

# Fawad Ali Shah

## List of Publications by Year in descending order

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73  
papers

2,213  
citations

201674

27  
h-index

265206

42  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin prevents neuroinflammation and relieves depression by attenuating autophagy impairment through FOXO3a regulation. <i>Journal of Pineal Research</i> , 2020, 69, e12667.	7.4	182
2	Simvastatin-loaded solid lipid nanoparticles for enhanced anti-hyperlipidemic activity in hyperlipidemia animal model. <i>International Journal of Pharmaceutics</i> , 2019, 560, 136-143.	5.2	100
3	Potential of nanoparticulate carriers for improved drug delivery via skin. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 485-517.	5.3	100
4	Ibrutinib alleviates LPS-induced neuroinflammation and synaptic defects in a mouse model of depression. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 10-24.	4.1	98
5	Matrine ameliorates anxiety and depression-like behaviour by targeting hyperammonemia-induced neuroinflammation and oxidative stress in CCl4 model of liver injury. <i>NeuroToxicology</i> , 2019, 72, 38-50.	3.0	85
6	Melatonin ameliorates cognitive deficits through improving mitophagy in a mouse model of Alzheimer's disease. <i>Journal of Pineal Research</i> , 2021, 71, e12774.	7.4	72
7	Acute dose of melatonin via Nrf2 dependently prevents acute ethanol-induced neurotoxicity in the developing rodent brain. <i>Journal of Neuroinflammation</i> , 2018, 15, 119.	7.2	63
8	Mucoprotective effects of Saikosaponin-A in 5-fluorouracil-induced intestinal mucositis in mice model. <i>Life Sciences</i> , 2019, 239, 116888.	4.3	60
9	Pathological Comparisons of the Hippocampal Changes in the Transient and Permanent Middle Cerebral Artery Occlusion Rat Models. <i>Frontiers in Neurology</i> , 2019, 10, 1178.	2.4	60
10	Nanostructured lipid carriers-mediated brain delivery of carbamazepine for improved in vivo anticonvulsant and anxiolytic activity. <i>International Journal of Pharmaceutics</i> , 2020, 577, 119033.	5.2	60
11	Ultrasound with microbubbles improves memory, ameliorates pathology and modulates hippocampal proteomic changes in a triple transgenic mouse model of Alzheimer's disease. <i>Theranostics</i> , 2020, 10, 11794-11819.	10.0	55
12	Potential and Applications of Nanocarriers for Efficient Delivery of Biopharmaceuticals. <i>Pharmaceutics</i> , 2020, 12, 1184.	4.5	55
13	Identification of Proteins Differentially Expressed in the Striatum by Melatonin in a Middle Cerebral Artery Occlusion Rat Model—a Proteomic and in silico Approach. <i>Frontiers in Neuroscience</i> , 2018, 12, 888.	2.8	53
14	Polydatin Attenuates Neuronal Loss via Reducing Neuroinflammation and Oxidative Stress in Rat MCAO Models. <i>Frontiers in Pharmacology</i> , 2019, 10, 663.	3.5	52
15	Melatonin Act as an Antidepressant via Attenuation of Neuroinflammation by Targeting Sirt1/Nrf2/HO-1 Signaling. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 96.	2.9	49
16	Succinamide Derivatives Ameliorate Neuroinflammation and Oxidative Stress in Scopolamine-Induced Neurodegeneration. <i>Biomolecules</i> , 2020, 10, 443.	4.0	47
17	Fluoxetine regulates eEF2 activity (phosphorylation) via HDAC1 inhibitory mechanism in an LPS-induced mouse model of depression. <i>Journal of Neuroinflammation</i> , 2021, 18, 38.	7.2	46
18	NF- $\kappa$ B Inhibitors Attenuate MCAO Induced Neurodegeneration and Oxidative Stress—a Reprofile Approach. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 33.	2.9	43

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19	Melatonin Protects MCAO-Induced Neuronal Loss via NR2A Mediated Prosurvival Pathways. <i>Frontiers in Pharmacology</i> , 2019, 10, 297.	3.5	42
20	Solid lipid nanoparticles-mediated enhanced antidepressant activity of duloxetine in lipopolysaccharide-induced depressive model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111209.	5.0	42
21	Low-dose oral copper treatment changes the hippocampal phosphoproteomic profile and perturbs mitochondrial function in a mouse model of Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2019, 135, 144-156.	2.9	40
22	Post-Treatment of Synthetic Polyphenolic 1,3,4 Oxadiazole Compound A3, Attenuated Ischemic Stroke-Induced Neuroinflammation and Neurodegeneration. <i>Biomolecules</i> , 2020, 10, 816.	4.0	39
23	&lt;p&gt;Neuroprotective effects of melatonin and celecoxib against ethanol-induced neurodegeneration: a computational and pharmacological approach&lt;p&gt;. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 2715-2727.	4.3	37
24	Enhanced neuroprotective and antidepressant activity of curcumin-loaded nanostructured lipid carriers in lipopolysaccharide-induced depression and anxiety rat model. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120670.	5.2	36
25	Potent Natural Antioxidant Carveol Attenuates MCAO-Stress Induced Oxidative, Neurodegeneration by Regulating the Nrf-2 Pathway. <i>Frontiers in Neuroscience</i> , 2020, 14, 659.	2.8	35
26	Benzimidazole Containing Acetamide Derivatives Attenuate Neuroinflammation and Oxidative Stress in Ethanol-Induced Neurodegeneration. <i>Biomolecules</i> , 2020, 10, 108.	4.0	34
27	Natural Dietary Supplement, Carvacrol, Alleviates LPS-Induced Oxidative Stress, Neurodegeneration, and Depressive-Like Behaviors via the Nrf2/HO-1 Pathway. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 1313-1329.	3.5	32
28	Alpha-Linolenic Acid Impedes Cadmium-Induced Oxidative Stress, Neuroinflammation, and Neurodegeneration in Mouse Brain. <i>Cells</i> , 2021, 10, 2274.	4.1	30
29	Ginkgo biloba Extract Protects against Methotrexate-Induced Hepatotoxicity: A Computational and Pharmacological Approach. <i>Molecules</i> , 2020, 25, 2540.	3.8	28
30	Tetramethylpyrazine nitrone improves motor dysfunction and pathological manifestations by activating the PGC-1 $\alpha$ /Nrf2/HO-1 pathway in ALS mice. <i>Neuropharmacology</i> , 2021, 182, 108380.	4.1	26
31	A Potent Antioxidant Endogenous Neurohormone Melatonin, Rescued MCAO by Attenuating Oxidative Stress-Associated Neuroinflammation. <i>Frontiers in Pharmacology</i> , 2020, 11, 1220.	3.5	25
32	Repurposing FDA Approved Drugs as JNK3 Inhibitor for Prevention of Neuroinflammation Induced by MCAO in Rats. <i>Journal of Inflammation Research</i> , 2020, Volume 13, 1185-1205.	3.5	24
33	Carveol Attenuates Seizure Severity and Neuroinflammation in Pentylenetetrazole-Kindled Epileptic Rats by Regulating the Nrf2 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	4.0	24
34	Adiponectin alleviated Alzheimer's-like pathologies via autophagy's lysosomal activation. <i>Aging Cell</i> , 2021, 20, e13514.	6.7	24
35	Hepatoprotective effects of melatonin and celecoxib against ethanol-induced hepatotoxicity in rats. <i>Immunopharmacology and Immunotoxicology</i> , 2020, 42, 255-263.	2.4	23
36	R13 preserves motor performance in SOD1 <sup>G93A</sup> mice by improving mitochondrial function. <i>Theranostics</i> , 2021, 11, 7294-7307.	10.0	23

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37	Synthesis and Biological Evaluation of Benzimidazole Derivatives as Potential Neuroprotective Agents in an Ethanol-Induced Rodent Model. <i>ACS Chemical Neuroscience</i> , 2021, 12, 489-505.	3.5	23
38	Anti-depressive-like behaviors of APN KO mice involve Trkb/BDNF signaling related neuroinflammatory changes. <i>Molecular Psychiatry</i> , 2022, 27, 1047-1058.	7.9	23
39	TAT-Modified $\beta$ -Conotoxin MVIIA for Crossing the Blood-Brain Barrier. <i>Marine Drugs</i> , 2019, 17, 286.	4.6	18
40	Proteomic Profiles of the Early Mitochondrial Changes in APP/PS1 and ApoE4 Transgenic Mice Models of Alzheimer's Disease. <i>Journal of Proteome Research</i> , 2019, 18, 2632-2642.	3.7	18
41	Formulation optimization, in vitro and in vivo evaluation of agomelatine-loaded nanostructured lipid carriers for augmented antidepressant effects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112537.	5.0	16
42	The dual-functional memantine nitrate MN $\alpha$ 08 alleviates cerebral vasospasm and brain injury in experimental subarachnoid haemorrhage models. <i>British Journal of Pharmacology</i> , 2019, 176, 3318-3335.	5.4	15
43	Computational and Pharmacological Evaluation of Carveol for Antidiabetic Potential. <i>Frontiers in Pharmacology</i> , 2020, 11, 919.	3.5	15
44	Melatonin abated Bisphenol A-induced neurotoxicity via p53/PUMA/Drp-1 signaling. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17789-17801.	5.3	15
45	Contribution of Attenuation of TNF- $\alpha$ and NF- $\kappa$ B in the Anti-Epileptic, Anti-Apoptotic and Neuroprotective Potential of Rosa webbiana Fruit and Its Chitosan Encapsulation. <i>Molecules</i> , 2021, 26, 2347.	3.8	15
46	Carvacrol Alleviates Hyperuricemia-Induced Oxidative Stress and Inflammation by Modulating the NLRP3/NF- $\kappa$ B Pathway. <i>Drug Design, Development and Therapy</i> , 2022, Volume 16, 1159-1170.	4.3	15
47	Proteomic Profile of Mouse Brain Aging Contributions to Mitochondrial Dysfunction, DNA Oxidative Damage, Loss of Neurotrophic Factor, and Synaptic and Ribosomal Proteins. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-21.	4.0	14
48	In Vivo, Proteomic, and In Silico Investigation of Sapodilla for Therapeutic Potential in Gastrointestinal Disorders. <i>BioMed Research International</i> , 2019, 2019, 1-19.	1.9	13
49	Xanthohumol Attenuates Lipopolysaccharide-Induced Depressive Like Behavior in Mice: Involvement of NF- $\kappa$ B/Nrf2 Signaling Pathways. <i>Neurochemical Research</i> , 2021, 46, 3135-3148.	3.3	13
50	Neuroprotective effects of carnosine-loaded elastic liposomes in cerebral ischemia rat model. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 373-381.	5.3	12
51	Carveol a Naturally-Derived Potent and Emerging Nrf2 Activator Protects Against Acetaminophen-Induced Hepatotoxicity. <i>Frontiers in Pharmacology</i> , 2020, 11, 621538.	3.5	11
52	Acetyl-L-Carnitine Ameliorates Metabolic and Endocrine Alterations in Women with PCOS: A Double-Blind Randomized Clinical Trial. <i>Advances in Therapy</i> , 2021, 38, 3842-3856.	2.9	10
53	1,3,4, Oxadiazole Compound A3 Provides Robust Protection Against PTZ-Induced Neuroinflammation and Oxidative Stress by Regulating Nrf2-Pathway. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 7393-7409.	3.5	10
54	Mitochondriomics reveals the underlying neuroprotective mechanism of TrkB receptor agonist R13 in the 5 $\alpha$ -FAD mice. <i>Neuropharmacology</i> , 2022, 204, 108899.	4.1	9

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55	Carveol Promotes Nrf2 Contribution in Depressive Disorders through an Anti-inflammatory Mechanism. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	4.0	9
56	Uncoupling DISC1 – D2R Protein-Protein Interactions Facilitates Latent Inhibition in Disc1-L100P Animal Model of Schizophrenia and Enhances Synaptic Plasticity via D2 Receptors. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 31.	2.5	8
57	Loganin substantially ameliorates molecular deficits, pathologies and cognitive impairment in a mouse model of Alzheimer's disease. <i>Aging</i> , 2021, 13, 23739-23756.	3.1	8
58	Benzimidazole Derivatives as New Potential NLRP3 Inflammasome Inhibitors That Provide Neuroprotection in a Rodent Model of Neurodegeneration and Memory Impairment. <i>Journal of Inflammation Research</i> , 0, Volume 15, 3873-3890.	3.5	7
59	Antihyperlipidemic effect of selected pyrimidine derivatives mediated through multiple pathways. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 1119-1132.	1.9	6
60	Proteomic Analysis and In Vivo Studies Reveal the Potential Gastroprotective Effects of CHCl <sub>3</sub> and Aqueous Extracts of <i>Ficus palmata</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	1.2	6
61	Structural and Lipidomic Alterations of Striatal Myelin in 16p11.2 Deletion Mouse Model of Autism Spectrum Disorder. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 718720.	3.7	6
62	Correlation of plasma kisspeptin with total testosterone levels in smokeless tobacco and smoking tobacco users in a healthy cohort: A cross-sectional study. <i>Andrologia</i> , 2019, 51, e13409.	2.1	5
63	Proteomic Study Reveals the Involvement of Energy Metabolism in the Fast Antidepressant Effect of (2R, 6R)-Hydroxy Norketamine. <i>Proteomics - Clinical Applications</i> , 2020, 14, e1900094.	1.6	5
64	Identification of novel and potential PPAR $\beta$ stimulators as repurposed drugs for MCAO associated brain degeneration. <i>Toxicology and Applied Pharmacology</i> , 2022, 446, 116055.	2.8	5
65	Thiazolidine Derivatives Attenuate Carrageenan-Induced Inflammatory Pain in Mice. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 369-384.	4.3	4
66	The effects of tobacco and cannabis use on semen and endocrine parameters in infertile males. <i>Human Fertility</i> , 2023, 26, 564-572.	1.7	3
67	Manganese exposure causes movement deficit and changes in the protein profile of the external globus pallidus in Sprague Dawley rats. <i>Toxicology and Industrial Health</i> , 2021, 37, 715-726.	1.4	3
68	Menthol Flavor in E-Cigarette Vapor Modulates Social Behavior Correlated With Central and Peripheral Changes of Immunometabolic Signalings. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 800406.	2.9	3
69	Amino Acid Conjugates of Amino-thiazole and Aminopyridine as Potential Anticancer Agents: Synthesis, Molecular Docking and in vitro Evaluation. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 1459-1476.	4.3	2
70	Salmon Calcitonin Exerts an Antidepressant Effect by Activating Amylin Receptors. <i>Frontiers in Pharmacology</i> , 2022, 13, 826055.	3.5	2
71	Ibrutinib attenuated DSS-induced ulcerative colitis, oxidative stress, and inflammatory cascade by modulating PI3K/Akt and JNK/NF $\kappa$ B pathways. <i>Archives of Medical Science</i> , 2022, 18, 805-815.	0.9	2
72	Synthesis, In Silico and Pharmacological Evaluation of New Thiazolidine-4-Carboxylic Acid Derivatives Against Ethanol-Induced Neurodegeneration and Memory Impairment. <i>Journal of Inflammation Research</i> , 0, Volume 15, 3643-3660.	3.5	1

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73	Cytotoxic Evaluation and Molecular Docking studies of Aminopyridine derivatives as Potential Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 22, .	1.7	0