

# Bang V Bui

## List of Publications by Citations

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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.

160  
papers

4,320  
citations

37  
h-index

59  
g-index

171  
ext. papers

4,885  
ext. citations

4.4  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
160	Efficient and unbiased modifications of the QUEST threshold method: theory, simulations, experimental evaluation and practical implementation. <i>Vision Research</i> , <b>1994</b> , 34, 885-912	2.1	325
159	Ganglion cell contributions to the rat full-field electroretinogram. <i>Journal of Physiology</i> , <b>2004</b> , 555, 153-739	3.9	176
158	The gradient of retinal functional changes during acute intraocular pressure elevation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 202-13		131
157	Selective ganglion cell functional loss in rats with experimental glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 1854-62		130
156	The Eye As a Biomarker for Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 536	5.1	129
155	Perinatal omega-3 fatty acid deficiency affects blood pressure later in life. <i>Nature Medicine</i> , <b>2001</b> , 7, 258-9.5	9.5	122
154	Paired-flash identification of rod and cone dysfunction in the diabetic rat. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4592-600		117
153	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo <b>2016</b> , 57, 3470-6		97
152	Properties of perimetric threshold estimates from full threshold, ZEST, and SITA-like strategies, as determined by computer simulation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 4787-95		94
151	Early inner retinal dysfunction in streptozotocin-induced diabetic rats <b>2008</b> , 49, 3595-604		89
150	The role of blood pressure in glaucoma. <i>Australasian journal of optometry, The</i> , <b>2011</b> , 94, 133-49	2.7	88
149	The effect of docosahexaenoic acid on the electroretinogram of the guinea pig. <i>Lipids</i> , <b>1996</b> , 31, 65-70	1.6	88
148	Increased blood pressure later in life may be associated with perinatal n-3 fatty acid deficiency. <i>Lipids</i> , <b>2003</b> , 38, 459-64	1.6	81
147	Non-invasive in vivo hyperspectral imaging of the retina for potential biomarker use in Alzheimer's disease. <i>Nature Communications</i> , <b>2019</b> , 10, 4227	17.4	77
146	The rate of functional recovery from acute IOP elevation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 4872-80		69
145	Evidence for the involvement of purinergic P2X receptors in outer retinal processing. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 7-19	3.5	66
144	Chronic ischemia induces regional axonal damage in experimental primate optic neuropathy. <i>JAMA Ophthalmology</i> , <b>2004</b> , 122, 1517-25		63

143	Retinal and choroidal TGF-beta in the tree shrew model of myopia: isoform expression, activation and effects on function. <i>Experimental Eye Research</i> , <b>2009</b> , 88, 458-66	3.7	59
142	Rod photoreceptor dysfunction in diabetes: activation, deactivation, and dark adaptation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 3187-94		59
141	Effects of dietary n-3 fatty acid deficiency and repletion in the guinea pig retina. <i>Investigative Ophthalmology and Visual Science</i> , <b>1999</b> , 40, 327-38		59
140	Functional changes in the retina during and after acute intraocular pressure elevation in mice <b>2009</b> , 50, 5732-40		58
139	Dietary omega 3 fatty acids decrease intraocular pressure with age by increasing aqueous outflow. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 756-62		56
138	ACE inhibition salvages the visual loss caused by diabetes. <i>Diabetologia</i> , <b>2003</b> , 46, 401-8	10.3	55
137	Impact of aging and diet restriction on retinal function during and after acute intraocular pressure injury. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 1126.e15-25	5.6	53
136	Manganese-enhanced MRI studies of alterations of intraretinal ion demand in models of ocular injury. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 3796-804		52
135	Effect of dietary n-3 deficiency on the electroretinogram in the guinea pig. <i>Annals of Nutrition and Metabolism</i> , <b>1996</b> , 40, 91-8	4.5	49
134	Glutamate metabolic pathways and retinal function. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 589-99	6	46
133	An acute intraocular pressure challenge to assess retinal ganglion cell injury and recovery in the mouse. <i>Experimental Eye Research</i> , <b>2015</b> , 141, 3-8	3.7	45
132	Blood pressure modifies retinal susceptibility to intraocular pressure elevation. <i>PLoS ONE</i> , <b>2012</b> , 7, e31104	10.4	42
131	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. <i>Documenta Ophthalmologica</i> , <b>2010</b> , 120, 67-86	2.2	42
130	Clinical and experimental links between diabetes and glaucoma. <i>Australasian journal of optometry, The</i> , <b>2011</b> , 94, 4-23	2.7	41
129	Idiopathic bilateral optic atrophy in the rhesus macaque. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 3943-56		41
128	Functional and neurochemical development in the normal and degenerating mouse retina. <i>Journal of Comparative Neurology</i> , <b>2013</b> , 521, 1251-67	3.4	40
127	Investigating structural and biochemical correlates of ganglion cell dysfunction in streptozotocin-induced diabetic rats. <i>Experimental Eye Research</i> , <b>2009</b> , 88, 1076-83	3.7	39
126	Anterior lamina cribrosa insertion in primary open-angle glaucoma patients and healthy subjects. <i>PLoS ONE</i> , <b>2014</b> , 9, e114935	3.7	39

125	Angiotensin type-1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. <i>Journal of Comparative Neurology</i> , <b>2010</b> , 518, 41-63	3-4	37
124	Dietary omega-3 fatty acids and ganglion cell function <b>2008</b> , 49, 3586-94		37
123	Alterations in photoreceptor-bipolar cell signaling following ischemia/reperfusion in the rat retina. <i>Journal of Comparative Neurology</i> , <b>2007</b> , 505, 131-46	3-4	36
122	The contribution of cone responses to rat electroretinograms. <i>Clinical and Experimental Ophthalmology</i> , <b>2001</b> , 29, 193-6	2-4	36
121	Metabolic and functional profiling of the ischemic/reperfused rat retina. <i>Journal of Comparative Neurology</i> , <b>2007</b> , 505, 114-30	3-4	35
120	The effect of intraocular and intracranial pressure on retinal structure and function in rats. <i>Physiological Reports</i> , <b>2015</b> , 3, e12507	2-6	34
119	Local ganglion cell contributions to the macaque electroretinogram revealed by experimental nerve fiber layer bundle defect. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 4567-79		34
118	Retinal function loss after monocarboxylate transport inhibition. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 584-93		33
117	Chronic ocular hypertension induced by circumlimbal suture in rats <b>2015</b> , 56, 2811-20		32
116	Effect of repeated IOP challenge on rat retinal function <b>2008</b> , 49, 3026-34		32
115	Increase in mitochondrial DNA mutations impairs retinal function and renders the retina vulnerable to injury. <i>Aging Cell</i> , <b>2011</b> , 10, 572-83	9-9	31
114	Inter-ocular and inter-session reliability of the electroretinogram photopic negative response (PhNR) in non-human primates. <i>Experimental Eye Research</i> , <b>2004</b> , 78, 83-93	3-7	31
113	Extraction and modelling of oscillatory potentials. <i>Documenta Ophthalmologica</i> , <b>2002</b> , 104, 17-36	2-2	30
112	The contribution of glycolytic and oxidative pathways to retinal photoreceptor function. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 2708-15		30
111	Evidence of Flicker-Induced Functional Hyperaemia in the Smallest Vessels of the Human Retinal Blood Supply. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162621	3-7	30
110	A role for omega-3 polyunsaturated fatty acid supplements in diabetic neuropathy <b>2010</b> , 51, 1755-64		29
109	Characterization of the Circumlimbal Suture Model of Chronic IOP Elevation in Mice and Assessment of Changes in Gene Expression of Stretch Sensitive Channels. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 41	5-1	25
108	Metabolic and functional profiling of the normal rat retina. <i>Journal of Comparative Neurology</i> , <b>2007</b> , 505, 92-113	3-4	24

107	Origin of electroretinogram amplitude growth during light adaptation in pigmented rats. <i>Visual Neuroscience</i> , <b>2006</b> , 23, 155-67	1.7	24
106	Sildenafil alters retinal function in mouse carriers of retinitis pigmentosa. <i>Experimental Eye Research</i> , <b>2014</b> , 128, 43-56	3.7	23
105	Relationship between the magnitude of intraocular pressure during an episode of acute elevation and retinal damage four weeks later in rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e70513	3.7	23
104	Retinal biomarkers provide "insight" into cortical pharmacology and disease. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 175, 151-177	13.9	22
103	Monocarboxylate transport inhibition alters retinal function and cellular amino acid levels. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 1525-37	3.5	22
102	Wavelet analysis reveals dynamics of rat oscillatory potentials. <i>Journal of Neuroscience Methods</i> , <b>2008</b> , 169, 191-200	3	21
101	Development of receptor responses in pigmented and albino guinea-pigs ( <i>Cavia porcellus</i> ). <i>Documenta Ophthalmologica</i> , <b>1999</b> , 99, 151-70	2.2	21
100	Using the electroretinogram to understand how intraocular pressure elevation affects the rat retina. <i>Journal of Ophthalmology</i> , <b>2013</b> , 2013, 262467	2	20
99	Dimethyl sulphoxide dose-response on rat retinal function. <i>Documenta Ophthalmologica</i> , <b>2009</b> , 119, 199-207	2.2	20
98	Correlating retinal function and amino acid immunocytochemistry following post-mortem ischemia. <i>Experimental Eye Research</i> , <b>2003</b> , 77, 125-36	3.7	20
97	Reactivity in the human retinal microvasculature measured during acute gas breathing provocations. <i>Scientific Reports</i> , <b>2017</b> , 7, 2113	4.9	19
96	Simultaneous retinal and cortical visually evoked electrophysiological responses in between migraine attacks. <i>Cephalalgia</i> , <b>2012</b> , 32, 896-907	6.1	19
95	Retinal anatomy and function of the transthyretin null mouse. <i>Experimental Eye Research</i> , <b>2001</b> , 73, 651-9.7	3.7	19
94	Age-Specific Retinal and Cerebral Immunodetection of Amyloid- $\beta$ Plaques and Oligomers in a Rodent Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 76, 1135-1150	4.3	18
93	Reversal of functional loss in a rat model of chronic intraocular pressure elevation. <i>Ophthalmic and Physiological Optics</i> , <b>2017</b> , 37, 71-81	4.1	18
92	Comparison of guinea pig electroretinograms measured with bipolar corneal and unipolar intravitreal electrodes. <i>Documenta Ophthalmologica</i> , <b>1998</b> , 95, 15-34	2.2	18
91	Test-retest reliability of retinal oxygen saturation measurement. <i>Optometry and Vision Science</i> , <b>2014</b> , 91, 608-14	2.1	17
90	The effect of ageing on ocular blood flow, oxygen tension and retinal function during and after intraocular pressure elevation. <i>PLoS ONE</i> , <b>2014</b> , 9, e98393	3.7	17

89	Post-receptor contributions to the rat scotopic electroretinogram a-wave. <i>Documenta Ophthalmologica</i> , <b>2011</b> , 122, 149-56	2.2	16
88	Gene Therapy with Endogenous Inhibitors of Angiogenesis for Neovascular Age-Related Macular Degeneration: Beyond Anti-VEGF Therapy. <i>Journal of Ophthalmology</i> , <b>2015</b> , 2015, 201726	2	15
87	Effect of acute intraocular pressure challenge on rat retinal and cortical function <b>2014</b> , 55, 1067-77		15
86	Dietary B deficiency and IOP insult are additive risk factors for ganglion cell dysfunction. <i>Journal of Glaucoma</i> , <b>2013</b> , 22, 269-77	2.1	15
85	Age-related retinal function changes in albino and pigmented rats <b>2011</b> , 52, 8891-9		15
84	Development of postreceptor function in pigmented and albino guinea pigs. <i>Visual Neuroscience</i> , <b>2001</b> , 18, 605-13	1.7	15
83	Coupling blood flow and neural function in the retina: a model for homeostatic responses to ocular perfusion pressure challenge. <i>Physiological Reports</i> , <b>2013</b> , 1, e00055	2.6	14
82	Electroretinograms of albino and pigmented guinea-pigs ( <i>Cavia porcellus</i> ). <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26 Suppl 1, S98-100		14
81	Glial Cell Contribution to Basal Vessel Diameter and Pressure-Initiated Vascular Responses in Rat Retina <b>2017</b> , 58, 1-8		13
80	Utility of Self-Destructing CRISPR/Cas Constructs for Targeted Gene Editing in the Retina. <i>Human Gene Therapy</i> , <b>2019</b> , 30, 1349-1360	4.8	13
79	Baseline characteristics of the transient pattern electroretinogram in non-human primates: inter-ocular and inter-session variability. <i>Experimental Eye Research</i> , <b>2003</b> , 77, 555-66	3.7	13
78	Retinal Functional and Structural Changes in the 5xFAD Mouse Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 862	5.1	13
77	Gene Therapy Intervention in Neovascular Eye Disease: A Recent Update. <i>Molecular Therapy</i> , <b>2020</b> , 28, 2120-2138	11.7	12
76	Quantitative spatial and temporal analysis of fluorescein angiography dynamics in the eye. <i>PLoS ONE</i> , <b>2014</b> , 9, e111330	3.7	12
75	Posttreatment Intervention With Lycium Barbarum Polysaccharides is Neuroprotective in a Rat Model of Chronic Ocular Hypertension <b>2019</b> , 60, 4606-4618		12
74	Contrast-based sensorless adaptive optics for retinal imaging. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 3577-95	5.5	11
73	Retinal and Cortical Blood Flow Dynamics Following Systemic Blood-Neural Barrier Disruption. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 568	5.1	11
72	Glial and neuronal dysfunction in streptozotocin-induced diabetic rats. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , <b>2011</b> , 4, 42-50		11

71	Multifocal visual evoked potential responses to pattern-reversal, pattern-onset, pattern-offset, and sparse pulse stimuli. <i>Visual Neuroscience</i> , <b>2009</b> , 26, 227-35	1.7	11
70	Fos-tau-LacZ mice expose light-activated pathways in the visual system. <i>NeuroImage</i> , <b>2004</b> , 23, 1027-38	7.9	11
69	Systemic hypertension is not protective against chronic intraocular pressure elevation in a rodent model. <i>Scientific Reports</i> , <b>2018</b> , 8, 7107	4.9	10
68	Chronic hypertension increases susceptibility to acute IOP challenge in rats. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 7888-95		10
67	Identifying cell class specific losses from serially generated electroretinogram components. <i>BioMed Research International</i> , <b>2013</b> , 2013, 796362	3	10
66	Conscious wireless electroretinogram and visual evoked potentials in rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e74172	3.7	10
65	Gene-environment interactions and aging visual function: a classical twin study. <i>Ophthalmology</i> , <b>2009</b> , 116, 263-9	7.3	10
64	A drug-tunable Flt23k gene therapy for controlled intervention in retinal neovascularization. <i>Angiogenesis</i> , <b>2021</b> , 24, 97-110	10.6	10
63	Methods for In Vivo CRISPR/Cas Editing of the Adult Murine Retina. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1715, 113-133	1.4	10
62	A Method Using Goldmann Stimulus Sizes I to V-Measured Sensitivities to Predict Lead Time Gained to Visual Field Defect Detection in Early Glaucoma. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 17	3.3	10
61	Reversibility of Retinal Ganglion Cell Dysfunction From Chronic IOP Elevation <b>2019</b> , 60, 3878-3886		9
60	AAV-mediated gene delivery of the calreticulin anti-angiogenic domain inhibits ocular neovascularization. <i>Angiogenesis</i> , <b>2018</b> , 21, 95-109	10.6	8
59	Simultaneous Recording of Electroretinography and Visual Evoked Potentials in Anesthetized Rats. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	8
58	Susceptibility of streptozotocin-induced diabetic rat retinal function and ocular blood flow to acute intraocular pressure challenge <b>2013</b> , 54, 2133-41		8
57	The many faces of glaucomatous optic neuropathy. <i>Australasian journal of optometry, The</i> , <b>2000</b> , 83, 145-160	1.6	8
56	Blocking endothelial apoptosis revascularizes the retina in a model of ischemic retinopathy. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 4235-4251	15.9	8
55	Application of Pattern Recognition Analysis to Optimize Hemifield Asymmetry Patterns for Early Detection of Glaucoma. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 3	3.3	8
54	How Many Subjects are Needed for a Visual Field Normative Database? A Comparison of Ground Truth and Bootstrapped Statistics. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 1	3.3	8

53	Retinal oxygen saturation: novel analysis method for the oxymap. <i>Optometry and Vision Science</i> , <b>2013</b> , 90, 1104-10	2.1	7
52	The role of histamine in the retina: studies on the Hdc knockout mouse. <i>PLoS ONE</i> , <b>2014</b> , 9, e116025	3.7	7
51	Potential mechanisms of retinal ganglion cell type-specific vulnerability in glaucoma. <i>Australasian journal of optometry, The</i> , <b>2020</b> , 103, 562-571	2.7	7
50	Early Postnatal Hyperoxia in Mice Leads to Severe Persistent Vitreoretinopathy <b>2016</b> , 57, 6513-6526		7
49	Therapeutic applications of chelating drugs in iron metabolic disorders of the brain and retina. <i>Journal of Neuroscience Research</i> , <b>2020</b> , 98, 1889-1904	4.4	6
48	MR-EYE: High-Resolution MRI of the Human Eye and Orbit at Ultrahigh Field (7T). <i>Magnetic Resonance Imaging Clinics of North America</i> , <b>2021</b> , 29, 103-116	1.6	6
47	Electroretinogram Recording in Larval Zebrafish using A Novel Cone-Shaped Sponge-tip Electrode. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	5
46	Response of the Trilaminar Retinal Vessel Network to Intraocular Pressure Elevation in Rat Eyes <b>2020</b> , 61, 2		5
45	Increased susceptibility to injury in older eyes. <i>Optometry and Vision Science</i> , <b>2013</b> , 90, 275-81	2.1	5
44	Postnatal development of flicker sensitivity in guinea pigs. <i>Australasian journal of optometry, The</i> , <b>2001</b> , 84, 270-275	2.7	5
43	Effect of stimulus duration in flicker perimetry. <i>Clinical and Experimental Ophthalmology</i> , <b>2000</b> , 28, 223-224	2.4	5
42	Intraocular Pressure Induced Retinal Changes Identified Using Synchrotron Infrared Microscopy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164035	3.7	5
41	Correspondence Between Behavioral, Physiological, and Anatomical Measurements of Visual Function in Inhibitory Neuron-Ablated Zebrafish <b>2019</b> , 60, 4681-4690		5
40	Experience-dependent development of visual sensitivity in larval zebrafish. <i>Scientific Reports</i> , <b>2019</b> , 9, 18931	4.9	5
39	Uptake, Persistence, and Performance of Weekly Home Monitoring of Visual Field in a Large Cohort of Patients With Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2021</b> , 223, 286-295	4.9	5
38	Optic nerve tissue displacement during mild intraocular pressure elevation: its relationship to central corneal thickness and corneal hysteresis. <i>Ophthalmic and Physiological Optics</i> , <b>2018</b> , 38, 389-399	4.1	5
37	Detection of retinal and blood Aβ oligomers with nanobodies. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2021</b> , 13, e12193	5.2	5
36	Fractalkine-induced microglial vasoregulation occurs within the retina and is altered early in diabetic retinopathy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5



35	Provocative intraocular pressure challenge preferentially decreases venous oxygen saturation despite no reduction in blood flow. <i>Ophthalmic and Physiological Optics</i> , <b>2015</b> , 35, 114-24	4.1	4
34	Management of patients with narrow angles and acute angle-closure glaucoma. <i>Australasian journal of optometry, The</i> , <b>1998</b> , 81, 255-266	2.7	4
33	Hypercapnia Impairs Vasoreactivity to Changes in Blood Pressure and Intraocular Pressure in Rat Retina. <i>Optometry and Vision Science</i> , <b>2019</b> , 96, 470-476	2.1	4
32	Retinal ganglion cell dysfunction in mice following acute intraocular pressure is exacerbated by P2X7 receptor knockout. <i>Scientific Reports</i> , <b>2021</b> , 11, 4184	4.9	4
31	Gene Delivery of Calreticulin Anti-Angiogenic Domain Attenuates the Development of Choroidal Neovascularization in Rats. <i>Human Gene Therapy</i> , <b>2017</b> , 28, 403-414	4.8	3
30	Age-related changes in the response of retinal structure, function and blood flow to pressure modification in rats. <i>Scientific Reports</i> , <b>2018</b> , 8, 2947	4.9	3
29	Electroretinography in streptozotocin diabetic rats following acute intraocular pressure elevation. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 251, 529-35	3.8	3
28	Chronic intraocular pressure elevation impairs autoregulatory capacity in streptozotocin-induced diabetic rat retina. <i>Ophthalmic and Physiological Optics</i> , <b>2015</b> , 35, 125-34	4.1	3
27	Sustained and Transient Contributions to the Rat Dark-Adapted Electroretinogram b-Wave. <i>Journal of Ophthalmology</i> , <b>2013</b> , 2013, 352917	2	3
26	Targeted delivery of LM22A-4 by cubosomes protects retinal ganglion cells in an experimental glaucoma model. <i>Acta Biomaterialia</i> , <b>2021</b> , 126, 433-444	10.8	3
25	Retinal Electrophysiology Is a Viable Preclinical Biomarker for Drug Penetrance into the Central Nervous System. <i>Journal of Ophthalmology</i> , <b>2016</b> , 2016, 5801826	2	3
24	Electrodiagnostic methods in vision. <i>Australasian journal of optometry, The</i> , <b>1996</b> , 79, 131-143	2.7	2
23	Longitudinal outcomes of circumlimbal suture model-induced chronic ocular hypertension in Sprague-Dawley albino rats. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 258, 2715-2728	3.8	2
22	Increased episcleral venous pressure in a mouse model of circumlimbal suture induced ocular hypertension. <i>Experimental Eye Research</i> , <b>2021</b> , 202, 108348	3.7	2
21	A Model of Glaucoma Induced by Circumlimbal Suture in Rats and Mice. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
20	Ocular Phenotype of Relaxin Gene Knockout (Rln) Mice. <i>Current Eye Research</i> , <b>2020</b> , 45, 1211-1221	2.9	1
19	An Efficient Method for Mining Clickstream Patterns. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 572-583	0.9	1
18	Efficiently Measuring Magnocellular and Parvocellular Function in Human Clinical Studies. <i>Translational Vision Science and Technology</i> , <b>2015</b> , 4, 1	3.3	1

17	RESTORING THE OXIDATIVE BALANCE IN AGE-RELATED DISEASES - AN APPROACH IN GLAUCOMA.. <i>Ageing Research Reviews</i> , <b>2022</b> , 75, 101572	12	1
16	Blue Light-Induced Retinal Neuronal Injury and Amelioration by Commercially Available Blue Light-Blocking Lenses.. <i>Life</i> , <b>2022</b> , 12,	3	1
15	Efficacy and dynamics of self-targeting CRISPR/Cas constructs for gene editing in the retina		1
14	Tyro3 Contributes to Retinal Ganglion Cell Function, Survival and Dendritic Density in the Mouse Retina. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 840	5.1	1
13	Downregulation of Retinal Connexin 43 in GFAP-Expressing Cells Modifies Vasoreactivity Induced by Perfusion Ocular Pressure Changes <b>2021</b> , 62, 26		1
12	Ultra-High Field Magnetic Resonance Imaging of the Retrobulbar Optic Nerve, Subarachnoid Space, and Optic Nerve Sheath in Emmetropic and Myopic Eyes. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 8	3.3	1
11	Progressive impairments in executive function in the APP/PS1 model of Alzheimer's disease as measured by translatable touchscreen testing. <i>Neurobiology of Aging</i> , <b>2021</b> , 108, 58-71	5.6	1
10	TAK1 blockade as a therapy for retinal neovascularization		1
9	Effects of Excess Iron on the Retina: Insights From Clinical Cases and Animal Models of Iron Disorders.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 794809	5.1	0
8	Retinal hyperspectral imaging in the 5xFAD mouse model of Alzheimer's disease. <i>Scientific Reports</i> , <b>2021</b> , 11, 6387	4.9	0
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