

# Puneet Kumar

## List of Publications by Citations

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107  
papers

3,478  
citations

32  
h-index

54  
g-index

112  
ext. papers

4,092  
ext. citations

3.8  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
107	Excitotoxicity: bridge to various triggers in neurodegenerative disorders. <i>European Journal of Pharmacology</i> , <b>2013</b> , 698, 6-18	5.3	424
106	Effect of resveratrol on 3-nitropropionic acid-induced biochemical and behavioural changes: possible neuroprotective mechanisms. <i>Behavioural Pharmacology</i> , <b>2006</b> , 17, 485-92	2.4	124
105	Animal models of inflammatory bowel disease: a review. <i>Inflammopharmacology</i> , <b>2014</b> , 22, 219-33	5.1	121
104	Pleiotropic effects of statins: new therapeutic targets in drug design. <i>Naunyn-Schmiedeberg Archives of Pharmacology</i> , <b>2016</b> , 389, 695-712	3.4	103
103	Protective effect of hesperidin and naringin against 3-nitropropionic acid induced Huntington's like symptoms in rats: possible role of nitric oxide. <i>Behavioural Brain Research</i> , <b>2010</b> , 206, 38-46	3.4	86
102	Role of LOX/COX pathways in 3-nitropropionic acid-induced Huntington's disease-like symptoms in rats: protective effect of licofelone. <i>British Journal of Pharmacology</i> , <b>2011</b> , 164, 644-54	8.6	84
101	Global trends in pesticides: A looming threat and viable alternatives. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 201, 110812	7	83
100	Effect of lycopene and epigallocatechin-3-gallate against 3-nitropropionic acid induced cognitive dysfunction and glutathione depletion in rat: a novel nitric oxide mechanism. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 2522-30	4.7	81
99	Possible neuroprotective mechanisms of curcumin in attenuating 3-nitropropionic acid-induced neurotoxicity. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , <b>2007</b> , 29, 19-25		81
98	Possible neuroprotective effect of Withania somnifera root extract against 3-nitropropionic acid-induced behavioral, biochemical, and mitochondrial dysfunction in an animal model of Huntington's disease. <i>Journal of Medicinal Food</i> , <b>2009</b> , 12, 591-600	2.8	77
97	Therapeutic potential of GABA(B) receptor ligands in drug addiction, anxiety, depression and other CNS disorders. <i>Pharmacology Biochemistry and Behavior</i> , <b>2013</b> , 110, 174-84	3.9	75
96	Huntington's disease: pathogenesis to animal models. <i>Pharmacological Reports</i> , <b>2010</b> , 62, 1-14	3.9	71
95	Possible role of sertraline against 3-nitropropionic acid induced behavioral, oxidative stress and mitochondrial dysfunctions in rat brain. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2009</b> , 33, 100-8	5.5	67
94	Cyclooxygenase inhibition attenuates 3-nitropropionic acid-induced neurotoxicity in rats: possible antioxidant mechanisms. <i>Fundamental and Clinical Pharmacology</i> , <b>2007</b> , 21, 297-306	3.1	64
93	Protective effect of quercetin against ICV colchicine-induced cognitive dysfunctions and oxidative damage in rats. <i>Phytotherapy Research</i> , <b>2008</b> , 22, 1563-9	6.7	62
92	Spermidine ameliorates 3-nitropropionic acid (3-NP)-induced striatal toxicity: Possible role of oxidative stress, neuroinflammation, and neurotransmitters. <i>Physiology and Behavior</i> , <b>2016</b> , 155, 180-7	3.5	56
91	GLT-1 transporter: an effective pharmacological target for various neurological disorders. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 127, 70-81	3.9	56

90	Possible GABAergic mechanism in the neuroprotective effect of gabapentin and lamotrigine against 3-nitropropionic acid induced neurotoxicity. <i>European Journal of Pharmacology</i> , <b>2012</b> , 674, 265-74	5.3	52
89	Neuroprotective effect of cyclosporine and FK506 against 3-nitropropionic acid induced cognitive dysfunction and glutathione redox in rat: possible role of nitric oxide. <i>Neuroscience Research</i> , <b>2009</b> , 63, 302-14	2.9	48
88	Protective Effect of Spermidine Against Excitotoxic Neuronal Death Induced by Quinolinic Acid in Rats: Possible Neurotransmitters and Neuroinflammatory Mechanism. <i>Neurotoxicity Research</i> , <b>2015</b> , 28, 171-84	4.3	47
87	Lycopene modulates nitric oxide pathways against 3-nitropropionic acid-induced neurotoxicity. <i>Life Sciences</i> , <b>2009</b> , 85, 711-8	6.8	43
86	Insight Into the Emerging Role of Striatal Neurotransmitters in the Pathophysiology of Parkinson's Disease and Huntington's Disease: A Review. <i>Current Neuropharmacology</i> , <b>2019</b> , 17, 165-175	7.6	42
85	Protective effect of rivastigmine against 3-nitropropionic acid-induced Huntington's disease like symptoms: possible behavioural, biochemical and cellular alterations. <i>European Journal of Pharmacology</i> , <b>2009</b> , 615, 91-101	5.3	41
84	Protective effect of sesamol against 3-nitropropionic acid-induced cognitive dysfunction and altered glutathione redox balance in rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2010</b> , 107, 577-82	3.1	40
83	Piperine Enhances the Protective Effect of Curcumin Against 3-NP Induced Neurotoxicity: Possible Neurotransmitters Modulation Mechanism. <i>Neurochemical Research</i> , <b>2015</b> , 40, 1758-66	4.6	39
82	Pioglitazone ameliorates behavioral, biochemical and cellular alterations in quinolinic acid induced neurotoxicity: possible role of peroxisome proliferator activated receptor-Upsilon (PPARUpsilon) in Huntington's disease. <i>Pharmacology Biochemistry and Behavior</i> , <b>2010</b> , 96, 115-24	3.9	39
81	Neuroprotective effect of hemeoxygenase-1/glycogen synthase kinase-3 modulators in 3-nitropropionic acid-induced neurotoxicity in rats. <i>Neuroscience</i> , <b>2015</b> , 287, 66-77	3.9	38
80	Brain biometals and Alzheimer's disease - boon or bane?. <i>International Journal of Neuroscience</i> , <b>2017</b> , 127, 99-108	2	37
79	Protective effect of montelukast against quinolinic acid/malonic acid induced neurotoxicity: possible behavioral, biochemical, mitochondrial and tumor necrosis factor- $\alpha$ level alterations in rats. <i>Neuroscience</i> , <b>2010</b> , 171, 284-99	3.9	36
78	Effect of GLT-1 modulator and P2X7 antagonists alone and in combination in the kindling model of epilepsy in rats. <i>Epilepsy and Behavior</i> , <b>2015</b> , 48, 4-14	3.2	35
77	Tetrabenazine: Spotlight on Drug Review. <i>Annals of Neurosciences</i> , <b>2016</b> , 23, 176-185	1.1	35
76	Neuroprotective potential of Quercetin in combination with piperine against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced neurotoxicity. <i>Neural Regeneration Research</i> , <b>2017</b> , 12, 1137-1144	4.5	35
75	Neuroprotective potential of spermidine against rotenone induced Parkinson's disease in rats. <i>Neurochemistry International</i> , <b>2018</b> , 116, 104-111	4.4	32
74	Beneficial effect of antidepressants against rotenone induced Parkinsonism like symptoms in rats. <i>Pathophysiology</i> , <b>2016</b> , 23, 123-34	1.8	32
73	Neuroprotective Activity of Curcumin in Combination with Piperine against Quinolinic Acid Induced Neurodegeneration in Rats. <i>Pharmacology</i> , <b>2016</b> , 97, 151-60	2.3	32

72	Alzheimer's disease: Is this a brain specific diabetic condition?. <i>Physiology and Behavior</i> , <b>2016</b> , 164, 259-63	5	32
71	Plants and phytochemicals for Huntington's disease. <i>Pharmacognosy Reviews</i> , <b>2013</b> , 7, 81-91	2.4	31
70	Venlafaxine involves nitric oxide modulatory mechanism in experimental model of chronic behavior despair in mice. <i>Brain Research</i> , <b>2010</b> , 1311, 73-80	3.7	31
69	An updated insight into the molecular pathogenesis, secondary complications and potential therapeutics of COVID-19 pandemic. <i>Life Sciences</i> , <b>2020</b> , 257, 118105	6.8	30
68	Attenuation of proinflammatory cytokines and apoptotic process by verapamil and diltiazem against quinolinic acid induced Huntington like alterations in rats. <i>Brain Research</i> , <b>2011</b> , 1372, 115-26	3.7	29
67	Nitric oxide mechanism in protective effect of imipramine and venlafaxine against acute immobilization stress-induced behavioral and biochemical alteration in mice. <i>Neuroscience Letters</i> , <b>2009</b> , 467, 72-5	3.3	29
66	Nitric oxide mechanism in the protective effect of antidepressants against 3-nitropropionic acid-induced cognitive deficit, glutathione and mitochondrial alterations in animal model of Huntington's disease. <i>Behavioural Pharmacology</i> , <b>2010</b> , 21, 217-30	2.4	29
65	Role of vitamins and minerals as immunity boosters in COVID-19. <i>Inflammopharmacology</i> , <b>2021</b> , 29, 10015-1016	1.016	29
64	L-theanine, a Component of Green Tea Prevents 3-Nitropropionic Acid (3-NP)-Induced Striatal Toxicity by Modulating Nitric Oxide Pathway. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 2327-2337	6.2	28
63	Neurochemical modulation involved in the beneficial effect of liraglutide, GLP-1 agonist on PTZ kindling epilepsy-induced comorbidities in mice. <i>Molecular and Cellular Biochemistry</i> , <b>2016</b> , 415, 77-87	4.2	28
62	Animal models of hepatotoxicity. <i>Inflammation Research</i> , <b>2016</b> , 65, 13-24	7.2	27
61	Effect of caffeic acid and rofecoxib and their combination against intrastriatal quinolinic acid induced oxidative damage, mitochondrial and histological alterations in rats. <i>Inflammopharmacology</i> , <b>2009</b> , 17, 211-9	5.1	27
60	Protective effects of epigallocatechin gallate following 3-nitropropionic acid-induced brain damage: possible nitric oxide mechanisms. <i>Psychopharmacology</i> , <b>2009</b> , 207, 257-70	4.7	27
59	Sesamol attenuate 3-nitropropionic acid-induced Huntington-like behavioral, biochemical, and cellular alterations in rats. <i>Journal of Asian Natural Products Research</i> , <b>2009</b> , 11, 439-50	1.5	27
58	Novel protective mechanisms of antidepressants against 3-nitropropionic acid induced Huntington's-like symptoms: a comparative study. <i>Journal of Psychopharmacology</i> , <b>2011</b> , 25, 1399-411	4.6	26
57	Possible beneficial effect of peroxisome proliferator-activated receptor (PPAR)- $\delta$ agonist against a rat model of oral dyskinesia. <i>Pharmacology Biochemistry and Behavior</i> , <b>2013</b> , 111, 17-23	3.9	25
56	Possible nitric oxide modulation in protective effect of FK-506 against 3-nitropropionic acid-induced behavioral, oxidative, neurochemical, and mitochondrial alterations in rat brain. <i>Drug and Chemical Toxicology</i> , <b>2010</b> , 33, 377-92	2.3	24
55	Cerebroprotective effects of RAS inhibitors: Beyond their cardio-renal actions. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2015</b> , 16, 459-68	3	23

54	Beneficial effects of lycopene against haloperidol induced orofacial dyskinesia in rats: Possible neurotransmitters and neuroinflammation modulation. <i>European Journal of Pharmacology</i> , <b>2016</b> , 771, 229-35	5.3	23
53	Neuroprotective potential of curcumin in combination with piperine against 6-hydroxy dopamine induced motor deficit and neurochemical alterations in rats. <i>Inflammopharmacology</i> , <b>2017</b> , 25, 69-79	5.1	23
52	Protective effect of rofecoxib and nimesulide against intra-striatal quinolinic acid-induced behavioral, oxidative stress and mitochondrial dysfunctions in rats. <i>NeuroToxicology</i> , <b>2010</b> , 31, 195-203	4.4	23
51	Licofelone attenuates quinolinic acid induced Huntington like symptoms: possible behavioral, biochemical and cellular alterations. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 607-15	5.5	21
50	Protective effect of Convolvulus pluricaulis standardized extract and its fractions against 3-nitropropionic acid-induced neurotoxicity in rats. <i>Pharmaceutical Biology</i> , <b>2015</b> , 53, 1448-57	3.8	19
49	Effect of Liraglutide on Corneal Kindling Epilepsy Induced Depression and Cognitive Impairment in Mice. <i>Neurochemical Research</i> , <b>2016</b> , 41, 1741-50	4.6	19
48	Modulation of LOX and COX pathways via inhibition of amyloidogenesis contributes to mitoprotection against Amyloid oligomer-induced toxicity in an animal model of Alzheimer's disease in rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2016</b> , 146-147, 1-12	3.9	19
47	Role of neurosteroids in experimental 3-nitropropionic acid induced neurotoxicity in rats. <i>European Journal of Pharmacology</i> , <b>2014</b> , 723, 38-45	5.3	18
46	Effects of caffeic acid, rofecoxib, and their combination against quinolinic acid-induced behavioral alterations and disruption in glutathione redox status. <i>Neuroscience Bulletin</i> , <b>2009</b> , 25, 343-52	4.3	18
45	Antidepressants for neuroprotection in Huntington's disease: A review. <i>European Journal of Pharmacology</i> , <b>2015</b> , 769, 33-42	5.3	15
44	Piperine in combination with quercetin halt 6-OHDA induced neurodegeneration in experimental rats: Biochemical and neurochemical evidences. <i>Neuroscience Research</i> , <b>2018</b> , 133, 38-47	2.9	15
43	Protective effects of selective and non-selective cyclooxygenase inhibitors in an animal model of chronic stress. <i>Neuroscience Bulletin</i> , <b>2010</b> , 26, 17-27	4.3	15
42	Potential role of pioglitazone, caffeic acid and their combination against fatigue syndrome-induced behavioural, biochemical and mitochondrial alterations in mice. <i>Inflammopharmacology</i> , <b>2010</b> , 18, 241-51	5.1	15
41	Targeting oxidative stress attenuates malonic acid induced Huntington like behavioral and mitochondrial alterations in rats. <i>European Journal of Pharmacology</i> , <b>2010</b> , 634, 46-52	5.3	15
40	Glucagon-like Peptide-1 (GLP-1) and neurotransmitters signaling in epilepsy: An insight review. <i>Neuropharmacology</i> , <b>2018</b> , 136, 271-279	5.5	15
39	Nitric oxide modulation mediates the protective effect of trazodone in a mouse model of chronic fatigue syndrome. <i>Pharmacological Reports</i> , <b>2008</b> , 60, 664-72	3.9	15
38	Prolonged pretreatment with carvedilol prevents 3-nitropropionic acid-induced behavioral alterations and oxidative stress in rats. <i>Pharmacological Reports</i> , <b>2008</b> , 60, 706-15	3.9	15
37	Protective effect of spermine against pentylentetrazole kindling epilepsy induced comorbidities in mice. <i>Neuroscience Research</i> , <b>2017</b> , 120, 8-17	2.9	14

36	Sertraline and venlafaxine improves motor performance and neurobehavioral deficit in quinolinic acid induced Huntington's like symptoms in rats: Possible neurotransmitters modulation. <i>Pharmacological Reports</i> , <b>2017</b> , 69, 306-313	3.9	14
35	Possible role of GABA-B receptor modulation in MPTP induced Parkinson's disease in rats. <i>Experimental and Toxicologic Pathology</i> , <b>2015</b> , 67, 211-7		14
34	Comparative neuroprotective profile of statins in quinolinic acid induced neurotoxicity in rats. <i>Behavioural Brain Research</i> , <b>2011</b> , 216, 220-8	3.4	14
33	Combined effect of hydrogen sulphide donor and losartan in experimental diabetic nephropathy in rats. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2015</b> , 14, 63	2.5	13
32	Ameliorating effect of lyophilized extract of <i>Butea frondosa</i> leaves on scopolamine-induced amnesia in rats. <i>Pharmaceutical Biology</i> , <b>2013</b> , 51, 233-9	3.8	13
31	Beneficial effect of rice bran extract against 3-nitropropionic acid induced experimental Huntington's disease in rats. <i>Toxicology Reports</i> , <b>2015</b> , 2, 1222-1232	4.8	13
30	Protective effect of HMG CoA reductase inhibitors against running wheel activity induced fatigue, anxiety like behavior, oxidative stress and mitochondrial dysfunction in mice. <i>Pharmacological Reports</i> , <b>2012</b> , 64, 1326-36	3.9	13
29	Therapeutic Potential of Agonists and Antagonists of A1, A2a, A2b and A3 Adenosine Receptors. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 2892-2905	3.3	13
28	Anti-hyperalgesic and anti-nociceptive potentials of standardized grape seed proanthocyanidin extract against CCI-induced neuropathic pain in rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , <b>2016</b> , 27, 9-17	1.6	12
27	Potential role of licofelone, minocycline and their combination against chronic fatigue stress induced behavioral, biochemical and mitochondrial alterations in mice. <i>Pharmacological Reports</i> , <b>2012</b> , 64, 1105-15	3.9	12
26	L-theanine prevent quinolinic acid induced motor deficit and striatal neurotoxicity: Reduction in oxido-nitrosative stress and restoration of striatal neurotransmitters level. <i>European Journal of Pharmacology</i> , <b>2017</b> , 811, 171-179	5.3	10
25	Rodent animal models: from mild to advanced stages of diabetic nephropathy. <i>Inflammopharmacology</i> , <b>2014</b> , 22, 279-93	5.1	10
24	Nitric oxide modulation in protective role of antidepressants against chronic fatigue syndrome in mice. <i>Indian Journal of Pharmacology</i> , <b>2011</b> , 43, 324-9	2.5	9
23	Effect of chenodeoxycholic acid and sodium hydrogen sulfide in dinitro benzene sulfonic acid (DNBS)--Induced ulcerative colitis in rats. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 616-23	3.9	8
22	Exploring the molecular approach of COX and LOX in Alzheimer's and Parkinson's disorder. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 9895-9912	2.8	8
21	Protective role of sertraline against 3-nitropropionic acid-induced cognitive dysfunction and redox ratio in striatum, cortex and hippocampus of rat brain. <i>Indian Journal of Experimental Biology</i> , <b>2009</b> , 47, 715-22		8
20	Cyclosporine A attenuates 3-nitropropionic acid-induced Huntington-like symptoms in rats: possible nitric oxide mechanism. <i>International Journal of Toxicology</i> , <b>2010</b> , 29, 318-25	2.4	7
19	Protective Effect of Antioxidants on 3-Nitropropionic Acid Induced Oxidative Stress and Cognitive Impairment. <i>Annals of Neurosciences</i> , <b>2006</b> , 13, 41-47	1.1	7



18	Animal models of attention-deficit hyperactivity disorder (ADHD). <i>International Journal of Developmental Neuroscience</i> , <b>2021</b> , 81, 107-124	2.7	6
17	Neuroprotective effect of MK-801 against intra-striatal quinolinic acid induced behavioral, oxidative stress and cellular alterations in rats. <i>Indian Journal of Experimental Biology</i> , <b>2009</b> , 47, 880-92		6
16	Possible role of NO modulators in protective effect of trazodone and citalopram (antidepressants) in acute immobilization stress in mice. <i>Indian Journal of Experimental Biology</i> , <b>2010</b> , 48, 1131-5		6
15	Neuroprotection through G-CSF: recent advances and future viewpoints. <i>Pharmacological Reports</i> , <b>2021</b> , 73, 372-385	3.9	5
14	Possible vasculoprotective role of linagliptin against sodium arsenite-induced vascular endothelial dysfunction. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2016</b> , 389, 167-75	3.4	4
13	Animal Models of Inflammatory Bowel Disease <b>2017</b> , 467-477		3
12	Neuroprotective effect of nerolidol in traumatic brain injury associated behavioural comorbidities in rats. <i>Toxicology Research</i> , <b>2021</b> , 10, 40-50	2.6	3
11	Protective Effect of Hemin Against Experimental Chronic Fatigue Syndrome in Mice: Possible Role of Neurotransmitters. <i>Neurotoxicity Research</i> , <b>2020</b> , 38, 359-369	4.3	1
10	Neuroprotective role of apocynin against pentylenetetrazole kindling epilepsy and associated comorbidities in mice by suppression of ROS/RNS. <i>Behavioural Brain Research</i> , <b>2021</b> , 419, 113699	3.4	1
9	Protective Effect of Agomelatine on Traumatic Brain Injury Induced Cognitive Deficit in Rats: Possible Role of Neurotransmitters. <i>Current Psychopharmacology</i> , <b>2019</b> , 7, 192-207	0.6	1
8	Neurochemical Imbalance in Epilepsy from Animal Model to Human. <i>Current Psychopharmacology</i> , <b>2019</b> , 7, 113-128	0.6	1
7	Management of HD: Insight into Molecular Mechanisms and Potential Neuroprotective Drug Strategies <b>2019</b> , 197-206		1
6	Neurobiology of traumatic brain injury. <i>Brain Injury</i> , <b>2021</b> , 35, 1113-1120	2.1	1
5	The Beneficial Effect of Rice Bran Extract Against Rotenone-Induced Experimental Parkinson's Disease in Rats. <i>Current Molecular Pharmacology</i> , <b>2021</b> , 14, 428-438	3.7	1
4	Gene therapy and immunotherapy as promising strategies to combat Huntington's disease-associated neurodegeneration: emphasis on recent updates and future perspectives. <i>Expert Review of Neurotherapeutics</i> , <b>2020</b> , 20, 1123-1141	4.3	0
3	Oxidative Stress Targeting Amyloid Beta Accumulation and Clearance in Alzheimer's Disease: Insight into Pathological Mechanisms and Therapeutic Strategies. <i>Current Psychopharmacology</i> , <b>2020</b> , 9, 22-42	0.6	0
2	P3-324: Beneficial effect of spermidine against 3-nitropropionic acid-induced neurotoxicity in rats: Possible neurotransmitter modulation <b>2015</b> , 11, P762-P762		
1	[P2081]: POSSIBLE INVOLVEMENT OF CALCIUM CHANNELS IN NEUROPROTECTIVE MECHANISM OF FENOFIBRATE AGAINST 3-NITROPROPIONIC ACID-INDUCED HUNTINGTON'S DISEASE IN RATS <b>2017</b> , 13, P637-P637		

