Christine T Nguyen

List of Publications by Year
in descending order

48	1,109	623188	500791
papers	citations	14 h-index	28 g-index

51	51	51	1579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Eye As a Biomarker for Alzheimer's Disease. Frontiers in Neuroscience, 2016, 10, 536.	1.4	172
2	Non-invasive in vivo hyperspectral imaging of the retina for potential biomarker use in Alzheimerâ€™s disease. Nature Communications, 2019, 10, 4227.	5.8	157
3	Dietary Omega 3 Fatty Acids Decrease Intraocular Pressure with Age by Increasing Aqueous Outflow. , 2007, 48, 756.		71
4	Blood Pressure Modifies Retinal Susceptibility to Intraocular Pressure Elevation. PLoS ONE, 2012, 7, e31104.	1.1	52
5	Investigating structural and biochemical correlates of ganglion cell dysfunction in streptozotocin-induced diabetic rats. Experimental Eye Research, 2009, 88, 1076-1083.	1.2	45
6	Dietary Omega-3 Fatty Acids and Ganglion Cell Function. , 2008, 49, 3586.		43
7	The effect of intraocular and intracranial pressure on retinal structure and function in rats. Physiological Reports, 2015, 3, e12507.	0.7	41
8	Characterization of the Circumlimbal Suture Model of Chronic IOP Elevation in Mice and Assessment of Changes in Gene Expression of Stretch Sensitive Channels. Frontiers in Neuroscience, 2017, 11, 41.	1.4	39
9	Chronic Ocular Hypertension Induced by Circumlimbal Suture in Rats. , 2015, 56, 2811.		36
10	Retinal biomarkers provide â€œinsightâ€•into cortical pharmacology and disease. , 2017, 175, 151-177.		34
11	Retinal Functional and Structural Changes in the 5xFAD Mouse Model of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 862.	1.4	32
12	Using the Electroretinogram to Understand How Intraocular Pressure Elevation Affects the Rat Retina. Journal of Ophthalmology, 2013, 2013, 1-15.	0.6	26
13	Age-Specific Retinal and Cerebral Immunodetection of Amyloid-Î² Plaques and Oligomers in a Rodent Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2020, 76, 1135-1150.	1.2	26
14	Reversal of functional loss in a rat model of chronic intraocular pressure elevation. Ophthalmic and Physiological Optics, 2017, 37, 71-81.	1.0	24
15	Coupling blood flow and neural function in the retina: a model for homeostatic responses to ocular perfusion pressure challenge. Physiological Reports, 2013, 1, e00055.	0.7	22
16	Dietary Ï‰-3 Deficiency and IOP Insult Are Additive Risk Factors for Ganglion Cell Dysfunction. Journal of Glaucoma, 2013, 22, 269-277.	0.8	21
17	Age-Related Retinal Function Changes in Albino and Pigmented Rats. , 2011, 52, 8891.		20
18	The Effect of Ageing on Ocular Blood Flow, Oxygen Tension and Retinal Function during and after Intraocular Pressure Elevation. PLoS ONE, 2014, 9, e98393.	1.1	20

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19	Quantitative Spatial and Temporal Analysis of Fluorescein Angiography Dynamics in the Eye. PLoS ONE, 2014, 9, e111330.	1.1	17
20	Reversibility of Retinal Ganglion Cell Dysfunction From Chronic IOP Elevation. , 2019, 60, 3878.		17
21	Identifying Cell Class Specific Losses from Serially Generated Electroretinogram Components. BioMed Research International, 2013, 2013, 1-15.	0.9	15
22	Retinal and Cortical Blood Flow Dynamics Following Systemic Blood-Neural Barrier Disruption. Frontiers in Neuroscience, 2017, 11, 568.	1.4	15
23	Conscious Wireless Electroretinogram and Visual Evoked Potentials in Rats. PLoS ONE, 2013, 8, e74172.	1.1	14
24	Chronic Hypertension Increases Susceptibility to Acute IOP Challenge in Rats. Investigative Ophthalmology and Visual Science, 2014, 55, 7888-7895.	3.3	13
25	Contrast-based sensorless adaptive optics for retinal imaging. Biomedical Optics Express, 2015, 6, 3577.	1.5	12
26	Systemic hypertension is not protective against chronic intraocular pressure elevation in a rodent model. Scientific Reports, 2018, 8, 7107.	1.6	11
27	Age-related changes in the response of retinal structure, function and blood flow to pressure modification in rats. Scientific Reports, 2018, 8, 2947.	1.6	10
28	Therapeutic applications of chelating drugs in iron metabolic disorders of the brain and retina. Journal of Neuroscience Research, 2020, 98, 1889-1904.	1.3	10
29	Response of the Trilaminar Retinal Vessel Network to Intraocular Pressure Elevation in Rat Eyes. , 2020, 61, 2.		10
30	Increased Susceptibility to Injury in Older Eyes. Optometry and Vision Science, 2013, 90, 275-281.	0.6	9
31	Simultaneous Recording of Electroretinography and Visual Evoked Potentials in Anesthetized Rats. Journal of Visualized Experiments, 2016, , .	0.2	9
32	Editorial: Seeing Beyond the Eye: The Brain Connection. Frontiers in Neuroscience, 2021, 15, 719717.	1.4	9
33	End-of-Life Healthcare Utilization of Older Mexican Americans With and Without a Diagnosis of Alzheimerâ€™s Disease and Related Dementias. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 326-332.	1.7	7
34	Retinal hyperspectral imaging in the 5xFAD mouse model of Alzheimerâ€™s disease. Scientific Reports, 2021, 11, 6387.	1.6	7
35	Tyro3 Contributes to Retinal Ganglion Cell Function, Survival and Dendritic Density in the Mouse Retina. Frontiers in Neuroscience, 2020, 14, 840.	1.4	6
36	Characterization of retinal function and structure in the MPTP murine model of Parkinsonâ€™s disease. Scientific Reports, 2022, 12, 7610.	1.6	6

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37	Retinal Electrophysiology Is a Viable Preclinical Biomarker for Drug Penetrance into the Central Nervous System. Journal of Ophthalmology, 2016, 2016, 1-12.	0.6	5
38	Intraocular Pressure Induced Retinal Changes Identified Using Synchrotron Infrared Microscopy. PLoS ONE, 2016, 11, e0164035.	1.1	5
39	Increased episcleral venous pressure in a mouse model of circumlimbal suture induced ocular hypertension. Experimental Eye Research, 2021, 202, 108348.	1.2	5
40	Progressive impairments in executive function in the APP/PS1 model of Alzheimer's disease as measured by translatable touchscreen testing. Neurobiology of Aging, 2021, 108, 58-71.	1.5	4
41	A Model of Glaucoma Induced by Circumlimbal Suture in Rats and Mice. Journal of Visualized Experiments, 2018, , .	0.2	3
42	Effects of Excess Iron on the Retina: Insights From Clinical Cases and Animal Models of Iron Disorders. Frontiers in Neuroscience, 2021, 15, 794809.	1.4	3
43	Ocular Phenotype of Relaxin Gene Knockout (Rln ^{-/-}) Mice. Current Eye Research, 2020, 45, 1211-1221.	0.7	2
44	Comparing activity analyses for improved accuracy and sensitivity of drug detection. Journal of Neuroscience Methods, 2012, 204, 374-378.	1.3	1
45	Conversion of primary to phacomorphic angleâ€closure glaucoma: case report. Australasian journal of optometry, The, 2016, 99, 604-606.	0.6	1
46	White matter tract conductivity is resistant to wide variations in paranodal structure and myelin thickness accompanying the loss of Tyro3: an experimental and simulated analysis. Brain Structure and Function, 2022, , 1.	1.2	1
47	Implantation and Recording of Wireless Electroretinogram and Visual Evoked Potential in Conscious Rats. Journal of Visualized Experiments, 2016, , .	0.2	0
48	Response of theÂRat Optic Nerve to Acute Intraocular and Intracranial Pressure Changes. Advances in Visual Science and Eye Diseases, 2019, , 159-165.	0.1	0