

# Nitin Chitranshi

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,463  
citations

331670

21  
h-index

361022

35  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational refinement identifies functional destructive single nucleotide polymorphisms associated with human retinoid X receptor gene. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1458-1478.	3.5	5
2	Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7576-7590.	10.3	9
3	Trans-synaptic degeneration in the visual pathway: Neural connectivity, pathophysiology, and clinical implications in neurodegenerative disorders. <i>Survey of Ophthalmology</i> , 2022, 67, 411-426.	4.0	13
4	Self-nanoemulsifying composition containing curcumin, quercetin, Ganoderma lucidum extract powder and probiotics for effective treatment of type 2 diabetes mellitus in streptozotocin induced rats. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121306.	5.2	20
5	Retinoid X Receptor: Cellular and Biochemical Roles of Nuclear Receptor with a Focus on Neuropathological Involvement. <i>Molecular Neurobiology</i> , 2022, 59, 2027-2050.	4.0	27
6	Neuroserpin, a crucial regulator for axogenesis, synaptic modelling and cell-cell interactions in the pathophysiology of neurological disease. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 172.	5.4	11
7	Key Genes and Biochemical Networks in Various Brain Regions Affected in Alzheimer's Disease. <i>Cells</i> , 2022, 11, 987.	4.1	16
8	TrkB Receptor Agonist 7,8 Dihydroxyflavone is Protective Against the Inner Retinal Deficits Induced by Experimental Glaucoma. <i>Neuroscience</i> , 2022, 490, 36-48.	2.3	13
9	Recent advances in intraocular and novel drug delivery systems for the treatment of diabetic retinopathy. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 553-576.	5.0	20
10	Retinal changes in Alzheimer's disease: integrated prospects of imaging, functional and molecular advances. <i>Progress in Retinal and Eye Research</i> , 2021, 82, 100899.	15.5	71
11	Inner retinal injury in experimental glaucoma is prevented upon AAV mediated Shp2 silencing in a caveolin dependent manner. <i>Theranostics</i> , 2021, 11, 6154-6172.	10.0	12
12	Comprehensive Review of Methodology to Detect Reactive Oxygen Species (ROS) in Mammalian Species and Establish Its Relationship with Antioxidants and Cancer. <i>Antioxidants</i> , 2021, 10, 128.	5.1	35
13	Mouse model of Alzheimer's disease demonstrates differential effects of early disease pathology on various brain regions. <i>Proteomics</i> , 2021, 21, e2000213.	2.2	5
14	Mitochondrial dysfunction in Alzheimer's disease - a proteomics perspective. <i>Expert Review of Proteomics</i> , 2021, 18, 295-304.	3.0	27
15	Identification of Novel Cathepsin B Inhibitors with Implications in Alzheimer's Disease: Computational Refining and Biochemical Evaluation. <i>Cells</i> , 2021, 10, 1946.	4.1	13
16	A Proteomic View of Cellular and Molecular Effects of Cannabis. <i>Biomolecules</i> , 2021, 11, 1411.	4.0	11
17	Comparative Analysis of Aducanumab, Zagotenemab and Pioglitazone as Targeted Treatment Strategies for Alzheimer's Disease. , 2021, 12, 1964.		35
18	Retinal proteomics of experimental glaucoma model reveal intraocular pressure-induced mediators of neurodegenerative changes. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4931-4944.	2.6	21

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19	Evolving geographic diversity in SARS-CoV2 and in silico analysis of replicating enzyme 3CLpro targeting repurposed drug candidates. <i>Journal of Translational Medicine</i> , 2020, 18, 278.	4.4	29
20	Retinal inhibition of glycogen synthase kinase 3 beta protects against tau phosphorylation and stabilises microtubule assembly. <i>Alzheimer's and Dementia</i> , 2020, 16, e046558.	0.8	0
21	Tau hyperphosphorylation in the retinal ganglion cells is attenuated upon silencing of SHP2 phosphatase. <i>Alzheimer's and Dementia</i> , 2020, 16, e046753.	0.8	0
22	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. <i>Molecular Neurobiology</i> , 2020, 57, 3759-3784.	4.0	14
23	Cell Cycle Deficits in Neurodegenerative Disorders: Uncovering Molecular Mechanisms to Drive Innovative Therapeutic Development. , 2020, 11, 946.		51
24	Differing Structural and Functional Patterns of Optic Nerve Damage in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , 2019, 126, 445-453.	5.2	69
25	Demyelination precedes axonal loss in the transneuronal spread of human neurodegenerative disease. <i>Brain</i> , 2019, 142, 426-442.	7.6	78
26	Retinoid x receptor modulation protects against ER stress response and rescues glaucoma phenotypes in adult mice. <i>Experimental Neurology</i> , 2019, 314, 111-125.	4.1	21
27	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2019, 56, 6017-6034.	4.0	41
28	Sex-Specific Effect of BDNF Val66Met Genotypes on the Progression of Open-Angle Glaucoma. , 2019, 60, 1069.		8
29	Molecular docking, dynamics, and pharmacology studies on bexarotene as an agonist of ligand-activated transcription factors, retinoid X receptors. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11745-11760.	2.6	16
30	Amyloid $\beta$ Induces Early Changes in the Ribosomal Machinery, Cytoskeletal Organization and Oxidative Phosphorylation in Retinal Photoreceptor Cells. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 24.	2.9	28
31	Loss of Shp2 Rescues BDNF/TrkB Signaling and Contributes to Improved Retinal Ganglion Cell Neuroprotection. <i>Molecular Therapy</i> , 2019, 27, 424-441.	8.2	39
32	Bexarotene Modulates Retinoid-X-Receptor Expression and Is Protective Against Neurotoxic Endoplasmic Reticulum Stress Response and Apoptotic Pathway Activation. <i>Molecular Neurobiology</i> , 2018, 55, 9043-9056.	4.0	36
33	Regulation of Brain-Derived Neurotrophic Factor and Growth Factor Signaling Pathways by Tyrosine Phosphatase Shp2 in the Retina: A Brief Review. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 85.	3.7	22
34	Glaucoma Pathogenesis and Neurotrophins: Focus on the Molecular and Genetic Basis for Therapeutic Prospects. <i>Current Neuropharmacology</i> , 2018, 16, 1018-1035.	2.9	66
35	PTPN11 induces endoplasmic stress and apoptosis in SH-SY5Y cells. <i>Neuroscience</i> , 2017, 364, 175-189.	2.3	25
36	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. <i>Scientific Reports</i> , 2017, 7, 12685.	3.3	105

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37	Glaucoma is associated with plasmin proteolytic activation mediated through oxidative inactivation of neuroserpin. <i>Scientific Reports</i> , 2017, 7, 8412.	3.3	29
38	Computational analysis unravels novel destructive single nucleotide polymorphisms in the non-synonymous region of human caveolin gene. <i>Gene Reports</i> , 2017, 6, 142-157.	0.8	7
39	Molecular determinants and interaction data of cyclic peptide inhibitor with the extracellular domain of TrkB receptor. <i>Data in Brief</i> , 2016, 6, 776-782.	1.0	5
40	Amyloid $\beta$ accumulation and inner retinal degenerative changes in Alzheimer's disease transgenic mouse. <i>Neuroscience Letters</i> , 2016, 623, 52-56.	2.1	108
41	One protein, multiple pathologies: multifaceted involvement of amyloid $\beta$ in neurodegenerative disorders of the brain and retina. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 4279-4297.	5.4	60
42	Visual Evoked Potential Recording in a Rat Model of Experimental Optic Nerve Demyelination. <i>Journal of Visualized Experiments</i> , 2015, , e52934.	0.3	6
43	Exploring the Molecular Interactions of 7,8-Dihydroxyflavone and Its Derivatives with TrkB and VEGFR2 Proteins. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21087-21108.	4.1	40
44	Significance and Biological Importance of Pyrimidine in the Microbial World. <i>International Journal of Medicinal Chemistry</i> , 2014, 2014, 1-31.	2.2	127
45	Brain derived neurotrophic factor is involved in the regulation of glycogen synthase kinase 3 $\beta$ (GSK3 $\beta$ ) signalling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 381-386.	2.1	28
46	New molecular scaffolds for the design of Alzheimer's acetylcholinesterase inhibitors identified using ligand- and receptor-based virtual screening. <i>Medicinal Chemistry Research</i> , 2013, 22, 2328-2345.	2.4	33
47	Investigating the function of single nucleotide polymorphisms in the <i>CTSB</i> gene: a computational approach. <i>Future Neurology</i> , 2013, 8, 469-483.	0.5	5