Nitin Chitranshi

List of Publications by Year
in descending order

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47	1,463	331670	361022
papers	citations	21	35
		h-index	g-index

51	51	51	2003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significance and Biological Importance of Pyrimidine in the Microbial World. International Journal of Medicinal Chemistry, 2014, 2014, 1-31.	2.2	127
2	Amyloid Î² accumulation and inner retinal degenerative changes in Alzheimerâ€™s disease transgenic mouse. Neuroscience Letters, 2016, 623, 52-56.	2.1	108
3	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. Scientific Reports, 2017, 7, 12685.	3.3	105
4	Demyelination precedes axonal loss in the transneuronal spread of human neurodegenerative disease. Brain, 2019, 142, 426-442.	7.6	78
5	Retinal changes in Alzheimer's diseaseâ€" integrated prospects of imaging, functional and molecular advances. Progress in Retinal and Eye Research, 2021, 82, 100899.	15.5	71
6	Differing Structural and Functional Patterns of Optic Nerve Damage in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. Ophthalmology, 2019, 126, 445-453.	5.2	69
7	Glaucoma Pathogenesis and Neurotrophins: Focus on the Molecular and Genetic Basis for Therapeutic Prospects. Current Neuropharmacology, 2018, 16, 1018-1035.	2.9	66
8	One protein, multiple pathologies: multifaceted involvement of amyloid Î² in neurodegenerative disorders of the brain and retina. Cellular and Molecular Life Sciences, 2016, 73, 4279-4297.	5.4	60
9	Cell Cycle Deficits in Neurodegenerative Disorders: Uncovering Molecular Mechanisms to Drive Innovative Therapeutic Development. , 2020, 11, 946.		51
10	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2019, 56, 6017-6034.	4.0	41
11	Exploring the Molecular Interactions of 7,8-Dihydroxyflavone and Its Derivatives with TrkB and VEGFR2 Proteins. International Journal of Molecular Sciences, 2015, 16, 21087-21108.	4.1	40
12	Loss of Shp2 Rescues BDNF/TrkB Signaling and Contributes to Improved Retinal Ganglion Cell Neuroprotection. Molecular Therapy, 2019, 27, 424-441.	8.2	39
13	Bexarotene Modulates Retinoid-X-Receptor Expression and Is Protective Against Neurotoxic Endoplasmic Reticulum Stress Response and Apoptotic Pathway Activation. Molecular Neurobiology, 2018, 55, 9043-9056.	4.0	36
14	Comprehensive Review of Methodology to Detect Reactive Oxygen Species (ROS) in Mammalian Species and Establish Its Relationship with Antioxidants and Cancer. Antioxidants, 2021, 10, 128.	5.1	35
15	Comparative Analysis of Aducanumab, Zagotenemab and Pioglitazone as Targeted Treatment Strategies for Alzheimerâ€™s Disease. , 2021, 12, 1964.		35
16	New molecular scaffolds for the design of Alzheimerâ€™s acetylcholinesterase inhibitors identified using ligand- and receptor-based virtual screening. Medicinal Chemistry Research, 2013, 22, 2328-2345.	2.4	33
17	Glaucoma is associated with plasmin proteolytic activation mediated through oxidative inactivation of neuroserpin. Scientific Reports, 2017, 7, 8412.	3.3	29
18	Evolving geographic diversity in SARS-CoV2 and in silico analysis of replicating enzyme 3CLpro targeting repurposed drug candidates. Journal of Translational Medicine, 2020, 18, 278.	4.4	29

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19	Brain derived neurotrophic factor is involved in the regulation of glycogen synthase kinase 3Î² (GSK3Î²) signalling. Biochemical and Biophysical Research Communications, 2014, 454, 381-386.	2.1	28
20	Amyloid Î² Induces Early Changes in the Ribosomal Machinery, Cytoskeletal Organization and Oxidative Phosphorylation in Retinal Photoreceptor Cells. Frontiers in Molecular Neuroscience, 2019, 12, 24.	2.9	28
21	Mitochondrial dysfunction in Alzheimerâ€™s disease - a proteomics perspective. Expert Review of Proteomics, 2021, 18, 295-304.	3.0	27
22	Retinoid X Receptor: Cellular and Biochemical Roles of Nuclear Receptor with a Focus on Neuropathological Involvement. Molecular Neurobiology, 2022, 59, 2027-2050.	4.0	27
23	PTPN11 induces endoplasmic stress and apoptosis in SH-SY5Y cells. Neuroscience, 2017, 364, 175-189.	2.3	25
24	Regulation of Brain-Derived Neurotrophic Factor and Growth Factor Signaling Pathways by Tyrosine Phosphatase Shp2 in the Retina: A Brief Review. Frontiers in Cellular Neuroscience, 2018, 12, 85.	3.7	22
25	Retinoid x receptor modulation protects against ER stress response and rescues glaucoma phenotypes in adult mice. Experimental Neurology, 2019, 314, 111-125.	4.1	21
26	Retinal proteomics of experimental glaucoma model reveal intraocular pressureâ€induced mediators of neurodegenerative changes. Journal of Cellular Biochemistry, 2020, 121, 4931-4944.	2.6	21
27	Recent advances in intraocular and novel drug delivery systems for the treatment of diabetic retinopathy. Expert Opinion on Drug Delivery, 2021, 18, 553-576.	5.0	20
28	Self-nanoemulsifying composition containing curcumin, quercetin, Ganoderma lucidum extract powder and probiotics for effective treatment of type 2 diabetes mellitus in streptozotocin induced rats. International Journal of Pharmaceutics, 2022, 612, 121306.	5.2	20
29	Molecular docking, dynamics, and pharmacology studies on bexarotene as an agonist of ligandâ€activated transcription factors, retinoid X receptors. Journal of Cellular Biochemistry, 2019, 120, 11745-11760.	2.6	16
30	Key Genes and Biochemical Networks in Various Brain Regions Affected in Alzheimerâ€™s Disease. Cells, 2022, 11, 987.	4.1	16
31	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. Molecular Neurobiology, 2020, 57, 3759-3784.	4.0	14
32	Trans-synaptic degeneration in the visual pathway: Neural connectivity, pathophysiology, and clinical implications in neurodegenerative disorders. Survey of Ophthalmology, 2022, 67, 411-426.	4.0	13
33	Identification of Novel Cathepsin B Inhibitors with Implications in Alzheimerâ€™s Disease: Computational Refining and Biochemical Evaluation. Cells, 2021, 10, 1946.	4.1	13
34	TrkB Receptor Agonist 7,8 Dihydroxyflavone is Protective Against the Inner Retinal Deficits Induced by Experimental Glaucoma. Neuroscience, 2022, 490, 36-48.	2.3	13
35	Inner retinal injury in experimental glaucoma is prevented upon AAV mediated Shp2 silencing in a caveolin dependent manner. Theranostics, 2021, 11, 6154-6172.	10.0	12
36	A Proteomic View of Cellular and Molecular Effects of Cannabis. Biomolecules, 2021, 11, 1411.	4.0	11

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37	Neuroserpin, a crucial regulator for axogenesis, synaptic modelling and cellâ€“cell interactions in the pathophysiology of neurological disease. Cellular and Molecular Life Sciences, 2022, 79, 172.	5.4	11
38	Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. Critical Reviews in Food Science and Nutrition, 2022, 62, 7576-7590.	10.3	9
39	Sex-Specific Effect of BDNF Val66Met Genotypes on the Progression of Open-Angle Glaucoma. , 2019, 60, 1069.		8
40	Computational analysis unravels novel destructive single nucleotide polymorphisms in the non-synonymous region of human caveolin gene. Gene Reports, 2017, 6, 142-157.	0.8	7
41	Visual Evoked Potential Recording in a Rat Model of Experimental Optic Nerve Demyelination. Journal of Visualized Experiments, 2015, , e52934.	0.3	6
42	Investigating the function of single nucleotide polymorphisms in the CTSB gene: a computational approach. Future Neurology, 2013, 8, 469-483.	0.5	5
43	Molecular determinants and interaction data of cyclic peptide inhibitor with the extracellular domain of TrkB receptor. Data in Brief, 2016, 6, 776-782.	1.0	5
44	Mouse model of Alzheimer's disease demonstrates differential effects of early disease pathology on various brain regions. Proteomics, 2021, 21, e2000213.	2.2	5
45	Computational refinement identifies functional destructive single nucleotide polymorphisms associated with human retinoid X receptor gene. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1458-1478.	3.5	5
46	Retinal inhibition of glycogen synthase kinase 3 beta protects against tau phosphorylation and stabilises microtubule assembly. Alzheimer's and Dementia, 2020, 16, e046558.	0.8	0
47	Tau hyperphosphorylation in the retinal ganglion cells is attenuated upon silencing of SHP2 phosphatase. Alzheimer's and Dementia, 2020, 16, e046753.	0.8	0