

# Venugopalan D Nair

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,277  
citations

236612

25  
h-index

233125

45  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3922  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell transcriptional profiles in human skeletal muscle. <i>Scientific Reports</i> , 2020, 10, 229.	1.6	188
2	Molecular Liver Cancer Prevention in Cirrhosis by Organ Transcriptome Analysis and Lysophosphatidic Acid Pathway Inhibition. <i>Cancer Cell</i> , 2016, 30, 879-890.	7.7	172
3	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. <i>Cell</i> , 2020, 181, 1464-1474.	13.5	147
4	SARS-CoV-2 seropositivity and subsequent infection risk in healthy young adults: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2021, 9, 712-720.	5.2	136
5	SARS-CoV-2 Transmission among Marine Recruits during Quarantine. <i>New England Journal of Medicine</i> , 2020, 383, 2407-2416.	13.9	94
6	Clinicopathological indices to predict hepatocellular carcinoma molecular classification. <i>Liver International</i> , 2016, 36, 108-118.	1.9	93
7	Early Single Cell Bifurcation of Pro- and Antiapoptotic States during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2004, 279, 27494-27501.	1.6	86
8	Agonist-specific Transactivation of Phosphoinositide 3-Kinase Signaling Pathway Mediated by the Dopamine D2 Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 47053-47061.	1.6	85
9	p53 Mediates Nontranscriptional Cell Death in Dopaminergic Cells in Response to Proteasome Inhibition. <i>Journal of Biological Chemistry</i> , 2006, 281, 39550-39560.	1.6	85
10	Differential Modulation of Akt/Glycogen Synthase Kinase-3 $\beta$ Pathway Regulates Apoptotic and Cytoprotective Signaling Responses. <i>Journal of Biological Chemistry</i> , 2008, 283, 15469-15478.	1.6	79
11	Activation of phosphoinositide 3-kinase by D2 receptor prevents apoptosis in dopaminergic cell lines. <i>Biochemical Journal</i> , 2003, 373, 25-32.	1.7	76
12	Activation of p53 signaling initiates apoptotic death in a cellular model of Parkinson's disease. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 955-966.	2.2	74
13	A genomic and clinical prognostic index for hepatitis C-related early-stage cirrhosis that predicts clinical deterioration. <i>Gut</i> , 2015, 64, 1296-1302.	6.1	70
14	Innate Immune Response to Influenza Virus at Single-Cell Resolution in Human Epithelial Cells Revealed Paracrine Induction of Interferon Lambda 1. <i>Journal of Virology</i> , 2019, 93, .	1.5	65
15	Heterogeneous origins and functions of mouse skeletal muscle-resident macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20729-20740.	3.3	59
16	Design, Synthesis, and Dopamine Receptor Modulating Activity of Spiro Bicyclic Peptidomimetics of Prolyl-Hleucyl-glycinamide. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 628-637.	2.9	55
17	Alterations of miRNAs reveal a dysregulated molecular regulatory network in Parkinson's disease striatum. <i>Neuroscience Letters</i> , 2016, 629, 99-104.	1.0	54
18	Sedentary and Trained Older Men Have Distinct Circulating Exosomal microRNA Profiles at Baseline and in Response to Acute Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 605.	1.3	52

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19	Modulation of Agonist Binding to Human Dopamine Receptor Subtypes by l-Prolyl-l-leucyl-glycinamide and a Peptidomimetic Analog. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1228-1236.	1.3	41
20	Combination of Gene Expression Signature and Model for End-Stage Liver Disease Score Predicts Survival of Patients With Severe Alcoholic Hepatitis. <i>Gastroenterology</i> , 2018, 154, 965-975.	0.6	41
21	Single nucleus multi-omics regulatory landscape of the murine pituitary. <i>Nature Communications</i> , 2021, 12, 2677.	5.8	38
22	MicroRNA-137 represses Klf4 and Tbx3 during differentiation of mouse embryonic stem cells. <i>Stem Cell Research</i> , 2013, 11, 1299-1313.	0.3	37
23	In vitro modeling of hepatocellular carcinoma molecular subtypes for anti-cancer drug assessment. <i>Experimental and Molecular Medicine</i> , 2018, 50, e419-e419.	3.2	37
24	Involvement of Histone Demethylase LSD1 in Short-Time-Scale Gene Expression Changes during Cell Cycle Progression in Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 4861-4876.	1.1	32
25	Interaction of NMDA and Dopamine D <sub>2L</sub> Receptors in Human Neuroblastoma SH-5Y5Y Cells. <i>Journal of Neurochemistry</i> , 1996, 66, 2390-2393.	2.1	29
26	Single nucleus transcriptome and chromatin accessibility of postmortem human pituitaries reveal diverse stem cell regulatory mechanisms. <i>Cell Reports</i> , 2022, 38, 110467.	2.9	27
27	Ontogenic development of dopamine D4 receptor in rat brain. <i>Developmental Brain Research</i> , 1995, 90, 180-183.	2.1	21
28	Single-cell stabilization method identifies gonadotrope transcriptional dynamics and pituitary cell type heterogeneity. <i>Nucleic Acids Research</i> , 2018, 46, 11370-11380.	6.5	21
29	A human liver cell-based system modeling a clinical prognostic liver signature for therapeutic discovery. <i>Nature Communications</i> , 2021, 12, 5525.	5.8	21
30	Asymptomatic SARS-CoV-2 Infection Is Associated With Higher Levels of Serum IL-17C, Matrix Metalloproteinase 10 and Fibroblast Growth Factors Than Mild Symptomatic COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 821730.	2.2	21
31	Modulation of agonist stimulated adenylyl cyclase and GTPase activity by l-pro-l-leu-glycinamide and its peptidomimetic analogue in rat striatal membranes. <i>Neuroscience Letters</i> , 1999, 269, 21-24.	1.0	19
32	Cocaine treatment increases expression of a 40 kDa catecholamine-regulated protein in discrete brain regions. <i>Synapse</i> , 2003, 47, 33-44.	0.6	18
33	Low variance RNAs identify Parkinson's disease molecular signature in blood. <i>Movement Disorders</i> , 2015, 30, 813-821.	2.2	18
34	Skeletal muscle transcriptional networks linked to type I myofiber grouping in Parkinson's disease. <i>Journal of Applied Physiology</i> , 2020, 128, 229-240.	1.2	18
35	Molecular cloning, localization and characterization of a 40-kDa catecholamine-regulated protein. <i>Journal of Neurochemistry</i> , 2001, 76, 1142-1152.	2.1	16
36	Modulation of brain catecholamine absorbing proteins by dopaminergic agents. <i>European Journal of Pharmacology</i> , 1996, 299, 213-220.	1.7	15

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37	Regulatory Architecture of the L <sup>1</sup> T2 Gonadotrope Cell Underlying the Response to Gonadotropin-Releasing Hormone. <i>Frontiers in Endocrinology</i> , 2018, 9, 34.	1.5	15
38	Rehabilitative Impact of Exercise Training on Human Skeletal Muscle Transcriptional Programs in Parkinson's Disease. <i>Frontiers in Physiology</i> , 2020, 11, 653.	1.3	15
39	Localization of BRCA1 protein in breast cancer tissue and cell lines with mutations. <i>Cancer Cell International</i> , 2013, 13, 70.	1.8	13
40	Cytogenetic, Genomic, and Functional Characterization of Pituitary Gonadotrope Cell Lines. <i>Journal of the Endocrine Society</i> , 2019, 3, 902-920.	0.1	13
41	Skeletal muscle transcriptome response to a bout of endurance exercise in physically active and sedentary older adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E260-E277.	1.8	13
42	Modulation of Dopamine D <sub>2</sub> Receptor Expression by an NMDA Receptor Antagonist in Rat Brain. <i>Journal of Molecular Neuroscience</i> , 1998, 11, 121-126.	1.1	12
43	Differential analysis of chromatin accessibility and gene expression profiles identifies cis-regulatory elements in rat adipose and muscle. <i>Genomics</i> , 2021, 113, 3827-3841.	1.3	11
44	Modulation of a 40-kDa catecholamine regulated protein by dopamine receptor antagonists. <i>European Journal of Pharmacology</i> , 2001, 413, 73-79.	1.7	10
45	Immunohistochemical localization of a 40-kDa catecholamine regulated protein in the nigrostriatal pathway. <i>Brain Research</i> , 2001, 900, 314-319.	1.1	8
46	Multi-omics profiling of single nuclei from frozen archived postmortem human pituitary tissue. <i>STAR Protocols</i> , 2022, 3, 101446.	0.5	7
47	NMDA and dopamine D2L receptor interaction in human neuroblastoma SH-SY5Y cells involves tyrosine kinase and phosphatase. <i>NeuroReport</i> , 1996, 7, 2937-2940.	0.6	6
48	Antibody Responses to SARS-CoV-2 Following an Outbreak Among Marine Recruits With Asymptomatic or Mild Infection. <i>Frontiers in Immunology</i> , 2021, 12, 681586.	2.2	6
49	Optimization of the Omni-ATAC protocol to chromatin accessibility profiling in snap-frozen rat adipose and muscle tissues. <i>MethodsX</i> , 2022, 9, 101681.	0.7	1
50	A human liver cell-based system modeling a clinical prognostic liver signature combined with single cell RNA-seq for discovery of novel liver disease therapeutics. <i>Journal of Hepatology</i> , 2020, 73, S28-S29.	1.8	0
51	Single Nucleus Transcriptome and Chromatin Accessibility Landscapes of Human Pituitaries. <i>Journal of the Endocrine Society</i> , 2021, 5, A653-A654.	0.1	0