

Chandishwar Nath

List of Publications by Year in descending order

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74
papers

4,278
citations

76326

40
h-index

110387

64
g-index

74
all docs

74
docs citations

74
times ranked

5437
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Oxidative Stress and Synapse Dysfunction in the Pathogenesis of Alzheimer's Disease: Understanding the Therapeutics Strategies. <i>Molecular Neurobiology</i> , 2016, 53, 648-661.	4.0	352
2	A comparative study in rodents of standardized extracts of <i>Bacopa monniera</i> and <i>Ginkgo biloba</i> . <i>Pharmacology Biochemistry and Behavior</i> , 2002, 73, 893-900.	2.9	228
3	A study of brain insulin receptors, AChE activity and oxidative stress in rat model of ICV STZ induced dementia. <i>Neuropharmacology</i> , 2009, 56, 779-787.	4.1	133
4	Effect of donepezil and tacrine on oxidative stress in intracerebral streptozotocin-induced model of dementia in mice. <i>European Journal of Pharmacology</i> , 2008, 581, 283-289.	3.5	131
5	Protective effect of quercetin against intracerebral streptozotocin induced reduction in cerebral blood flow and impairment of memory in mice. <i>Behavioural Brain Research</i> , 2010, 209, 73-79.	2.2	127
6	Insulin receptor signaling in rat hippocampus: A study in STZ (ICV) induced memory deficit model. <i>European Neuropsychopharmacology</i> , 2011, 21, 261-273.	0.7	127
7	Effect of curcumin on brain insulin receptors and memory functions in STZ (ICV) induced dementia model of rat. <i>Pharmacological Research</i> , 2010, 61, 247-252.	7.1	113
8	Glial activation and post-synaptic neurotoxicity: The key events in Streptozotocin (ICV) induced memory impairment in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 117, 104-117.	2.9	113
9	Okadaic acid induced neurotoxicity: An emerging tool to study Alzheimer's disease pathology. <i>NeuroToxicology</i> , 2013, 37, 163-172.	3.0	109
10	A study on neuroinflammation and NMDA receptor function in STZ (ICV) induced memory impaired rats. <i>Journal of Neuroimmunology</i> , 2013, 254, 1-9.	2.3	108
11	Gugulipid, an extract of <i>Commiphora whigitii</i> with lipid-lowering properties, has protective effects against streptozotocin-induced memory deficits in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2007, 86, 797-805.	2.9	101
12	Candesartan improves memory decline in mice: Involvement of AT1 receptors in memory deficit induced by intracerebral streptozotocin. <i>Behavioural Brain Research</i> , 2009, 199, 235-240.	2.2	84
13	Cholinergic protection via $\alpha 7$ nicotinic acetylcholine receptors and PI3K-Akt pathway in LPS-induced neuroinflammation. <i>Neurochemistry International</i> , 2010, 56, 135-142.	3.8	84
14	Influence of LPS-induced neuroinflammation on acetylcholinesterase activity in rat brain. <i>Journal of Neuroimmunology</i> , 2008, 205, 51-56.	2.3	83
15	Novel Carbamates as Orally Active Acetylcholinesterase Inhibitors Found to Improve Scopolamine-Induced Cognition Impairment: Pharmacophore-Based Virtual Screening, Synthesis, and Pharmacology. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6490-6505.	6.4	80
16	Protective effect of fruits of <i>Morinda citrifolia</i> L. on scopolamine induced memory impairment in mice: A behavioral, biochemical and cerebral blood flow study. <i>Journal of Ethnopharmacology</i> , 2012, 139, 34-41.	4.1	80
17	Effect of melatonin on neuroinflammation and acetylcholinesterase activity induced by LPS in rat brain. <i>European Journal of Pharmacology</i> , 2010, 640, 206-210.	3.5	79
18	Okadaic acid (ICV) induced memory impairment in rats: A suitable experimental model to test anti-dementia activity. <i>Brain Research</i> , 2010, 1309, 66-74.	2.2	78

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19	Molecular and Cellular Mechanism of Okadaic Acid (OKA)-Induced Neurotoxicity: A Novel Tool for Alzheimer's Disease Therapeutic Application. <i>Molecular Neurobiology</i> , 2014, 50, 852-865.	4.0	73
20	Improvement of brain energy metabolism and cholinergic functions contributes to the beneficial effects of silibinin against streptozotocin induced memory impairment. <i>Behavioural Brain Research</i> , 2011, 221, 207-215.	2.2	71
21	Mitochondrial dysfunction: A crucial event in okadaic acid (ICV) induced memory impairment and apoptotic cell death in rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 100, 311-319.	2.9	71
22	Astrocytes and Microglia: Responses to Neuropathological Conditions. <i>International Journal of Neuroscience</i> , 2011, 121, 589-597.	1.6	68
23	Intranasal Insulin Administration Ameliorates Streptozotocin (ICV)-Induced Insulin Receptor Dysfunction, Neuroinflammation, Amyloidogenesis, and Memory Impairment in Rats. <i>Molecular Neurobiology</i> , 2017, 54, 6507-6522.	4.0	67
24	Angiotensin II Receptor Blockers Attenuate Lipopolysaccharide-Induced Memory Impairment by Modulation of NF- κ B-Mediated BDNF/CREB Expression and Apoptosis in Spontaneously Hypertensive Rats. <i>Molecular Neurobiology</i> , 2018, 55, 1725-1739.	4.0	64
25	Neuroprotective effect of curcumin on okadaic acid induced memory impairment in mice. <i>European Journal of Pharmacology</i> , 2013, 715, 381-394.	3.5	63
26	ICV STZ induced impairment in memory and neuronal mitochondrial function: A protective role of nicotinic receptor. <i>Behavioural Brain Research</i> , 2011, 224, 50-57.	2.2	59
27	Role of central angiotensin receptors in scopolamine-induced impairment in memory, cerebral blood flow, and cholinergic function. <i>Psychopharmacology</i> , 2012, 222, 185-202.	3.1	57
28	Endoplasmic Reticulum Stress Plays a Key Role in Rotenone-Induced Apoptotic Death of Neurons. <i>Molecular Neurobiology</i> , 2016, 53, 285-298.	4.0	56
29	Central angiotensin converting enzyme facilitates memory impairment in intracerebroventricular streptozotocin treated rats. <i>Behavioural Brain Research</i> , 2012, 226, 317-330.	2.2	52
30	Inhibition of central angiotensin converting enzyme ameliorates scopolamine induced memory impairment in mice: Role of cholinergic neurotransmission, cerebral blood flow and brain energy metabolism. <i>Behavioural Brain Research</i> , 2012, 232, 66-76.	2.2	51
31	Cholinergic influence on memory stages: A study on scopolamine amnesic mice. <i>Indian Journal of Pharmacology</i> , 2009, 41, 192.	0.7	50
32	Sulforaphane Ameliorates Okadaic Acid-Induced Memory Impairment in Rats by Activating the Nrf2/HO-1 Antioxidant Pathway. <i>Molecular Neurobiology</i> , 2016, 53, 5310-5323.	4.0	50
33	Intranasal insulin improves cerebral blood flow, Nrf-2 expression and BDNF in STZ (ICV)-induced memory impaired rats. <i>Life Sciences</i> , 2017, 173, 1-10.	4.3	50
34	Standardized Extract of <i>Bacopa monniera</i> Attenuates Okadaic Acid Induced Memory Dysfunction in Rats: Effect on Nrf2 Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-18.	1.2	47
35	Role of molecular isoforms of acetylcholinesterase in learning and memory functions. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 89-99.	2.9	45
36	Rotenone-induced apoptosis and role of calcium: a study on Neuro-2a cells. <i>Archives of Toxicology</i> , 2012, 86, 1387-1397.	4.2	45

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37	Astrocyte Activation: A Key Step in Rotenone Induced Cytotoxicity and DNA Damage. <i>Neurochemical Research</i> , 2012, 37, 2178-2189.	3.3	44
38	Adaptogenic and anti-amnesic properties of in rodents. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 424-432.	2.9	43
39	The Expression of CYP2D22, An Ortholog of Human CYP2D6, in Mouse Striatum and Its Modulation in 1-Methyl 4-Phenyl-1,2,3,6-Tetrahydropyridine-Induced Parkinson's Disease Phenotype and Nicotine-Mediated Neuroprotection. <i>Rejuvenation Research</i> , 2009, 12, 185-197.	1.8	42
40	Melatonin attenuated mediators of neuroinflammation and alpha-7 nicotinic acetylcholine receptor mRNA expression in lipopolysaccharide (LPS) stimulated rat astrocytoma cells, C6. <i>Free Radical Research</i> , 2012, 46, 1167-1177.	3.3	42
41	Protection of streptozotocin induced insulin receptor dysfunction, neuroinflammation and amyloidogenesis in astrocytes by insulin. <i>Neuropharmacology</i> , 2014, 86, 337-352.	4.1	42
42	Effect of insulin and melatonin on acetylcholinesterase activity in the brain of amnesic mice. <i>Behavioural Brain Research</i> , 2008, 189, 381-386.	2.2	41
43	Effect of anti-dementia drugs on LPS induced neuroinflammation in mice. <i>Life Sciences</i> , 2007, 80, 1977-1983.	4.3	40
44	Melatonin alleviates memory deficits and neuronal degeneration induced by intracerebroventricular administration of streptozotocin in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2010, 94, 397-403.	2.9	40
45	A study on neuroinflammatory marker in brain areas of okadaic acid (ICV) induced memory impaired rats. <i>Life Sciences</i> , 2012, 90, 713-720.	4.3	40
46	Streptozotocin Induced Neurotoxicity Involves Alzheimer's Related Pathological Markers: a Study on N2A Cells. <i>Molecular Neurobiology</i> , 2016, 53, 2794-2806.	4.0	40
47	The mechanism of action of MPTP-induced neuroinflammation and its modulation by melatonin in rat astrocytoma cells, C6. <i>Free Radical Research</i> , 2010, 44, 1304-1316.	3.3	39
48	Rotenone induced neurotoxicity in rat brain areas: A histopathological study. <i>Neuroscience Letters</i> , 2011, 501, 123-127.	2.1	39
49	Nicotine and caffeine-mediated modulation in the expression of toxicant responsive genes and vesicular monoamine transporter-2 in 1-methyl 4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinson's disease phenotype in mouse. <i>Brain Research</i> , 2008, 1207, 193-206.	2.2	38
50	Inhibitory role of cholinergic system mediated via $\alpha 7$ nicotinic acetylcholine receptor in LPS-induced neuro-inflammation. <i>Innate Immunity</i> , 2010, 16, 3-13.	2.4	38
51	Evaluation of guggulipid and nimesulide on production of inflammatory mediators and GFAP expression in LPS stimulated rat astrocytoma, cell line (C6). <i>Journal of Ethnopharmacology</i> , 2010, 127, 625-630.	4.1	37
52	Effect of angiotensin II on spatial memory, cerebral blood flow, cholinergic neurotransmission, and brain derived neurotrophic factor in rats. <i>Psychopharmacology</i> , 2013, 226, 357-369.	3.1	37
53	Mechanism of synapse redox stress in Okadaic acid (ICV) induced memory impairment: Role of NMDA receptor. <i>Neurochemistry International</i> , 2014, 76, 32-41.	3.8	37
54	Hypertension exacerbates predisposition to neurodegeneration and memory impairment in the presence of a neuroinflammatory stimulus: Protection by angiotensin converting enzyme inhibition. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 133, 132-145.	2.9	37

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55	Ameliorative effect of Noni fruit extract on streptozotocin-induced memory impairment in mice. <i>Behavioural Pharmacology</i> , 2013, 24, 307-319.	1.7	31
56	Lead optimization studies towards the discovery of novel carbamates as potent AChE inhibitors for the potential treatment of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6313-6320.	3.0	30
57	Perindopril Attenuates Lipopolysaccharide-Induced Amyloidogenesis and Memory Impairment by Suppression of Oxidative Stress and RAGE Activation. <i>ACS Chemical Neuroscience</i> , 2016, 7, 206-217.	3.5	28
58	Okadaic acid: a tool to study regulatory mechanisms for neurodegeneration and regeneration in Alzheimer's disease. <i>Neural Regeneration Research</i> , 2015, 10, 365.	3.0	27
59	Okadaic acid induced neurotoxicity leads to central cholinergic dysfunction in rats. <i>European Journal of Pharmacology</i> , 2012, 690, 90-98.	3.5	26
60	A comparative study on oxidative stress induced by LPS and rotenone in homogenates of rat brain regions. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 219-224.	4.0	24
61	Inhibitory Effect of Memantine on Streptozotocin-Induced Insulin Receptor Dysfunction, Neuroinflammation, Amyloidogenesis, and Neurotrophic Factor Decline in Astrocytes. <i>Molecular Neurobiology</i> , 2016, 53, 6730-6744.	4.0	21
62	LPS induces mediators of neuroinflammation, cell proliferation, and GFAP expression in human astrocytoma cells U373MG: the anti-inflammatory and anti-proliferative effect of guggulipid. <i>Neurological Sciences</i> , 2014, 35, 409-414.	1.9	20
63	Guggulipid and Nimesulide Differentially Regulated Inflammatory Genes mRNA Expressions via Inhibition of NF- κ B and CHOP Activation in LPS-Stimulated Rat Astrocytoma Cells, C6. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 755-764.	3.3	19
64	The effect of guggulipid and nimesulide on MPTP-induced mediators of neuroinflammation in rat astrocytoma cells, C6. <i>Chemico-Biological Interactions</i> , 2012, 200, 73-83.	4.0	19
65	Effect of ovariectomy and estrogen supplementation on brain acetylcholinesterase activity and passive-avoidance learning in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002, 80, 907-914.	1.4	13
66	Substituted propanolamines and alkylamines derived from fluoxetine as potent appetite suppressants. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1739-1747.	3.0	13
67	Evaluation of melatonin levels in saliva in gingivitis and periodontitis cases: A pilot study. <i>Contemporary Clinical Dentistry</i> , 2016, 7, 519.	0.7	13
68	A study to evaluate the effect of nootropic drug Piracetam on DNA damage in leukocytes and macrophages. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 66-74.	1.7	12
69	Synthesis and appetite suppressant activity of 1-aryloxy-2-substituted aminomethyltetrahydronaphthalenes as conformationally rigid analogues of fluoxetine. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2535-2544.	3.0	6
70	Substituted urea/thiourea derived from fluoxetine as potent appetite suppressants. <i>Medicinal Chemistry Research</i> , 2008, 17, 103-113.	2.4	4
71	Glial Activation and Synaptic Neurotoxicity in Alzheimer's disease: A Focus on Neuroinflammation. <i>Pharmacologia</i> , 2014, 5, 286-297.	0.3	3
72	Synthesis and biological evaluation of ester derivatives of indomethacin as selective COX-2 inhibitors. <i>Medicinal Chemistry Research</i> , 2012, 21, 2223-2228.	2.4	2

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73	Erratum to "Standardized Extract of <i>Bacopa monniera</i> Attenuates Okadaic Acid Induced Memory Dysfunction in Rats: Effect on Nrf2 Pathway" Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-3.	1.2	2
74	Alteration in acetylcholinesterase glycosylation of rat brain in memory disorder. FASEB Journal, 2007, 21, .	0.5	0