

# Mohmad Farooq Shaikh

## List of Publications by Citations

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80  
papers

1,185  
citations

19  
h-index

31  
g-index

105  
ext. papers

1,738  
ext. citations

4.8  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
80	HMGB1: A Common Biomarker and Potential Target for TBI, Neuroinflammation, Epilepsy, and Cognitive Dysfunction. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 628	5.1	126
79	Enlightening the role of high mobility group box 1 (HMGB1) in inflammation: Updates on receptor signalling. <i>European Journal of Pharmacology</i> , <b>2019</b> , 858, 172487	5.3	76
78	AMPA receptor GluA2 subunit defects are a cause of neurodevelopmental disorders. <i>Nature Communications</i> , <b>2019</b> , 10, 3094	17.4	76
77	Impact of HMGB1, RAGE, and TLR4 in Alzheimer's Disease (AD): From Risk Factors to Therapeutic Targeting. <i>Cells</i> , <b>2020</b> , 9,	7.9	70
76	Role of inflammation in epilepsy and neurobehavioral comorbidities: Implication for therapy. <i>European Journal of Pharmacology</i> , <b>2018</b> , 837, 145-155	5.3	61
75	Zebrafish as a Model for Epilepsy-Induced Cognitive Dysfunction: A Pharmacological, Biochemical and Behavioral Approach. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 515	5.6	53
74	High mobility group box 1 (HMGB1) as a novel frontier in epileptogenesis: from pathogenesis to therapeutic approaches. <i>Journal of Neurochemistry</i> , <b>2019</b> , 151, 542-557	6	51
73	Zebrafish: A Versatile Animal Model for Fertility Research. <i>BioMed Research International</i> , <b>2016</b> , 2016, 9732780	3	38
72	Amelioration of Cognitive Deficit by Embelin in a Scopolamine-Induced Alzheimer's Disease-Like Condition in a Rat Model. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 665	5.6	32
71	Alcohol Use Disorder, Neurodegeneration, Alzheimer's and Parkinson's Disease: Interplay Between Oxidative Stress, Neuroimmune Response and Excitotoxicity. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 282	6.1	31
70	Characterization of anticonvulsant and antiepileptogenic potential of thymol in various experimental models. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2014</b> , 387, 59-66	3.4	30
69	Plant Derived Phytocompound, Embelin in CNS Disorders: A Systematic Review. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 76	5.6	29
68	Embelin Prevents Seizure and Associated Cognitive Impairments in a Pentylentetrazole-Induced Kindling Zebrafish Model. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 315	5.6	28
67	HMGB1-Mediated Neuroinflammatory Responses in Brain Injuries: Potential Mechanisms and Therapeutic Opportunities. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	25
66	Anticonvulsant screening of luteolin in four mouse seizure models. <i>Neuroscience Letters</i> , <b>2013</b> , 550, 195-199	3.3	24
65	Potential Neuroprotective Effect of the HMGB1 Inhibitor Glycyrrhizin in Neurological Disorders. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 485-500	5.7	23
64	Emerging neuroprotective effect of metformin in Parkinson's disease: A molecular crosstalk. <i>Pharmacological Research</i> , <b>2020</b> , 152, 104593	10.2	23

63	Leaf Extract Affects TNF- $\alpha$ and Seizures in a Zebrafish Model. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 139	5.6	22
62	Effect of newer anti-epileptic drugs (AEDs) on the cognitive status in pentylenetetrazol induced seizures in a zebrafish model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 92, 483-493	5.5	21
61	PDKK mutations cause polyneuropathy responsive to pyridoxal 5-phosphate supplementation. <i>Annals of Neurology</i> , <b>2019</b> , 86, 225-240	9.4	18
60	Embelin Improves the Spatial Memory and Hippocampal Long-Term Potentiation in a Rat Model of Chronic Cerebral Hypoperfusion. <i>Scientific Reports</i> , <b>2019</b> , 9, 14507	4.9	18
59	Fractalkine (CX3CL1) signaling and neuroinflammation in Parkinson's disease: Potential clinical and therapeutic implications. <i>Pharmacological Research</i> , <b>2020</b> , 158, 104930	10.2	18
58	Acute toxicity profiling of the ethyl acetate fraction of seeds and - neuroprotection studies. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 196-205	4.4	16
57	Effect of Eclipta alba on Acute Seizure Models: a GABAA-mediated Effect. <i>Indian Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 75, 380-4	1.5	15
56	Pilocarpine Induced Behavioral and Biochemical Alterations in Chronic Seizure-Like Condition in Adult Zebrafish. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	14
55	Biallelic mutations in neurofascin cause neurodevelopmental impairment and peripheral demyelination. <i>Brain</i> , <b>2019</b> , 142, 2948-2964	11.2	13
54	Treatment, Therapy and Management of Metabolic Epilepsy: A Systematic Review. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12
53	Gut Microbiota and Epilepsy: A Systematic Review on Their Relationship and Possible Therapeutics. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 3488-3498	5.7	12
52	Embelin, a Potent Molecule for Alzheimer's Disease: A Proof of Concept From Blood-Brain Barrier Permeability, Acetylcholinesterase Inhibition and Molecular Docking Studies. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 495	5.1	11
51	Tau Related Pathways as a Connecting Link between Epilepsy and Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4199-4212	5.7	10
50	Increased ACh-Associated Immunoreactivity in Autonomic Centers in PTZ Kindling Model of Epilepsy. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	10
49	Animal Models of Metabolic Epilepsy and Epilepsy Associated Metabolic Dysfunction: A Systematic Review. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	9
48	Flotillin: A Promising Biomarker for Alzheimer's Disease. <i>Journal of Personalized Medicine</i> , <b>2020</b> , 10,	3.6	8
47	Lymphocyte-Activation Gene 3 (LAG3) Protein as a Possible Therapeutic Target for Parkinson's Disease: Molecular Mechanisms Connecting Neuroinflammation to $\alpha$ -Synuclein Spreading Pathology. <i>Biology</i> , <b>2020</b> , 9,	4.9	8
46	Implication of HMGB1 signaling pathways in Amyotrophic lateral sclerosis (ALS): From molecular mechanisms to pre-clinical results. <i>Pharmacological Research</i> , <b>2020</b> , 156, 104792	10.2	8

45	A Systematic Review on Non-mammalian Models in Epilepsy Research. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 655	5.6	8
44	From the Molecular Mechanism to Pre-clinical Results: Anti-epileptic Effects of Fingolimod. <i>Current Neuropharmacology</i> , <b>2020</b> , 18, 1126-1137	7.6	8
43	Pivotal Role of Fyn Kinase in Parkinson's Disease and Levodopa-Induced Dyskinesia: a Novel Therapeutic Target?. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 1372-1391	6.2	8
42	Protective Effect of Natural Products against Huntington's Disease: An Overview of Scientific Evidence and Understanding Their Mechanism of Action. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 391-418	5.7	8
41	The Gut-Brain-Axis on the Manifestation of Depressive Symptoms in Epilepsy: An Evidence-Driven Hypothesis. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 465	5.6	7
40	The impact of epilepsy on the manifestation of anxiety disorder. <i>International Journal of Nutrition, Pharmacology, Neurological Diseases</i> , <b>2016</b> , 6, 3	0.8	7
39	Role of Innate Immune Receptor TLR4 and its endogenous ligands in epileptogenesis. <i>Pharmacological Research</i> , <b>2020</b> , 160, 105172	10.2	6
38	Ethanol Extract Improves Memory in Scopolamine-Induced Amnesia Model. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1216	5.6	6
37	Tumor Necrosis Factor- $\alpha$ the Pathological Key to Post-Traumatic Epilepsy: A Comprehensive Systematic Review. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 1900-1908	5.7	5
36	Proteins Alleviate Pentylentetrazol-Induced Seizures in Zebrafish. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	5
35	Effects of leaf extract on lipopolysaccharide -induced neuroinflammation in rats: A behavioral and H NMR-based metabolomics study. <i>Avicenna Journal of Phytomedicine</i> , <b>2019</b> , 9, 164-186	1.4	5
34	Embelin Protects Against Acute Pentylentetrazole-Induced Seizures and Positively Modulates Cognitive Function in Adult Zebrafish. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1249	5.6	4
33	Revisiting the Impact of Neurodegenerative Proteins in Epilepsy: Focus on Alpha-Synuclein, Beta-Amyloid, and Tau. <i>Biology</i> , <b>2020</b> , 9,	4.9	4
32	Anti-High Mobility Group Box-1 Monoclonal Antibody Attenuates Seizure-Induced Cognitive Decline by Suppressing Neuroinflammation in an Adult Zebrafish Model. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 613009	5.6	4
31	Naturally Occurring HMGB1 Inhibitor, Glycyrrhizin, Modulates Chronic Seizures-Induced Memory Dysfunction in Zebrafish Model. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 3288-3302	5.7	4
30	Alcohol, Aggression, and Violence: From Public Health to Neuroscience.. <i>Frontiers in Psychology</i> , <b>2021</b> , 12, 699726	3.4	4
29	Effect of Pelargonidin isolated from L. on phenotypic changes in zebrafish (Danio rerio) embryos. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 249-257	4.4	3
28	Standardized Extract Reverses Streptozotocin-induced Alzheimer's Disease-Like Condition in a Rat Model. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	3

27	Melatonin receptor agonist L. ameliorates dexamethasone-induced early life stress in adult zebrafish. <i>Experimental and Therapeutic Medicine</i> , <b>2019</b> , 18, 1407-1416	2.1	3
26	The anti-neuroinflammatory effects of Clinacanthus nutans leaf extract on metabolism elucidated through 1H NMR in correlation with cytokines microarray. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238503	3.7	3
25	Elucidating the Potential Side Effects of Current Anti-Seizure Drugs for Epilepsy. <i>Current Neuropharmacology</i> , <b>2021</b> , 19, 1865-1883	7.6	3
24	Reverse Pharmacology: Fast Track Path of Drug Discovery. <i>Pharmacy &amp; Pharmacology International Journal</i> , <b>2016</b> , 4,	0.7	2
23	Molecules of Interest [Karanjin] A Review. <i>Pharmacognosy Journal</i> , <b>2020</b> , 12, 938-945	1.6	2
22	Impact of the COVID-19 Lockdown in Malaysia: An Examination of the Psychological Well-Being of Parent-Child Dyads and Child Behavior in Families With Children on the Autism Spectrum. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 733905	5	2
21	Immunoreactivity of Muscarinic Acetylcholine M2 and Serotonin 5-HT2B Receptors, Norepinephrine Transporter and Kir Channels in a Model of Epilepsy. <i>Life</i> , <b>2021</b> , 11,	3	2
20	Melatonin as an Antiepileptic Molecule: Therapeutic Implications via Neuroprotective and Inflammatory Mechanisms. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 1281-1292	5.7	2
19	Cardiorespiratory findings in epilepsy: A recent review on outcomes and pathophysiology. <i>Journal of Neuroscience Research</i> , <b>2021</b> , 99, 2059-2073	4.4	2
18	The utilization of small non-mammals in traumatic brain injury research: A systematic review. <i>CNS Neuroscience and Therapeutics</i> , <b>2021</b> , 27, 381-402	6.8	2
17	An Interplay Between Post-Traumatic Epilepsy and Associated Cognitive Decline: A Systematic Review.. <i>Frontiers in Neurology</i> , <b>2022</b> , 13, 827571	4.1	2
16	A Systematic Review of the Protective Actions of Cat's Whiskers (Misai Kucing) on the Central Nervous System. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 692	5.6	1
15	Nanotechnological Approaches for Management of NeuroAIDS <b>2019</b> , 165-196		1
14	A Review on Natural Therapy for Seizure Disorders. <i>Pharmacy &amp; Pharmacology International Journal</i> , <b>2015</b> , 3,	0.7	1
13	Evaluation of Anti-Convulsive Properties of Aqueous Kava Extract on Zebrafish Using the PTZ-Induced Seizure Model. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	1
12	Re-visiting pH-adjusted potassium to avoid hypokalemic crisis during management of diabetic ketoacidosis: A conceptual framework. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , <b>2021</b> , 15, 573-580	8.9	1
11	Multi-Platform Metabolomics Analyses Revealed the Complexity of Serum Metabolites in LPS-Induced Neuroinflamed Rats Treated with Aqueous Extract. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 629561	5.6	1
10	Inflammation: Cause or Consequence of Epilepsy? <b>2019</b> ,		1

9	Mechanism of and Its Neuroactive Components for the Management of Epileptic Seizures: A Systematic Review. <i>Current Neuropharmacology</i> , <b>2021</b> , 19, 1496-1518	7.6	1
8	Identification of curcumin analogues with anti-seizure potential in vivo using chemical and genetic zebrafish larva seizure models. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 142, 112035	7.5	1
7	Embelin prevents amyloid-beta accumulation via modulation of SOD1 in a Streptozotocin-induced AD-like condition: An evidence from in vitro investigation. <i>Current Research in Neurobiology</i> , <b>2022</b> , 3, 100032	0	1
6	Epilepsy-associated comorbidities among adults: A plausible therapeutic role of gut microbiota.. <i>Neurobiology of Disease</i> , <b>2022</b> , 165, 105648	7.5	0
5	Mapping the role of pH-adjusted potassium in diabetic ketoacidosis: Hypokalemia and the patient outcomes. <i>International Journal of Clinical Practice</i> , <b>2021</b> , 75, e14315	2.9	0
4	Protects Against PTZ-Induced Seizures in LPS Pre-conditioned Zebrafish Model.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 821618	5.6	0
3	Methods to Investigate Seizures and Associated Cognitive Decline Using Zebrafish Model. <i>Neuromethods</i> , <b>2021</b> , 221-232	0.4	
2	ANTIOXIDANT CAPABILITIES OF <i>Litsea garciae</i> BARK EXTRACTS AND THEIR RELATION TO THE PHYTOCHEMICAL COMPOSITIONS <b>2022</b> , 51, 99-118		
1	Unlocking sociocultural and community factors for the global adoption of genomic medicine.. <i>Orphanet Journal of Rare Diseases</i> , <b>2022</b> , 17, 191	4.2	