

# Krishnadas Nandakumar

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

1,336  
citations

394286

19  
h-index

434063

31  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1885  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19: Emergence, Spread, Possible Treatments, and Global Burden. <i>Frontiers in Public Health</i> , 2020, 8, 216.	1.3	168
2	Impact of caffeic acid on aluminium chloride-induced dementia in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 1745-1752.	1.2	63
3	Rutin protects against neuronal damage in vitro and ameliorates doxorubicin-induced memory deficits in vivo in Wistar rats. <i>Drug Design, Development and Therapy</i> , 2017, Volume11, 1011-1026.	2.0	63
4	Anti-inflammatory activity of Terminalia paniculata bark extract against acute and chronic inflammation in rats. <i>Journal of Ethnopharmacology</i> , 2011, 134, 323-328.	2.0	59
5	Catechin ameliorates doxorubicin-induced neuronal cytotoxicity in in vitro and episodic memory deficit in in vivo in Wistar rats. <i>Cytotechnology</i> , 2018, 70, 245-259.	0.7	45
6	Naringin and rutin alleviates episodic memory deficits in two differentially challenged object recognition tasks. <i>Pharmacognosy Magazine</i> , 2016, 12, 63.	0.3	43
7	&lt;p&gt;Sesamol-Loaded PLGA Nanosuspension for Accelerating Wound Healing in Diabetic Foot Ulcer in Rats&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9265-9282.	3.3	38
8	Long circulating PEGylated-chitosan nanoparticles of rosuvastatin calcium: Development and in vitro and in vivo evaluations. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2190-2200.	3.6	35
9	Vasorelaxant effect in rat aortic rings through calcium channel blockage: A preliminary in vitro assessment of a 1,3,4-oxadiazole derivative. <i>Chemico-Biological Interactions</i> , 2009, 181, 377-382.	1.7	32
10	Antioxidant and antimutagenic activities of bark extract of Terminalia arjuna. <i>Asian Pacific Journal of Tropical Medicine</i> , 2010, 3, 965-970.	0.4	32
11	Hepatoprotective activity of alcoholic and aqueous extracts of leaves of &lt;i&gt;Tylophora indica&lt;/i&gt; (Linn.) in rats. <i>Indian Journal of Pharmacology</i> , 2007, 39, 43.	0.4	30
12	Animal models of chemotherapy-induced cognitive decline in preclinical drug development. <i>Psychopharmacology</i> , 2021, 238, 3025-3053.	1.5	29
13	Isolation of anxiolytic principle from ethanolic root extract of <i>Cardiospermum halicacabum</i> . <i>Phytomedicine</i> , 2011, 18, 219-223.	2.3	28
14	Catechin ameliorates depressive symptoms in Sprague Dawley rats subjected to chronic unpredictable mild stress by decreasing oxidative stress. <i>Biomedical Reports</i> , 2019, 11, 79-84.	0.9	27
15	An Appraisal of Current Pharmacological Perspectives of Sesamol: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 988-1000.	1.1	27
16	Hypoglycaemic and anti-diabetic activity of stem bark extracts <i>Erythrina indica</i> in normal and alloxan-induced diabetic rats. <i>Saudi Pharmaceutical Journal</i> , 2011, 19, 35-42.	1.2	25
17	Evaluation of the aphrodisiac potential of a chemically characterized aqueous extract of <i>Tamarindus indica</i> pulp. <i>Journal of Ethnopharmacology</i> , 2018, 210, 118-124.	2.0	24
18	A comprehensive review on <i>Sesamum indicum</i> L.: Botanical, ethnopharmacological, phytochemical, and pharmacological aspects. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114503.	2.0	24

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19	Toxicological evaluation of Terminalia paniculata bark extract and its protective effect against CCl4-induced liver injury in rodents. BMC Complementary and Alternative Medicine, 2013, 13, 127.	3.7	21
20	Effect of insulin on spatial memory in aluminum chloride-induced dementia in rats. NeuroReport, 2017, 28, 540-544.	0.6	21
21	Sodium valproate enhances doxorubicin-induced cognitive dysfunction in Wistar rats. Biomedicine and Pharmacotherapy, 2017, 96, 736-741.	2.5	18
22	Targeting glucose-dependent insulinotropic polypeptide receptor for neurodegenerative disorders. Expert Opinion on Therapeutic Targets, 2018, 22, 615-628.	1.5	18
23	Effect of D-Ala 2 GIP, a stable GIP receptor agonist on MPTP-induced neuronal impairments in mice. European Journal of Pharmacology, 2017, 804, 38-45.	1.7	15
24	Biologicals to direct nanotherapeutics towards HER2-positive breast cancers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 27, 102197.	1.7	15
25	Highly active antiretroviral therapy induced adverse drug reactions in Indian human immunodeficiency virus positive patients. Pharmacy Practice, 2011, 9, 48-55.	0.8	15
26	Sesamol and Healthâ€”A Comprehensive Review. Indian Journal of Pharmaceutical Education and Research, 2019, 53, s28-s42.	0.3	15
27	Protective Effects of Aqueous Extract of <i>Solanum nigrum</i> Linn. Leaves in Rat Models of Oral Mucositis. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	14
28	Standardised extract of safed musli ( <i>Chlorophytum borivilianum</i> ) increases aphrodisiac potential besides being safe in male Wistar rats. Andrologia, 2016, 48, 1236-1243.	1.0	14
29	Bilateral quinolinic acid-induced lipid peroxidation, decreased striatal monoamine levels and neurobehavioral deficits are ameliorated by GIP receptor agonist D-Ala 2 GIP in rat model of Huntington's disease. European Journal of Pharmacology, 2018, 828, 31-41.	1.7	14
30	Mechanistic targets for BPH and prostate cancerâ€”a review. Reviews on Environmental Health, 2021, 36, 261-270.	1.1	14
31	Combined Administration of Monosodium Glutamate and High Sucrose Diet Accelerates the Induction of Type 2 Diabetes, Vascular Dysfunction, and Memory Impairment in Rats. Journal of Environmental Pathology, Toxicology and Oncology, 2018, 37, 63-80.	0.6	13
32	Selective $\alpha_1$ -adrenoreceptor blocking activity of newly synthesized acyl amino-substituted aryloxypropanolamine derivatives, DPJ 955 and DPJ 890, in rats. Journal of Pharmacy and Pharmacology, 2010, 57, 515-520.	1.2	12
33	Antidiarrheal effect of fractions from stem bark of <i>Thespesia populnea</i> in rodents: Possible antimotility and antisecretory mechanisms. Asian Pacific Journal of Tropical Medicine, 2011, 4, 451-456.	0.4	12
34	Synthesis and antihistaminic activity of 3H-benzo [4,5] thieno [2,3-d][1,2,3] triazin-4-ones. Saudi Pharmaceutical Journal, 2012, 20, 45-52.	1.2	12
35	Pinocembrin enriched fraction of <i>Elytranthe parasitica</i> (L.) Danser induces apoptosis in HCT 116 colorectal cancer cells. Journal of Infection and Chemotherapy, 2017, 23, 354-359.	0.8	12
36	Rutin Protects against Doxorubicin-Induced Cognitive Dysfunction While Retaining the Anticancer Potential of Dox in a Murine Model of N-Methyl-N-Nitrosourea Induced Mammary Carcinoma. Journal of Environmental Pathology, Toxicology and Oncology, 2019, 38, 153-163.	0.6	12

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37	A rat model against chemotherapy plus radiation-induced oral mucositis. Saudi Pharmaceutical Journal, 2013, 21, 399-403.	1.2	11
38	Insulin Protects against Brain Oxidative Stress with an Apparent Effect on Episodic Memory in Doxorubicin-Induced Cognitive Dysfunction in Wistar Rats. Journal of Environmental Pathology, Toxicology and Oncology, 2017, 36, 121-130.	0.6	11
39	Neuroprotective effect of Mulmina&trade; against chemotherapy&#x2013;induced cognitive decline in normal rats. Biomedical Reports, 2020, 14, 1-1.	0.9	11
40	Sirtuins as therapeutic targets for improving delayed wound healing in diabetes. Journal of Drug Targeting, 2022, 30, 911-926.	2.1	11
41	Atypical Antidepressant Activity of 3,4-Bis(3,4-Dimethoxyphenyl) Furan-2,5-Dione Isolated from Heart Wood of Cedrus deodara, in Rodents. Korean Journal of Physiology and Pharmacology, 2014, 18, 365.	0.6	10
42	Sambar, an Indian dish prevents the development of dimethyl hydrazine-induced colon cancer: A preclinical study. Pharmacognosy Magazine, 2016, 12, 441.	0.3	10
43	Box&#x2013;Behnken Design-Based Development and Validation of a Reverse-Phase HPLC Analytical Method for the Estimation of Paclitaxel in Cationic Liposomes. Chromatographia, 2022, 85, 629-642.	0.7	10
44	Study of $\beta$ -Adrenoreceptor Antagonistic Activity of DPJ 904 in Rats. Pharmacology, 2005, 74, 1-5.	0.9	9
45	Anti-uro lithiatic Effect of Petroleum Ether Extract Stem Bark of Crataeva adansonii. in Rats. Pharmaceutical Biology, 2006, 44, 160-165.	1.3	9
46	Anticonvulsant activity of fraction isolated from ethanolic extract of heartwood of Cedrus deodara. Journal of Natural Medicines, 2014, 68, 310-315.	1.1	9
47	Pro-apoptotic and cytotoxic effects of enriched fraction of Elytranthe parasitica (L.) Danser against HepG2 Hepatocellular carcinoma. BMC Complementary and Alternative Medicine, 2016, 16, 420.	3.7	9
48	A systematic review and meta&#x2013;analysis on the cardio&#x2013;protective activity of naringin based on pre&#x2013;clinical evidences. Phytotherapy Research, 2022, 36, 1064-1092.	2.8	9
49	Synthesis, $\beta$ -adrenergic blocking activity and $\beta$ -receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates. Il Farmaco, 2003, 58, 557-562.	0.9	8
50	$\beta$ -Blocking activity of PP-34, a newly synthesized aryloxypropanolamine derivative, and its cardioprotective effect against ischaemia/reperfusion injury in laboratory animals. Journal of Pharmacy and Pharmacology, 2010, 59, 429-436.	1.2	8
51	Role of Statins in New-onset Diabetes Mellitus: The Underlying Cause, Mechanisms Involved, and Strategies to Combat. Current Drug Targets, 2021, 22, 1121-1128.	1.0	8
52	Female rats induced with mammary cancer as a relevant animal model for doxorubicin&#x2013;induced chemobrain <i>in vivo</i>. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 862-863.	0.9	7
53	Beta-Caryophyllene, a CB2R Selective Agonist, Protects Against Cognitive Impairment Caused by Neuro-inflammation and Not in Dementia Due to Ageing Induced by Mitochondrial Dysfunction. CNS and Neurological Disorders - Drug Targets, 2021, 20, 963-974.	0.8	7
54	Pinocembrin-Enriched Fractions of Elytranthe parasitica (L.) Danser Modulates Apoptotic and MAPK Cellular Signaling in HepG2 Cells. Anti-Cancer Agents in Medicinal Chemistry, 2019, 18, 1563-1572.	0.9	7

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55	Neuroprotective potential of methanolic extract of <i>Saraca asoca</i> bark against doxorubicin-induced neurotoxicity. <i>Pharmacognosy Magazine</i> , 2019, 15, 309.	0.3	7
56	Naringin ameliorates doxorubicin-induced neurotoxicity In vitro and cognitive dysfunction In vivo. <i>Pharmacognosy Magazine</i> , 2018, 14, 197.	0.3	7
57	Acteoside isolated from <i>Colebrookea oppositifolia</i> attenuates I/R brain injury in Wistar rats via modulation of HIF-1 $\alpha$ , NF- $\kappa$ B, and VEGF pathways. <i>Inflammopharmacology</i> , 2021, 29, 1565-1577.	1.9	6
58	Insulin Combined with Glucose Improves Spatial Learning and Memory in Aluminum Chloride-Induced Dementia in Rats. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2017, 36, 159-169.	0.6	6
59	Urinary Tract Infection Treatment Pattern of Elderly Patients in a Tertiary Hospital Setup in South India: A Prospective Study. <i>Journal of Young Pharmacists</i> , 2016, 8, 108-113.	0.1	6
60	Iminoflavones Combat 1,2-Dimethyl Hydrazine-Induced Aberrant Crypt Foci Development in Colon Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	5
61	In vivo Evaluation of Two Thiazolidin-4-one Derivatives in High Sucrose Diet Fed Pre-diabetic Mice and Their Modulatory Effect on AMPK, Akt and p38 MAP Kinase in L6 Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 381.	1.6	5
62	Hypoglycaemic effects of alcoholic root extract of <i>Borassus flabellifer</i> (Linn.) in normal and diabetic rats. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2013, 26, 673-9.	0.2	5
63	Neuroprotective effect of Mulmina Mango against chemotherapy-induced cognitive decline in mouse model of mammary carcinoma. <i>Scientific Reports</i> , 2022, 12, 3072.	1.6	5
64	Assessment of female rats for studying episodic memory and its deficit associated with doxorubicin-induced chemobrain. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 644-646.	0.9	4
65	Assessment of preclinical effect of (+)-catechin hydrate on sexual function: An in silico and in vivo study. <i>Andrologia</i> , 2020, 52, e13737.	1.0	4
66	Naringin exhibited Anti-Parkinsonian like effect against haloperidol-induced catalepsy in mice. <i>Research Journal of Pharmacy and Technology</i> , 2021, 14, 662-666.	0.2	4
67	Restoring chemo-sensitivity to temozolomide via targeted inhibition of poly (ADP-ribose) polymerase-1 by naringin in glioblastoma. <i>Chemical Papers</i> , 2021, 75, 4861-4871.	1.0	4
68	Experimental animal models to induce cardiac arrhythmias. <i>Indian Journal of Pharmacology</i> , 2005, 37, 348.	0.4	4
69	Cognition enhancing effect of rosemary ( <i>Rosmarinus officinalis</i> L.) in lab animal studies: a systematic review and meta-analysis. <i>Brazilian Journal of Medical and Biological Research</i> , 2022, 55, e11593.	0.7	4
70	Temozolomide Resistance: A Multifarious Review on Mechanisms Beyond O <sup>6</sup> -Methylguanine-DNA Methyltransferase. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, .	0.8	4
71	Combustion and deposit formation behavior on the fireside surfaces of a pulverized fuel boiler fired with a blend of coal and petroleum coke. <i>Combustion Science and Technology</i> , 2003, 175, 1625-1647.	1.2	3
72	Evaluation of <i>In Vitro</i> Antioxidant and <i>In Vivo</i> Analgesic Potential of <i>Terminalia paniculata</i> Aqueous Bark Extract. <i>Journal of Medicinal Food</i> , 2013, 16, 1153-1161.	0.8	3

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73	Botrops derived hemocoagulase formulation a probable agent for diabetic wound healing. 3 Biotech, 2020, 10, 443.	1.1	3
74	Sesamol protects MIN6 pancreatic beta cells against simvastatin-induced toxicity by restoring mitochondrial membrane potentials. 3 Biotech, 2020, 10, 149.	1.1	3
75	Isolated goat ileum preparation: An alternative to isolated ileum preparation from laboratory animals. Indian Journal of Pharmacology, 2006, 38, 140.	0.4	3
76	Diabetic wound healing approaches: an update. Journal of Basic and Clinical Physiology and Pharmacology, 2022, .	0.7	3
77	Isolation and anxiolytic activity of 3,4-bis(3,4-dimethoxyphenyl)furan-2,5-dione from the ethanolic extract of heart wood of Cedrus deodara. Medicinal Chemistry Research, 2012, 21, 3460-3464.	1.1	2
78	Dose-related antihyperglycemic and hypolipidemic effects of two novel thiazolidinones in a rodent model of metabolic syndrome. Journal of Diabetes, 2016, 8, 629-639.	0.8	2
79	Efficacy and safety of inhalation budesonide in the treatment of pediatric asthma in the emergency department: a systematic review and meta-analysis. Pharmacological Reports, 2020, 72, 783-798.	1.5	2
80	Pharmacophore and Atom Based 3D QSAR Studies on the Novel 5-Alpha-Reductase Inhibitors. Indian Journal of Pharmaceutical Education and Research, 2018, 52, S296-S302.	0.3	2
81	Medhya Rasayana Restores Memory Function against Doxorubicin-induced Cognitive Decline: Possibly by its Neuroprotective Effect. Indian Journal of Pharmaceutical Education and Research, 2019, 53, s104-s111.	0.3	2
82	Anti-Urolithiatic Activity of Heart Wood Extract of Cedrus deodara in Rats. Journal of Complementary and Integrative Medicine, 2010, 7, .	0.4	1
83	Endothelium Dependent and Independent Mechanisms of Vasorelaxant Activity of Synthesized 2,5-disubstituted-1,3,4-oxadiazole Derivatives in Rat Thoracic Aorta - Ex vivo and Molecular Docking Studies. Letters in Drug Design and Discovery, 2016, 13, 441-450.	0.4	1
84	In-silico and in-vivo evaluation of sesamol and its derivatives for benign prostatic hypertrophy. 3 Biotech, 2021, 11, 411.	1.1	1
85	THE PROPHYLACTIC APPROACH OF SESAMOL AND 3-(2-(METHYLENEDIOXY)ACETOPHENONE TO PREVENT ASSOCIATED CARDIOTOXICITY OF DOXORUBICIN AT HIGH DOSE IN PROSTATE CANCER RAT MODEL. Rasayan Journal of Chemistry, 2021, 14, 1938-1946.	0.2	1
86	Metformin, a calorie restriction mimetic for the treatment of Alzheimer's disease: A preclinical investigation. Alzheimer's and Dementia, 2021, 17, e051635.	0.4	1
87	Synthesis, $\beta$ -Adrenergic Blocking Activity and $\beta$ -Receptor Binding Affinities of 1-Substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol Oxalates.. ChemInform, 2003, 34, no.	0.1	0
88	Reversal of Chronic Fatigue Induced Alterations by Sesamol in Mice: Evidence for Involvement of Oxidative Stress And Inflammatory Pathway. Value in Health, 2014, 17, A810.	0.1	0
89	Evaluation of Hepatoprotective Effect of a Polyherbal Megakutki against Paracetamol-Induced Hepatotoxicity. Indian Journal of Pharmaceutical Education and Research, 2020, 54, 1080-1088.	0.3	0
90	Evolving era of "sponges": Nanosponges as a versatile nanocarrier for the effective skin delivery of drugs. Current Pharmaceutical Design, 2022, 28, .	0.9	0