

# Mohd Akhtar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

1,016  
citations

19  
h-index

30  
g-index

55  
ext. papers

1,242  
ext. citations

4.2  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
53	Roflumilast Reduces Pathological Symptoms of Sporadic Alzheimer's Disease in Rats Produced by Intracerebroventricular Streptozotocin by Inhibiting NF- $\kappa$ B/BACE-1 Mediated A $\beta$ Production in the Hippocampus and Activating the cAMP/BDNF Signalling Pathway.. <i>Neurotoxicity Research</i> , <b>2022</b> , 1	4.3	0
52	Alendronate reduces the cognitive and neurological disturbances induced by combined doses of d-galactose and aluminum chloride in mice. <i>Journal of Applied Toxicology</i> , <b>2021</b> , 41, 1779-1793	4.1	1
51	Roflumilast and tadalafil improve learning and memory deficits in intracerebroventricular A $\beta$ 1-42 rat model of Alzheimer's disease through modulations of hippocampal cAMP/cGMP/BDNF signaling pathway. <i>Pharmacological Reports</i> , <b>2021</b> , 73, 1287-1302	3.9	3
50	Development, optimisation and evaluation of chitosan nanoparticles of alendronate against Alzheimer's disease in intracerebroventricular streptozotocin model for brain delivery. <i>Journal of Drug Targeting</i> , <b>2021</b> , 29, 199-216	5.4	5
49	Linagliptin, a DPP-4 inhibitor, ameliorates A $\beta$ (1-42) peptides induced neurodegeneration and brain insulin resistance (BIR) via insulin receptor substrate-1 (IRS-1) in rat model of Alzheimer's disease. <i>Neuropharmacology</i> , <b>2021</b> , 195, 108662	5.5	3
48	Empagliflozin nanoparticles attenuates type2 diabetes induced cognitive impairment via oxidative stress and inflammatory pathway in high fructose diet induced hyperglycemic mice. <i>Neurochemistry International</i> , <b>2021</b> , 150, 105158	4.4	4
47	Neuroprotective role of alendronate against APP processing and neuroinflammation in mice fed a high fat diet. <i>Brain Research Bulletin</i> , <b>2020</b> , 161, 197-212	3.9	8
46	Effect of statins on amyloidosis in the rodent models of Alzheimer's disease: Evidence from the preclinical meta-analysis. <i>Brain Research</i> , <b>2020</b> , 1749, 147115	3.7	3
45	Collagen Nanoparticle-Mediated Brain Silymarin Delivery: An Approach for Treating Cerebral Ischemia and Reperfusion-Induced Brain Injury. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 538404	5.1	13
44	Alogliptin reversed hippocampal insulin resistance in an amyloid-beta fibrils induced animal model of Alzheimer's disease. <i>European Journal of Pharmacology</i> , <b>2020</b> , 889, 173522	5.3	5
43	Effect of lacosamide on ethanol induced conditioned place preference and withdrawal associated behavior in mice: Possible contribution of hippocampal CRMP-2. <i>Pharmacological Reports</i> , <b>2019</b> , 71, 804-810	3.9	3
42	Behavioral Experimental Paradigms for the Evaluation of Drug's Influence on Cognitive Functions: Interpretation of Associative, Spatial/Nonspatial and Working Memory. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2019</b> , 18, 185-204	2.6	3
41	Ameliorative effect of alendronate against intracerebroventricular streptozotocin induced alteration in neurobehavioral, neuroinflammation and biochemical parameters with emphasis on A $\beta$ and BACE-1. <i>NeuroToxicology</i> , <b>2019</b> , 70, 122-134	4.4	19
40	Neuroprotective role of astaxanthin in hippocampal insulin resistance induced by A $\beta$ peptides in animal model of Alzheimer's disease. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 110, 47-58	7.5	53
39	A novel therapeutic potential of cysteinyl leukotrienes and their receptors modulation in the neurological complications associated with Alzheimer's disease. <i>European Journal of Pharmacology</i> , <b>2019</b> , 842, 208-220	5.3	18
38	A Natural Phenolic Compound Quercetin Showed the Usefulness by Targeting Inflammatory, Oxidative Stress Markers and Augment 5-HT Levels in One of the Animal Models of Depression in Mice. <i>Drug Research</i> , <b>2019</b> , 69, 392-400	1.8	19
37	Bisphosphonates: Future perspective for neurological disorders. <i>Pharmacological Reports</i> , <b>2018</b> , 70, 900-907	3.97	22

36	High-salt- and cholesterol diet-associated cognitive impairment attenuated by tannins-enriched fraction of <i>Emblca officinalis</i> via inhibiting NF-kB pathway. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 147-156	5.1	12
35	Protective effect of betulinic acid against intracerebroventricular streptozotocin induced cognitive impairment and neuronal damage in rats: Possible neurotransmitters and neuroinflammatory mechanism. <i>Pharmacological Reports</i> , <b>2018</b> , 70, 540-548	3.9	22
34	Formulation and evaluation of nano lipid formulation containing CNS acting drug: molecular docking, in-vitro assessment and bioactivity detail in rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 46-57	6.1	18
33	<i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> Sensitivity/Resistance Pattern Towards Antimicrobial Agents in Primary and Simple Urinary Tract Infection Patients Visiting University Hospital of Jamia Hamdard New Delhi. <i>Drug Research</i> , <b>2018</b> , 68, 415-420	1.8	6
32	A review on therapeutic potentials of <i>Trigonella foenum graecum</i> (fenugreek) and its chemical constituents in neurological disorders: Complementary roles to its hypolipidemic, hypoglycemic, and antioxidant potential. <i>Nutritional Neuroscience</i> , <b>2018</b> , 21, 539-545	3.6	32
31	Tannins Enriched Fraction of Fruits Alleviates High-Salt and Cholesterol Diet-Induced Cognitive Impairment in Rats via Nrf2-ARE Pathway. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 23	5.6	18
30	Betulinic acid, a natural PDE inhibitor restores hippocampal cAMP/cGMP and BDNF, improve cerebral blood flow and recover memory deficits in permanent BCCAO induced vascular dementia in rats. <i>European Journal of Pharmacology</i> , <b>2018</b> , 832, 56-66	5.3	29
29	Rosuvastatin alleviates high-salt and cholesterol diet-induced cognitive impairment in rats via Nrf2-ARE pathway. <i>Redox Report</i> , <b>2018</b> , 23, 168-179	5.9	4
28	Hepatoprotective and antioxidant effects of fish oil on isoniazid-rifampin induced hepatotoxicity in rats. <i>PharmaNutrition</i> , <b>2017</b> , 5, 29-33	2.9	6
27	Formulation by design based risperidone nano soft lipid vesicle as a new strategy for enhanced transdermal drug delivery: In-vitro characterization, and in-vivo appraisal. <i>Materials Science and Engineering C</i> , <b>2017</b> , 75, 1198-1205	8.3	53
26	Nonionic surfactant based thymoquinone loaded nanoproniosomal formulation: in vitro physicochemical evaluation and in vivo hepatoprotective efficacy. <i>Drug Development and Industrial Pharmacy</i> , <b>2017</b> , 43, 1413-1420	3.6	18
25	Vitamin D supplementation for the management of knee osteoarthritis: a systematic review of randomized controlled trials. <i>Rheumatology International</i> , <b>2017</b> , 37, 1489-1498	3.6	24
24	Rosuvastatin Attenuates High-Salt and Cholesterol Diet Induced Neuroinflammation and Cognitive Impairment via Preventing Nuclear Factor KappaB Pathway. <i>Neurochemical Research</i> , <b>2017</b> , 42, 2404-2416	4.6	24
23	<i>Nigella sativa</i> protects against isoproterenol-induced myocardial infarction by alleviating oxidative stress, biochemical alterations and histological damage. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2017</b> , 7, 294-299	1.4	15
22	Gastroprotective Effect of Thymoquinone on Water Immersion Restraint Stress Induced Ulceration in Rats. <i>Drug Research</i> , <b>2017</b> , 67, 366-372	1.8	8
21	Letter to the editor on the article "The effect of vitamin D supplementation on knee osteoarthritis: A meta-analysis of randomized controlled trials". <i>International Journal of Surgery</i> , <b>2017</b> , 48, 309-310	7.5	
20	Lupeol Isolated from <i>Betula alnoides</i> Ameliorates Amyloid Beta Induced Neuronal Damage via Targeting Various Pathological Events and Alteration in Neurotransmitter Levels in Rat Brain. <i>Journal of Neurology and Neuroscience</i> , <b>2017</b> , 08,	0	13
19	Edaravone, a potent free radical scavenger and a calcium channel blocker attenuate isoproterenol induced myocardial infarction by suppressing oxidative stress, apoptotic signaling and ultrastructural damage. <i>Therapeutic Advances in Cardiovascular Disease</i> , <b>2016</b> , 10, 214-23	3.4	19

18	Nanoparticle Based Delivery of Quercetin for the Treatment of Carbon Tetrachloride Mediated Liver Cirrhosis in Rats. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 274-85	4	7
17	Enhancement in the Neuroprotective Power of Riluzole Against Cerebral Ischemia Using a Brain Targeted Drug Delivery Vehicle. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19716-23	9.5	27
16	Histamine H3 receptor antagonists display antischizophrenic activities in rats treated with MK-801. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , <b>2016</b> , 27, 463-71	1.6	10
15	Sodium glucose CoTransporter 2 (SGLT2) inhibitors: Current status and future perspective. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 244-52	5.1	58
14	Potential effects of vildagliptin on biomarkers associated with prothrombosis in diabetes mellitus. <i>Expert Opinion on Therapeutic Targets</i> , <b>2015</b> , 19, 1607-16	6.4	4
13	Benidipine prevents oxidative stress, inflammatory changes and apoptosis related myofibril damage in isoproterenol-induced myocardial infarction in rats. <i>Toxicology Mechanisms and Methods</i> , <b>2015</b> , 25, 26-33	3.6	19
12	Cardioprotective role of H <sub>3</sub> agonist imetit on isoproterenol-induced hemodynamic changes and oxidative stress in rats. <i>Toxicology Mechanisms and Methods</i> , <b>2015</b> , 25, 235-40	3.6	4
11	Neuroprotective effect of guggulipid alone and in combination with aspirin on middle cerebral artery occlusion (MCAO) model of focal cerebral ischemia in rats. <i>Toxicology Mechanisms and Methods</i> , <b>2014</b> , 24, 438-47	3.6	4
10	Neuroprotective study of Nigella sativa-loaded oral provesicular lipid formulation: in vitro and ex vivo study. <i>Drug Delivery</i> , <b>2014</b> , 21, 487-94	7	24
9	Interactions of atenolol with alprazolam/escitalopram on anxiety, depression and oxidative stress. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 117, 79-84	3.9	17
8	Effects of pioglitazone and vildagliptin on coagulation cascade in diabetes mellitus--targeting thrombogenesis. <i>Expert Opinion on Therapeutic Targets</i> , <b>2013</b> , 17, 627-39	6.4	11
7	A comparative study of PNIPAM nanoparticles of curcumin, demethoxycurcumin, and bisdemethoxycurcumin and their effects on oxidative stress markers in experimental stroke. <i>Protoplasma</i> , <b>2013</b> , 250, 1327-38	3.4	68
6	Nanothymoquinone, a novel hepatotargeted delivery system for treating CCl mediated hepatotoxicity in rats. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2956-2966	7.3	7
5	Protective effects of histamine H <sub>3</sub> -receptor ligands in schizophrenic behaviors in experimental models. <i>Pharmacological Reports</i> , <b>2012</b> , 64, 191-204	3.9	35
4	Role of phenolic compounds in peptic ulcer: An overview. <i>Journal of Pharmacy and Bioallied Sciences</i> , <b>2011</b> , 3, 361-7	1.1	131
3	Evaluation of Myrtus communis Linn. berries (common myrtle) in experimental ulcer models in rats. <i>Human and Experimental Toxicology</i> , <b>2010</b> , 29, 935-44	3.4	37
2	Antipsychotic-like profile of thioperamide, a selective H <sub>3</sub> -receptor antagonist in mice. <i>Fundamental and Clinical Pharmacology</i> , <b>2006</b> , 20, 373-8	3.1	31
1	Effect of thioperamide on modified forced swimming test-induced oxidative stress in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2005</b> , 97, 218-21	3.1	18

