

# 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	A systematic review and meta-analysis on the cardio-protective activity of naringin based on pre-clinical evidences. <i>Phytotherapy Research</i> , 2022, 36, 1064-1092.	2.8	9
2	Diabetic wound healing approaches: an update. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2022, .	0.7	3
3	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
4	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
5	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
6	Evolving era of "sponges": Nanosponges as a versatile nanocarrier for the effective skin delivery of drugs. <i>Current Pharmaceutical Design</i> , 2022, 28, .	0.9	0
7	Box-Behnken Design-Based Development and Validation of a Reverse-Phase HPLC Analytical Method for the Estimation of Paclitaxel in Cationic Liposomes. <i>Chromatographia</i> , 2022, 85, 629-642.	0.7	10
8	Sirtuins as therapeutic targets for improving delayed wound healing in diabetes. <i>Journal of Drug Targeting</i> , 2022, 30, 911-926.	2.1	11
9	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
10	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. <i>CNS and Neurological Disorders - Drug Targets</i> , 2021, 20, 963-974.	0.8	7
11	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
12	Role of Statins in New-onset Diabetes Mellitus: The Underlying Cause, Mechanisms Involved, and Strategies to Combat. <i>Current Drug Targets</i> , 2021, 22, 1121-1128.	1.0	8
13	In-silico and in-vivo evaluation of sesamol and its derivatives for benign prostatic hypertrophy. <i>3 Biotech</i> , 2021, 11, 411.	1.1	1
14	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
15	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
16	THE PROPHYLACTIC APPROACH OF SESAMOL AND 3-(4-(METHYLENEDIOXY)ACETOPHENONE TO PREVENT ASSOCIATED CARDIOTOXICITY OF DOXORUBICIN AT HIGH DOSE IN PROSTATE CANCER RAT MODEL. <i>Rasayan Journal of Chemistry</i> , 2021, 14, 1938-1946.	0.2	1
17	Mechanistic targets for BPH and prostate cancer—a review. <i>Reviews on Environmental Health</i> , 2021, 36, 261-270.	1.1	14
18	Animal models of chemotherapy-induced cognitive decline in preclinical drug development. <i>Psychopharmacology</i> , 2021, 238, 3025-3053.	1.5	29

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19	Metformin, a calorie restriction mimetic for the treatment of Alzheimer's disease: A preclinical investigation. <i>Alzheimer's and Dementia</i> , 2021, 17, e051635.	0.4	1
20	Botrops derived hemocoagulase formulation a probable agent for diabetic wound healing. <i>3 Biotech</i> , 2020, 10, 443.	1.1	3
21	Sesamol-Loaded PLGA Nanosuspension for Accelerating Wound Healing in Diabetic Foot Ulcer in Rats. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9265-9282.	3.3	38
22	COVID-19: Emergence, Spread, Possible Treatments, and Global Burden. <i>Frontiers in Public Health</i> , 2020, 8, 216.	1.3	168
23	Efficacy and safety of inhalation budesonide in the treatment of pediatric asthma in the emergency department: a systematic review and meta-analysis. <i>Pharmacological Reports</i> , 2020, 72, 783-798.	1.5	2
24	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
25	Sesamol protects MIN6 pancreatic beta cells against simvastatin-induced toxicity by restoring mitochondrial membrane potentials. <i>3 Biotech</i> , 2020, 10, 149.	1.1	3
26	Biologicals to direct nanotherapeutics towards HER2-positive breast cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 27, 102197.	1.7	15
27	An Appraisal of Current Pharmacological Perspectives of Sesamol: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 988-1000.	1.1	27
28	Neuroprotective effect of Mulmina against chemotherapy-induced cognitive decline in normal rats. <i>Biomedical Reports</i> , 2020, 14, 1-1.	0.9	11
29	Evaluation of Hepatoprotective Effect of a Polyherbal Megakutki against Paracetamol-Induced Hepatotoxicity. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2020, 54, 1080-1088.	0.3	0
30	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
31	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. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2019, 38, 153-163.	0.6	12
32	Pinocembrin-Enriched Fractions of <i>Elytranthe parasitica</i> (L.) Danser Modulates Apoptotic and MAPK Cellular Signaling in HepG2 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 18, 1563-1572.	0.9	7
33	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
34	Sesamol and Health: A Comprehensive Review. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2019, 53, s28-s42.	0.3	15
35	Medhya Rasayana Restores Memory Function against Doxorubicin-induced Cognitive Decline: Possibly by its Neuroprotective Effect. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2019, 53, s104-s111.	0.3	2
36	Combined Administration of Monosodium Glutamate and High Sucrose Diet Accelerates the Induction of Type 2 Diabetes, Vascular Dysfunction, and Memory Impairment in Rats. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2018, 37, 63-80.	0.6	13

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37	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. <i>European Journal of Pharmacology</i> , 2018, 828, 31-41.	1.7	14
38	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
39	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
40	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
41	Targeting glucose-dependent insulinotropic polypeptide receptor for neurodegenerative disorders. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 615-628.	1.5	18
42	Naringin ameliorates doxorubicin-induced neurotoxicity In vitro and cognitive dysfunction In vivo. <i>Pharmacognosy Magazine</i> , 2018, 14, 197.	0.3	7
43	Pharmacophore and Atom Based 3D QSAR Studies on the Novel 5-Alpha-Reductase Inhibitors. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2018, 52, S296-S302.	0.3	2
44	Effect of D-Ala 2 GIP, a stable GIP receptor agonist on MPTP-induced neuronal impairments in mice. <i>European Journal of Pharmacology</i> , 2017, 804, 38-45.	1.7	15
45	Effect of insulin on spatial memory in aluminum chloride-induced dementia in rats. <i>NeuroReport</i> , 2017, 28, 540-544.	0.6	21
46	Pinocembrin enriched fraction of <i>Elytranthe parasitica</i> (L.) Danser induces apoptosis in HCT 116 colorectal cancer cells. <i>Journal of Infection and Chemotherapy</i> , 2017, 23, 354-359.	0.8	12
47	Sodium valproate enhances doxorubicin-induced cognitive dysfunction in Wistar rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 736-741.	2.5	18
48	Insulin Protects against Brain Oxidative Stress with an Apparent Effect on Episodic Memory in Doxorubicin-Induced Cognitive Dysfunction in Wistar Rats. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2017, 36, 121-130.	0.6	11
49	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
50	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
51	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
52	Standardised extract of safed musli ( <i>Chlorophytum borivillianum</i> ) increases aphrodisiac potential besides being safe in male Wistar rats. <i>Andrologia</i> , 2016, 48, 1236-1243.	1.0	14
53	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. <i>Letters in Drug Design and Discovery</i> , 2016, 13, 441-450.	0.4	1
54	Sambar, an Indian dish prevents the development of dimethyl hydrazine-induced colon cancer: A preclinical study. <i>Pharmacognosy Magazine</i> , 2016, 12, 441.	0.3	10

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55	Naringin and rutin alleviates episodic memory deficits in two differentially challenged object recognition tasks. <i>Pharmacognosy Magazine</i> , 2016, 12, 63.	0.3	43
56	Pro-apoptotic and cytotoxic effects of enriched fraction of <i>Elytranthe parasitica</i> (L.) Danser against HepG2 Hepatocellular carcinoma. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 420.	3.7	9
57	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
58	Female rats induced with mammary cancer as a relevant animal model for doxorubicin-induced chemobrain <i>in vivo</i> . <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 862-863.	0.9	7
59	Dose-related antihyperglycemic and hypolipidemic effects of two novel thiazolidinones in a rodent model of metabolic syndrome. <i>Journal of Diabetes</i> , 2016, 8, 629-639.	0.8	2
60	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
61	Protective Effects of Aqueous Extract of <i>Solanum nigrum</i> Linn. Leaves in Rat Models of Oral Mucositis. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	14
62	Atypical Antidepressant Activity of 3,4-Bis(3,4-Dimethoxyphenyl) Furan-2,5-Dione Isolated from Heart Wood of <i>Cedrus deodara</i> , in Rodents. <i>Korean Journal of Physiology and Pharmacology</i> , 2014, 18, 365.	0.6	10
63	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
64	Anticonvulsant activity of fraction isolated from ethanolic extract of heartwood of <i>Cedrus deodara</i> . <i>Journal of Natural Medicines</i> , 2014, 68, 310-315.	1.1	9
65	Reversal of Chronic Fatigue Induced Alterations by Sesamol in Mice: Evidence for Involvement of Oxidative Stress And Inflammatory Pathway. <i>Value in Health</i> , 2014, 17, A810.	0.1	0
66	Toxicological evaluation of <i>Terminalia paniculata</i> bark extract and its protective effect against CCl4-induced liver injury in rodents. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 127.	3.7	21
67	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
68	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
69	A rat model against chemotherapy plus radiation-induced oral mucositis. <i>Saudi Pharmaceutical Journal</i> , 2013, 21, 399-403.	1.2	11
70	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
71	Isolation and anxiolytic activity of 3,4-bis(3,4-dimethoxyphenyl)furan-2,5-dione from the ethanolic extract of heart wood of <i>Cedrus deodara</i> . <i>Medicinal Chemistry Research</i> , 2012, 21, 3460-3464.	1.1	2
72	Synthesis and antihistaminic activity of 3H-benzo [4,5] thieno [2,3-d][1,2,3] triazin-4-ones. <i>Saudi Pharmaceutical Journal</i> , 2012, 20, 45-52.	1.2	12

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73	Antidiarrheal effect of fractions from stem bark of <i>Thespesia populnea</i> in rodents: Possible antimotility and antisecretory mechanisms. <i>Asian Pacific Journal of Tropical Medicine</i> , 2011, 4, 451-456.	0.4	12
74	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
75	Anti-inflammatory activity of <i>Terminalia paniculata</i> bark extract against acute and chronic inflammation in rats. <i>Journal of Ethnopharmacology</i> , 2011, 134, 323-328.	2.0	59
76	Isolation of anxiolytic principle from ethanolic root extract of <i>Cardiospermum halicacabum</i> . <i>Phytomedicine</i> , 2011, 18, 219-223.	2.3	28
77	Highly active antiretroviral therapy induced adverse drug reactions in Indian human immunodeficiency virus positive patients. <i>Pharmacy Practice</i> , 2011, 9, 48-55.	0.8	15
78	Selective $\beta_1$ -adrenoreceptor blocking activity of newly synthesized acyl amino-substituted aryloxypropanolamine derivatives, DPJ 955 and DPJ 890, in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 515-520.	1.2	12
79	$\beta_1$ -Blocking activity of PP-34, a newly synthesized aryloxypropanolamine derivative, and its cardioprotective effect against ischaemia/reperfusion injury in laboratory animals. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 429-436.	1.2	8
80	Anti-Urolithiatic Activity of Heart Wood Extract of <i>Cedrus deodara</i> in Rats. <i>Journal of Complementary and Integrative Medicine</i> , 2010, 7, .	0.4	1
81	Antioxidant and antimutagenic activities of bark extract of <i>Terminalia arjuna</i> . <i>Asian Pacific Journal of Tropical Medicine</i> , 2010, 3, 965-970.	0.4	32
82	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
83	Hepatoprotective activity of alcoholic and aqueous extracts of leaves of &lt;i>&gt; Tylophora indica&lt;/i> (Linn.) in rats. <i>Indian Journal of Pharmacology</i> , 2007, 39, 43.	0.4	30
84	Anti-urolithiatic Effect of Petroleum Ether Extract Stem Bark of <i>Crataeva adansonii</i> . in Rats. <i>Pharmaceutical Biology</i> , 2006, 44, 160-165.	1.3	9
85	Isolated goat ileum preparation: An alternative to isolated ileum preparation from laboratory animals. <i>Indian Journal of Pharmacology</i> , 2006, 38, 140.	0.4	3
86	Study of $\beta_1$ -Adrenoreceptor Antagonistic Activity of DPJ 904 in Rats. <i>Pharmacology</i> , 2005, 74, 1-5.	0.9	9
87	Experimental animal models to induce cardiac arrhythmias. <i>Indian Journal of Pharmacology</i> , 2005, 37, 348.	0.4	4
88	Synthesis, $\beta_1$ -adrenergic blocking activity and $\beta_1$ -receptor binding affinities of 1-substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol oxalates. <i>Il Farmaco</i> , 2003, 58, 557-562.	0.9	8
89	Synthesis, $\beta_1$ -Adrenergic Blocking Activity and $\beta_1$ -Receptor Binding Affinities of 1-Substituted-3-(2-isopropyl-5-methyl-phenoxy)-propan-2-ol Oxalates.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
90	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