochirurgica</i> , 2012, 154, 887-894.	0.9	13
25	New image enhancement technique for WMH segmentation of MRI FLAIR image. , 2016, , .		12
26	Tualang Honey Protects the Rat Midbrain and Lung against Repeated Paraquat Exposure. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	12
27	Neuroinflammation and COVID-19 Ischemic Stroke Recoveryâ€”Evolving Evidence for the Mediating Roles of the ACE2/Angiotensin-(1 $\hat{1}$ $\hat{7}$ )/Mas Receptor Axis and NLRP3 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3085.	1.8	12
28	Mitragynine (Kratom)-Induced Cognitive Impairments in Mice Resemble $\hat{1}^9$ -THC and Morphine Effects: Reversal by Cannabinoid CB1 Receptor Antagonism. <i>Frontiers in Pharmacology</i> , 2021, 12, 708055.	1.6	11
29	An Inâ€”Laboratory Validity and Reliability Tested System for Quantifying Handâ€”Arm Tremor in Motions. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 460-467.	2.7	10
30	TUALANG HONEY ATTENUATES KAINIC ACID-INDUCED OXIDATIVE STRESS IN RAT CEREBELLUM AND BRAINSTEM. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017, 9, 155.	0.3	9
31	Goofballing of Opioid and Methamphetamine: The Science Behind the Deadly Cocktail. <i>Frontiers in Pharmacology</i> , 2022, 13, 859563.	1.6	8
32	Principles, Anatomical Origin and Applications of Brainwaves: A Review, Our Experience and Hypothesis Related to Microgravity and the Question on Soul. <i>Journal of Biomedical Science and Engineering</i> , 2014, 07, 435-445.	0.2	7
33	Diets and Cellular-Derived Microparticles: Weighing a Plausible Link With Cerebral Small Vessel Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 632131.	1.1	6
34	Aberrant Neurogliovascular Unit Dynamics in Cerebral Small Vessel Disease: A Rheological Clue to Vascular Parkinsonism. <i>Pharmaceutics</i> , 2021, 13, 1207.	2.0	6
35	Microgravity environment and compensatory: Decompensatory phases for intracranial hypertension form new perspectives to explain mechanism underlying communicating hydrocephalus and its related disorders. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 9, 7.	0.5	6
36	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.	0.3	5

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37	Elevated Circulating Microparticle Subpopulations in Incidental Cerebral White Matter Hyperintensities: A Multimodal Study. <i>Brain Sciences</i> , 2021, 11, 133.	1.1	5
38	Neurointensive Care Monitoring for Severe Traumatic Brain Injury. , 0, , .		4
39	Functional MRI, Diffusion Tensor Imaging, Magnetic Source Imaging and Intraoperative Neuromonitoring Guided Brain Tumor Resection in Awake and Under General Anaesthesia. , 2013, , .		4
40	Neuronavigation-Guided Endoscopic Management of a Pineal Region Tumour with Obscured Floor of the Third Ventricle: Case Report. <i>Minimally Invasive Neurosurgery</i> , 2011, 54, 125-127.	0.9	3
41	Assessing intensity of white matter hyperintensity and normal appearing white matter in healthy adults. , 2016, , .		3
42	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. <i>Health Science Reports</i> , 2018, 1, e27.	0.6	3
43	Biomechanical System Versus Observational Rating Scale for Parkinson's Disease Tremor Assessment. <i>Scientific Reports</i> , 2019, 9, 8117.	1.6	3
44	Determinants of Mortality in First-Ever Stroke Patients in the Suburban Malaysia: A Retrospective Hospital-Based Study, 2005-2011. <i>Iranian Journal of Public Health</i> , 2015, 44, 1291-3.	0.3	3
45	Reduced cerebral vascular fractal dimension among asymptomatic individuals as a potential biomarker for cerebral small vessel disease. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
46	THE AUTOMATED SEGMENTATION TECHNIQUES OF T2-WEIGHTED MRI IMAGES USING K-MEANS CLUSTERING AND OTSU-BASED THRESHOLDING METHOD. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	2
47	A New Technique for K-Means Cluster Centers Initialization of WMH Segmentation. , 2017, , .		2
48	Ratio of Nitric Oxide Metabolite Levels in Cerebrospinal Fluid and Serum, and Their Correlation with Severity and Outcome in Patients with Subarachnoid Haemorrhage. <i>The Malaysian Journal of Medical Sciences</i> , 2021, 28, 42-54.	0.3	2
49	An automated multimodal white matter hyperintensity identification for MRI images using image processing. , 2017, , .		1
50	Commemorating the 40-Year Journey of the School of Medical Sciences, Universiti Sains Malaysia. <i>The Malaysian Journal of Medical Sciences</i> , 2019, 26, 1-7.	0.3	1
51	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.	0.8	1
52	P0005 OUTCOME OF PATIENTS WITH INTRACEREBRAL HAEMORRHAGE IN RELATION TO STROKE SUBTYPES AND RISK FACTOR BURDEN. <i>European Journal of Internal Medicine</i> , 2009, 20, S10.	1.0	0
53	Atherothrombotic risk factors in intracerebral haemorrhage (arich) â€” A pilot study. <i>European Journal of Internal Medicine</i> , 2013, 24, e50.	1.0	0
54	New Features Extraction Based on MRI Brain White Matter and Small Vessel Stroke Predisposition for Neural Network Input Classification. , 2015, , .		0

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55	Neurotechnological Advances in Exploring Melodic Recitation of the Noble Qur��n: Uncovering the Neural Circuitry in the Human Brain. , 2016, , 229-235.		0
56	Classification and grading of white matter hyperintensity severity by using automated detection. , 2017, , .		0
57	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.	0.3	0
58	Comparison of Super Resolution Methods in Magnetic Resonance Images for Small Animals. , 2019, , .		0
59	Neuroprotective effect of agomelatine in rat model of psychosis: Behavioural and histological evidence. Journal of Affective Disorders Reports, 2021, 3, 100070.	0.9	0
60	Brain Waves after Short duration Exercise Induced by Wooden Tooth Brush as a Physical Agent - A Pilot Study. IFMBE Proceedings, 2011, , 480-483.	0.2	0
61	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, .	1.8	0
62	Acute stress induces voluntary alcohol intake in mice through anxiety mitigated by toll-like receptor 4 antagonist. Frontiers in Pharmacology, 0, 9, .	1.6	0
63	Malaysian Society of Neurosciences (MSN) �� Asian and Oceanian Myology Centre (AOMC) Annual Scientific Meeting 2018. Neuroscience Research Notes, 2018, 1, 15-20.	0.5	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