

Yang Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

2,408
citations

19
h-index

49
g-index

59
ext. papers

3,003
ext. citations

7.6
avg, IF

4.72
L-index

#	Paper	IF	Citations
49	NMNAT2 is downregulated in glaucomatous RGCs, and RGC-specific gene therapy rescues neurodegeneration and visual function.. <i>Molecular Therapy</i> , 2022 ,	11.7	2
48	Multiplexed genome regulation in vivo with hyper-efficient Cas12a.. <i>Nature Cell Biology</i> , 2022 ,	23.4	2
47	Optic chiasmatic potential by endoscopically implanted skull base microinvasive biosensor: a brain-machine interface approach for anterior visual pathway assessment.. <i>Theranostics</i> , 2022 , 12, 3273-3287	12.1	1
46	Neuronal NMNAT2 Overexpression Does Not Achieve Significant Neuroprotection in Experimental Autoimmune Encephalomyelitis/Optic Neuritis. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 754651	6.1	2
45	Chronic mild and acute severe glaucomatous neurodegeneration derived from silicone oil-induced ocular hypertension. <i>Scientific Reports</i> , 2021 , 11, 9052	4.9	2
44	OCRL regulates lysosome positioning and mTORC1 activity through SSX2IP-mediated microtubule anchoring. <i>EMBO Reports</i> , 2021 , 22, e52173	6.5	2
43	Optogenetic Modulation of Intraocular Pressure in a Glucocorticoid-Induced Ocular Hypertension Mouse Model. <i>Translational Vision Science and Technology</i> , 2021 , 10, 10	3.3	1
42	Defective INPP5E distribution in NPHP1-related Senior-Loken syndrome. <i>Molecular Genetics & Genomic Medicine</i> , 2021 , 9, e1566	2.3	4
41	Developmental distribution of primary cilia in the retinofugal visual pathway. <i>Journal of Comparative Neurology</i> , 2021 , 529, 1442-1455	3.4	3
40	Primary Cilia in Amacrine Cells in Retinal Development 2021 , 62, 15		2
39	Posttranslational Modification of Sox11 Regulates RGC Survival and Axon Regeneration. <i>ENeuro</i> , 2021 , 8,	3.9	9
38	In vivo interactome profiling by enzyme-catalyzed proximity labeling. <i>Cell and Bioscience</i> , 2021 , 11, 27	9.8	5
37	Optogenetic stimulation of phosphoinositides reveals a critical role of primary cilia in eye pressure regulation. <i>Science Advances</i> , 2020 , 6, eaay8699	14.3	7
36	Longitudinal Morphological and Functional Assessment of RGC Neurodegeneration After Optic Nerve Crush in Mouse. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 109	6.1	13
35	In vivo evaluation of retinal ganglion cells and optic nerve integrity in large animals by multi-modality analysis. <i>Experimental Eye Research</i> , 2020 , 197, 108117	3.7	5
34	Gene therapy for neurodegenerative disorders: advances, insights and prospects. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 1347-1359	15.5	26
33	Oculocerebrorenal syndrome of Lowe: Survey of ophthalmic presentations and management. <i>European Journal of Ophthalmology</i> , 2020 , 30, 966-973	1.9	4

32	Comparing silicone oil-induced ocular hypertension with other inducible glaucoma models in mice. <i>Neural Regeneration Research</i> , 2020 , 15, 1652-1653	4.5	2
31	Inhibition of GSK-3 β dissociates cell death and axon regeneration in CNS neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33597-33607	11.5	9
30	Coupled Control of Distal Axon Integrity and Somal Responses to Axonal Damage by the Palmitoyl Acyltransferase ZDHHC17. <i>Cell Reports</i> , 2020 , 33, 108365	10.6	4
29	Mouse β Synuclein Promoter-Mediated Gene Expression and Editing in Mammalian Retinal Ganglion Cells. <i>Journal of Neuroscience</i> , 2020 , 40, 3896-3914	6.6	19
28	Increased ER Stress After Experimental Ischemic Optic Neuropathy and Improved RGC and Oligodendrocyte Survival After Treatment With Chemical Chaperon 2019 , 60, 1953-1966		9
27	Silicone oil-induced ocular hypertension and glaucomatous neurodegeneration in mouse. <i>ELife</i> , 2019 , 8,	8.9	17
26	AKT-dependent and -independent pathways mediate PTEN deletion-induced CNS axon regeneration. <i>Cell Death and Disease</i> , 2019 , 10, 203	9.8	25
25	Role of Translational Attenuation in Inherited Retinal Degeneration 2019 , 60, 4849-4857		4
24	Lab review: Molecular dissection of the signal transduction pathways associated with PTEN deletion-induced optic nerve regeneration. <i>Restorative Neurology and Neuroscience</i> , 2019 , 37, 545-552	2.8	1
23	A Reversible Silicon Oil-Induced Ocular Hypertension Model in Mice. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	5
22	Coordination of Necessary and Permissive Signals by PTEN Inhibition for CNS Axon Regeneration. <i>Frontiers in Neuroscience</i> , 2018 , 12, 558	5.1	16
21	Loss of OCRL increases ciliary PI(4,5)P in Lowe oculocerebrorenal syndrome. <i>Journal of Cell Science</i> , 2017 , 130, 3447-3454	5.3	31
20	Neuroprotection by eIF2 α inhibition and XBP-1 activation in EAE/optic neuritis. <i>Cell Death and Disease</i> , 2017 , 8, e2936	9.8	29
19	A Robust System for Production of Superabundant VP1 Recombinant AAV Vectors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017 , 7, 146-156	6.4	15
18	Axon injury induced endoplasmic reticulum stress and neurodegeneration. <i>Neural Regeneration Research</i> , 2016 , 11, 1557-1559	4.5	18
17	mTORC1 is necessary but mTORC2 and GSK3 β are inhibitory for AKT3-induced axon regeneration in the central nervous system. <i>ELife</i> , 2016 , 5, e14908	8.9	73
16	Rescue of Glaucomatous Neurodegeneration by Differentially Modulating Neuronal Endoplasmic Reticulum Stress Molecules. <i>Journal of Neuroscience</i> , 2016 , 36, 5891-903	6.6	52
15	Characterization of cells from patient-derived fibrovascular membranes in proliferative diabetic retinopathy. <i>Molecular Vision</i> , 2015 , 21, 673-87	2.3	8

14	The necessary role of mTORC1 in central nervous system axon regeneration. <i>Neural Regeneration Research</i> , 2015 , 10, 186-8	4.5	5
13	The mTORC1 effectors S6K1 and 4E-BP play different roles in CNS axon regeneration. <i>Nature Communications</i> , 2014 , 5, 5416	17.4	67
12	Neuronal endoplasmic reticulum stress in axon injury and neurodegeneration. <i>Annals of Neurology</i> , 2013 , 74, 768-77	9.4	37
11	Differential effects of unfolded protein response pathways on axon injury-induced death of retinal ganglion cells. <i>Neuron</i> , 2012 , 73, 445-52	13.9	137
10	PTEN/mTOR and axon regeneration. <i>Experimental Neurology</i> , 2010 , 223, 45-50	5.7	198
9	IFN-gamma and STAT1 arrest monocyte migration and modulate RAC/CDC42 pathways. <i>Journal of Immunology</i> , 2008 , 180, 8057-65	5.3	45
8	Regulation of STAT pathways and IRF1 during human dendritic cell maturation by TNF-alpha and PGE2. <i>Journal of Leukocyte Biology</i> , 2008 , 84, 1353-60	6.5	19
7	Promoting axon regeneration in the adult CNS by modulation of the PTEN/mTOR pathway. <i>Science</i> , 2008 , 322, 963-6	33.3	1121
6	Apoptotic cells inhibit LPS-induced cytokine and chemokine production and IFN responses in macrophages. <i>Human Immunology</i> , 2007 , 68, 156-64	2.3	43
5	Osteoarthritis and therapy. <i>Arthritis and Rheumatism</i> , 2006 , 55, 493-500		79
4	Costimulation of chemokine receptor signaling by matrix metalloproteinase-9 mediates enhanced migration of IFN-alpha dendritic cells. <i>Journal of Immunology</i> , 2006 , 176, 6022-33	5.3	50
3	IFN-alpha priming results in a gain of proinflammatory function by IL-10: implications for systemic lupus erythematosus pathogenesis. <i>Journal of Immunology</i> , 2004 , 172, 6476-81	5.3	118
2	SARA, a FYVE domain protein, affects Rab5-mediated endocytosis. <i>Journal of Cell Science</i> , 2002 , 115, 4755-63	5.3	60
1	Coupled Control of Distal Axon Integrity and Somal Responses to Axonal Damage by the Palmitoyl Acyltransferase ZDHHC17		1