

# Dao-Yi Yu

## List of Publications by Citations

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174  
papers

5,573  
citations

40  
h-index

68  
g-index

183  
ext. papers

6,283  
ext. citations

4.4  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
174	Oxygen distribution and consumption within the retina in vascularised and avascular retinas and in animal models of retinal disease. <i>Progress in Retinal and Eye Research</i> , <b>2001</b> , 20, 175-208	20.5	435
173	Retinal degeneration and local oxygen metabolism. <i>Experimental Eye Research</i> , <b>2005</b> , 80, 745-51	3.7	247
172	Correlation of histologic and clinical images to determine the diagnostic value of fluorescein angiography for studying retinal capillary detail <b>2010</b> , 51, 5864-9		168
171	Primary angle closure glaucoma: What we know and what we don't know. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 57, 26-45	20.5	151
170	Quantitative morphometry of perifoveal capillary networks in the human retina <b>2012</b> , 53, 5502-14		139
169	Quantitative confocal imaging of the retinal microvasculature in the human retina <b>2012</b> , 53, 5728-36		136
168	Photoreceptor death, trophic factor expression, retinal oxygen status, and photoreceptor function in the P23H rat. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 2013-9		135
167	Laser-induced chorioretinal venous anastomosis for nonischemic central retinal vein occlusion: evaluation of the complications and their risk factors. <i>American Journal of Ophthalmology</i> , <b>1998</b> , 126, 219-29	4.9	133
166	Quantitative Optical Coherence Tomography Angiography of Radial Peripapillary Capillaries in Glaucoma, Glaucoma Suspect, and Normal Eyes. <i>American Journal of Ophthalmology</i> , <b>2016</b> , 170, 41-49	4.9	129
165	Retinal ganglion cells: Energetics, compartmentation, axonal transport, cytoskeletons and vulnerability. <i>Progress in Retinal and Eye Research</i> , <b>2013</b> , 36, 217-46	20.5	121
164	Model of endothelin-1-induced chronic optic neuropathy in rat. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 144-52		120
163	Optic disc movement with variations in intraocular and cerebrospinal fluid pressure. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 3236-42		112
162	Axonal transport and cytoskeletal changes in the laminar regions after elevated intraocular pressure. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 3632-44		107
161	Intraretinal oxygen distribution in the monkey retina and the response to systemic hyperoxia. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 4728-33		91
160	The critical role of the conjunctiva in glaucoma filtration surgery. <i>Progress in Retinal and Eye Research</i> , <b>2009</b> , 28, 303-28	20.5	89
159	Retinal venous pulsation in glaucoma and glaucoma suspects. <i>Ophthalmology</i> , <b>2004</b> , 111, 1489-94	7.3	89
158	Intraretinal oxygen consumption in the rat in vivo. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1922-7		89

157	The distribution of angioarchitectural changes within the vicinity of the arteriovenous crossing in branch retinal vein occlusion. <i>Ophthalmology</i> , <b>1998</b> , 105, 424-7	7.3	82
156	Correlation between the radial peripapillary capillaries and the retinal nerve fibre layer in the normal human retina. <i>Experimental Eye Research</i> , <b>2014</b> , 129, 83-92	3.7	80
155	Microstructure and network organization of the microvasculature in the human macula <b>2010</b> , 51, 6735-43		75
154	Functional and morphological characteristics of the retinal and choroidal vasculature. <i>Progress in Retinal and Eye Research</i> , <b>2014</b> , 40, 53-93	20.5	71
153	Effect of triamcinolone acetonide on vascular endothelial growth factor and occludin levels in branch retinal vein occlusion. <i>American Journal of Ophthalmology</i> , <b>2009</b> , 147, 838-46, 846.e1-2	4.9	66
152	Diabetic retinopathy: early functional changes. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1997</b> , 24, 785-8	3	66
151	Intraretinal oxygen distribution and consumption during retinal artery occlusion and graded hyperoxic ventilation in the rat. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2290-6		64
150	Oxygen distribution in the mouse retina. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 1109-12		64
149	Isolated preparations of ocular vasculature and their applications in ophthalmic research. <i>Progress in Retinal and Eye Research</i> , <b>2003</b> , 22, 135-69	20.5	58
148	The structural relationship between the microvasculature, neurons, and glia in the human retina <b>2010</b> , 51, 447-58		56
147	Retinal capillary perfusion: Spatial and temporal heterogeneity. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 70, 23-54	20.5	55
146	In vivo optical imaging of human retinal capillary networks using speckle variance optical coherence tomography with quantitative clinico-histological correlation. <i>Microvascular Research</i> , <b>2015</b> , 100, 32-9	3.7	54
145	A multi-layer model of retinal oxygen supply and consumption helps explain the muted rise in inner retinal PO <sub>2</sub> during systemic hyperoxia. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2002</b> , 132, 61-6	2.6	53
144	Histomorphometric measurements in human and dog optic nerve and an estimation of optic nerve pressure gradients in human. <i>Experimental Eye Research</i> , <b>2009</b> , 89, 618-28	3.7	51
143	Effect of betaxolol, timolol and nimodipine on human and pig retinal arterioles. <i>Experimental Eye Research</i> , <b>1998</b> , 67, 73-81	3.7	51
142	Quantitative Noninvasive Angiography of the Fovea Centralis Using Speckle Variance Optical Coherence Tomography <b>2015</b> , 56, 5074-86		49
141	Time-dependent effects of elevated intraocular pressure on optic nerve head axonal transport and cytoskeleton proteins. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 986-99		49
140	Retinal vein pulsation is in phase with intracranial pressure and not intraocular pressure <b>2012</b> , 53, 4676-81		48

139	Retinal artery and vein pressures in the dog and their relationship to aortic, intraocular, and cerebrospinal fluid pressures. <i>Microvascular Research</i> , <b>1997</b> , 53, 211-21	3.7	46
138	Choroidal blood flow measured in the dog eye in vivo and in vitro by local hydrogen clearance polarography: validation of a technique and response to raised intraocular pressure. <i>Experimental Eye Research</i> , <b>1988</b> , 46, 289-303	3.7	45
137	Label-Free Density Measurements of Radial Peripapillary Capillaries in the Human Retina. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135151	3.7	42
136	Pathogenesis and intervention strategies in diabetic retinopathy. <i>Clinical and Experimental Ophthalmology</i> , <b>2001</b> , 29, 164-6	2.4	41
135	Quantitative Comparison of Retinal Capillary Images Derived By Speckle Variance Optical Coherence Tomography With Histology <b>2015</b> , 56, 3989-96		40
134	Value of retinal vein pulsation characteristics in predicting increased optic disc excavation. <i>British Journal of Ophthalmology</i> , <b>2007</b> , 91, 441-4	5.5	39
133	Laser-induced changes in intraretinal oxygen distribution in pigmented rabbits. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 988-99		39
132	Retinal venous pulsation: Expanding our understanding and use of this enigmatic phenomenon. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 55, 82-107	20.5	38
131	Morphometric characteristics of central retinal artery and vein endothelium in the normal human optic nerve head <b>2011</b> , 52, 1359-67		38
130	Altered vasoactivity in the early diabetic eye: measured in the isolated perfused rat eye. <i>Experimental Eye Research</i> , <b>1995</b> , 61, 699-711	3.7	38
129	Comparisons Between Histology and Optical Coherence Tomography Angiography of the Periarterial Capillary-Free Zone. <i>American Journal of Ophthalmology</i> , <b>2018</b> , 189, 55-64	4.9	37
128	Cerebrospinal fluid pressure and the eye. <i>British Journal of Ophthalmology</i> , <b>2016</b> , 100, 71-7	5.5	37
127	Outer retinal anoxia during dark adaptation is not a general property of mammalian retinas. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2002</b> , 132, 47-52 <sup>2.6</sup>		36
126	Heterogeneous distribution of axonal cytoskeleton proteins in the human optic nerve. <i>Investigative Ophthalmology and Visual Science</i> , <b>2009</b> , 50, 2824-38		35
125	Surgical management of glaucoma: a review. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 388-99	2.4	33
124	Oxygen supply and consumption in the retina: implications for studies of retinopathy of prematurity. <i>Documenta Ophthalmologica</i> , <b>2010</b> , 120, 99-109	2.2	33
123	Oxygen distribution and consumption in the developing rat retina. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 4072-6		33
122	The force required to induce hemivessel pulsation is associated with the site of maximum field loss in glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1307-12		33

121	Cannabinoid and lipid-mediated vasorelaxation in retinal microvasculature. <i>European Journal of Pharmacology</i> , <b>2014</b> , 735, 105-14	5.3	32
120	Elevated pressure induced astrocyte damage in the optic nerve. <i>Brain Research</i> , <b>2008</b> , 1244, 142-54	3.7	32
119	Systemic and ocular vascular roles of the antiglaucoma agents beta-adrenergic antagonists and Ca <sup>2+</sup> entry blockers. <i>Survey of Ophthalmology</i> , <b>1999</b> , 43 Suppl 1, S214-22	6.1	30
118	Retinal angiography with real-time speckle variance optical coherence tomography. <i>British Journal of Ophthalmology</i> , <b>2015</b> , 99, 1315-9	5.5	29
117	Comparative quantitative study of astrocytes and capillary distribution in optic nerve lamellar regions. <i>Experimental Eye Research</i> , <b>2014</b> , 121, 11-22	3.7	29
116	Necrotic death of neurons following an excitotoxic insult is prevented by a peptide inhibitor of c-jun N-terminal kinase. <i>Journal of Neurochemistry</i> , <b>2007</b> , 102, 65-76	6	29
115	Improved interpretation of flow maps obtained by scanning laser Doppler flowmetry using a rat model of retinal artery occlusion. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 166-74		29
114	Vitreous oxygen tension measurements in the rat eye. <i>Experimental Eye Research</i> , <b>1991</b> , 52, 293-9	3.7	29
113	Heterogeneous endothelial cell structure along the porcine retinal microvasculature. <i>Experimental Eye Research</i> , <b>1997</b> , 65, 379-89	3.7	28
112	Quantitative comparisons between optical coherence tomography angiography and matched histology in the human eye. <i>Experimental Eye Research</i> , <b>2018</b> , 170, 13-19	3.7	27
111	The impact of acutely elevated intraocular pressure on the porcine optic nerve head <b>2011</b> , 52, 6192-8		27
110	Endothelial F-actin cytoskeleton in the retinal vasculature of normal and diabetic rats. <i>Current Eye Research</i> , <b>2005</b> , 30, 279-90	2.9	26
109	Local Modulation of Retinal Vein Tone <b>2016</b> , 57, 412-9		26
108	Relaxation effects of diltiazem, verapamil, and tolazoline on isolated cat ophthalmociliary artery. <i>Experimental Eye Research</i> , <b>1992</b> , 55, 757-66	3.7	25
107	Trends in registered blindness and its causes over 19 years in Western Australia. <i>Ophthalmic Epidemiology</i> , <b>2006</b> , 13, 35-42	1.9	23
106	Pharmacological and mechanical heterogeneity of cat isolated ophthalmociliary artery. <i>Experimental Eye Research</i> , <b>1992</b> , 54, 347-59	3.7	23
105	Time-dependent effects of focal retinal ischemia on axonal cytoskeleton proteins <b>2010</b> , 51, 3019-28		22
104	Optimal conditions required for the creation of an iatrogenic chorioretinal venous anastomosis in the dog using argon green laser photocoagulation. <i>Current Eye Research</i> , <b>1995</b> , 14, 63-70	2.9	22

103	Quantitative Study of the Macular Microvasculature in Human Donor Eyes <b>2018</b> , 59, 108-116		22
102	New observations concerning the nature of central retinal vein pulsation. <i>British Journal of Ophthalmology</i> , <b>2010</b> , 94, 854-7	5.5	21
101	Age-related changes in venous endothelial phenotype at human retinal artery-vein crossing points <b>2012</b> , 53, 1108-16		21
100	Intraretinal oxygenation and oxygen consumption in the rabbit during systemic hyperoxia. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 3223-8		21
99	Role of Endothelium in Abnormal Cannabidiol-Induced Vasoactivity in Retinal Arterioles <b>2015</b> , 56, 4029-37		20
98	Asymmetrical response of the intraluminal and extraluminal surfaces of the porcine retinal artery to exogenous adenosine. <i>Experimental Eye Research</i> , <b>1996</b> , 63, 557-64	3.7	20
97	Intraretinal oxygen tension in the rat eye. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>1991</b> , 229, 574-7	3.8	20
96	Optimizing the calibration and interpretation of dynamic ocular force measurements. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2010</b> , 248, 401-7	3.8	19
95	Photoplethysmographic measurement of various retinal vascular pulsation parameters and measurement of the venous phase delay <b>2014</b> , 55, 5998-6006		18
94	A study of retinal penetration of intravitreal tenecteplase in pigs. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 2662-7		18
93	A pilot study of in vivo venous pressures in the pig retinal circulation. <i>Clinical and Experimental Ophthalmology</i> , <b>2001</b> , 29, 167-70	2.4	18
92	Adrenergic and nitrenergic neurotransmitters are released by the autonomic system of the pig long posterior ciliary artery. <i>Current Eye Research</i> , <b>1994</b> , 13, 907-17	2.9	18
91	Quantitative changes in perifoveal capillary networks in patients with vascular comorbidities <b>2013</b> , 54, 5175-85		17
90	Three-Dimensional Microscopy Demonstrates Series and Parallel Organization of Human Peripapillary Capillary Plexuses <b>2018</b> , 59, 4327-4344		17
89	Case of normal tension glaucoma induced or exacerbated by wearing swimming goggles. <i>Clinical and Experimental Ophthalmology</i> , <b>2010</b> , 38, 428-9	2.4	16
88	Significance of Bruch's membrane in the creation of iatrogenic chorioretinal venous anastomosis. <i>Current Eye Research</i> , <b>1994</b> , 13, 29-33	2.9	16
87	Correlating morphometric parameters of the porcine optic nerve head in spectral domain optical coherence tomography with histological sections. <i>British Journal of Ophthalmology</i> , <b>2011</b> , 95, 585-9	5.5	15
86	Confocal scanning laser Doppler flowmetry in the rat retina: origin of flow signals and dependence on scan depth. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 397-402		15

85	Phenotypic heterogeneity in the endothelium of the human vortex vein system. <i>Experimental Eye Research</i> , <b>2013</b> , 115, 144-52	3.7	14
84	Mitochondrial cytochrome c oxidase expression in the central nervous system is elevated at sites of pressure gradient elevation but not absolute pressure increase. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 2973-82	4.4	14
83	Diabetic retinopathy and the major causes of vision loss in Aboriginals from remote Western Australia. <i>Clinical and Experimental Ophthalmology</i> , <b>2010</b> , 38, 475-82	2.4	14
82	Overview of studies on metabolic and vascular regulatory changes in early diabetic retinopathy. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26, 141-8		14
81	Objective detection of retinal vessel pulsation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116475	3.7	14
80	Three-Dimensional Characterization of the Normal Human Parafoveal Microvasculature Using Structural Criteria and High-Resolution Confocal Microscopy <b>2020</b> , 61, 3		14
79	Astrocytic responses in the lateral geniculate nucleus of monkeys with experimental glaucoma. <i>Veterinary Ophthalmology</i> , <b>2012</b> , 15, 23-30	1.4	13
78	Low oxygen consumption in the inner retina of the visual streak of the rabbit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 286, H419-23	5.2	13
77	Alterations to vascular endothelium in the optic nerve head in patients with vascular comorbidities. <i>Experimental Eye Research</i> , <b>2013</b> , 111, 50-60	3.7	12
76	Inter-Relationship of Arterial Supply to Human Retina, Choroid, and Optic Nerve Head Using Micro Perfusion and Labeling <b>2017</b> , 58, 3565-3574		12
75	Quantitative assessment of the human retinal microvasculature with or without vascular comorbidity. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 8439-52		12
74	Quantitative study of the topographic distribution of conjunctival lymphatic vessels in the monkey. <i>Experimental Eye Research</i> , <b>2012</b> , 94, 90-7	3.7	12
73	Impaired cerebrospinal fluid circulation and its relationship to glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2008</b> , 36, 802-3; author reply 803	2.4	12
72	Intravitreal tenecteplase (metalyse) for acute management of retinal vein occlusions <b>2013</b> , 54, 4910-8		11
71	Effect of acute intraocular pressure elevation on blood flow velocity and resistance in the rabbit ophthalmic artery. <i>Veterinary Ophthalmology</i> , <b>2011</b> , 14, 353-7	1.4	10
70	Developing laser-induced glaucoma in rabbits. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1999</b> , 27, 180-3		10
69	Sectoral variations in the distribution of axonal cytoskeleton proteins in the human optic nerve head. <i>Experimental Eye Research</i> , <b>2014</b> , 128, 141-50	3.7	9
68	Regional heterogeneity of endothelial cells in the porcine vortex vein system. <i>Microvascular Research</i> , <b>2013</b> , 89, 70-9	3.7	9

67	Protective role of endothelial nitric oxide synthase following pressure-induced insult to the optic nerve. <i>Brain Research</i> , <b>2009</b> , 1263, 155-64	3.7	9
66	Comparison of femoral and auricular arterial blood pressure monitoring in pigs. <i>Veterinary Anaesthesia and Analgesia</i> , <b>2009</b> , 36, 457-63	1.3	9
65	Oxygen tension and blood flow in the retina of normal and diabetic rats. <i>Advances in Experimental Medicine and Biology</i> , <b>1992</b> , 317, 787-91	3.6	9
64	Quantitative study of the microvasculature and its endothelial cells in the porcine iris. <i>Experimental Eye Research</i> , <b>2015</b> , 132, 249-58	3.7	8
63	Author response: retinal vein pulsation is in phase with intracranial pressure and not intraocular pressure <b>2012</b> , 53, 6880		8
62	Use of trypan blue to assess lymphatic function following trabeculectomy. <i>Clinical and Experimental Ophthalmology</i> , <b>2019</b> , 47, 892-897	2.4	7
61	Label-free volumetric imaging of conjunctival collecting lymphatics ex vivo by optical coherence tomography lymphangiography. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201800070	3.1	7
60	Intracellular cytoskeleton and junction proteins of endothelial cells in the porcine iris microvasculature. <i>Experimental Eye Research</i> , <b>2015</b> , 140, 106-116	3.7	7
59	An experimental study of VEGF induced changes in vasoactivity in pig retinal arterioles and the influence of an anti-VEGF agent. <i>BMC Ophthalmology</i> , <b>2012</b> , 12, 10	2.3	7
58	Experimental retinal ablation using a fourth-harmonic 266 nm laser coupled with an optical fiber probe. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 1587-93		7
57	Non-Proliferative Diabetic Retinopathy Is Characterized by Nonuniform Alterations of Peripapillary Capillary Networks <b>2020</b> , 61, 39		6
56	Correlation between Histologic and OCT Angiography Analysis of Macular Circulation. <i>Ophthalmology</i> , <b>2019</b> , 126, 1588-1589	7.3	6
55	Management of submacular haemorrhage in age-related macular degeneration with intravitreal tenecteplase. <i>British Journal of Ophthalmology</i> , <b>2010</b> , 94, 260-1	5.5	6
54	Glaucoma and cerebrospinal fluid pressure. <i>Ophthalmology</i> , <b>2008</b> , 115, 2317-8; author reply 2318	7.3	6
53	Tissue oxygen tension and blood-flow changes in rat incisor pulp with graded systemic hyperoxia. <i>Archives of Oral Biology</i> , <b>2002</b> , 47, 239-46	2.8	6
52	In vitro characterization of the mechanical properties of canine ophthalmociliary artery. <i>Experimental Eye Research</i> , <b>1990</b> , 51, 729-34	3.7	6
51	Distribution pattern of axonal cytoskeleton proteins in the human optic nerve head. <i>Neural Regeneration Research</i> , <b>2015</b> , 10, 1198-200	4.5	6
50	Microvascular Density Is Associated With Retinal Ganglion Cell Axonal Volume in the Lamellar Compartments of the Human Optic Nerve Head <b>2018</b> , 59, 1562-1570		6



49	Microvascular Network and Its Endothelial Cells in the Human Iris. <i>Current Eye Research</i> , <b>2018</b> , 43, 67-76	2.9	5
48	Neuronal degeneration and associated alterations in cytokine and protein in an experimental branch retinal venous occlusion model. <i>Experimental Eye Research</i> , <b>2018</b> , 174, 133-146	3.7	5
47	Topographic Distribution of Contractile Protein in the Human Macular Microvasculature <b>2019</b> , 60, 4574-4582		5
46	Quantitative study of age-related endothelial phenotype change in the human vortex vein system. <i>Microvascular Research</i> , <b>2014</b> , 94, 64-72	3.7	5
45	Sphincter activity in retinal arterioles feeding the deeper capillary layer in pig. <i>Current Eye Research</i> , <b>2005</b> , 30, 781-7	2.9	5
44	Vasoactive response of isolated pupal arterioles to endothelin-1. <i>Journal of Endodontics</i> , <b>2004</b> , 30, 149-53	3.7	5
43	The validity of hydrogen clearance measurements of retinal blood flow. <i>Experimental Eye Research</i> , <b>1990</b> , 50, 533-9	3.7	5
42	Evaluation of the ability of a photocoagulator to rupture the retinal vein and Bruch's membrane for potential vein bypass in retinal vein occlusion. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2013</b> , 44, 268-73	1.4	5
41	Associations Between Capillary Diameter, Capillary Density, and Microaneurysms in Diabetic Retinopathy: A High-Resolution Confocal Microscopy Study. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 6	3.3	5
40	Comparison of fluctuating and sustained neural pressure perturbations on axonal transport processes in the optic nerve. <i>Brain Research</i> , <b>2011</b> , 1417, 67-76	3.7	4
39	Ablation of intraocular tissue with fiber-optic probe-delivered 266-nm and 213-nm laser energy <b>2009</b> , 50, 3729-36		4
38	Low power laser treatment of the retina ameliorates neovascularisation in a transgenic mouse model of retinal neovascularisation. <i>Experimental Eye Research</i> , <b>2009</b> , 89, 791-800	3.7	4
37	Structure and function of myelinated nerve fibers in the rabbit eye following ischemia/reperfusion injury. <i>Current Neurovascular Research</i> , <b>2006</b> , 3, 55-65	1.8	4
36	Laser-fiber system for ablation of intraocular tissue using the fourth harmonic of a pulsed Nd:YAG laser. <i>Applied Optics</i> , <b>2007</b> , 46, 413-20	1.7	4
35	Acetylcholine-induced relaxation in rat ocular vasculature. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2000</b> , 16, 447-54	2.6	4
34	Intraretinal oxygen distribution in urethan-induced retinopathy in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H2009-17	5.2	4
33	Optimizing 3D retinal vasculature imaging in diabetic retinopathy using registration and averaging of OCT-A. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 553-570	3.5	4
32	Intraocular Pressure Reduction Is Associated with Reduced Venous Pulsation Pressure. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147915	3.7	4

31	The association between retinal vein pulsation pressure and optic disc haemorrhages in glaucoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182316	3.7	4
30	Regulation of Oxygen Tension in the Mammalian Retina During Systemic Hyperoxia Is Species Dependent. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1072, 241-244	3.6	4
29	Measurement of normal retinal vascular pulse wave attenuation using modified photoplethysmography. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232523	3.7	3
28	Development of a fiber-optic laser delivery system capable of delivering 213 and 266 nm pulsed Nd:YAG laser radiation for tissue ablation in a fluid environment. <i>Applied Optics</i> , <b>2011</b> , 50, 876-85	0.2	3
27	Intravitreal triamcinolone acetonide induced changes in the anterior segment in a pig model of branch retinal vein occlusion. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 249, 215-22	3.8	3
26	Investigation of the safety of tenecteplase to the outer retina. <i>Clinical and Experimental Ophthalmology</i> , <b>2006</b> , 34, 787-93	2.4	3
25	Vasoconstrictive effects of sodium fluorescein on retinal vessels is increased by light exposure. <i>Current Eye Research</i> , <b>2007</b> , 32, 77-81	2.9	3
24	Retinal Cellular Metabolism and its Regulation and Control <b>2009</b> , 69-100		3
23	Long-Term Results Using Gelatin Microfistulae Implantation without Antimetabolite. <i>Ophthalmology</i> , <b>2018</b> , 125, 1828-1829	7.3	3
22	Use of the Retinal Vascular Histology to Validate an Optical Coherence Tomography Angiography Technique. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 29	3.3	3
21	Damping of intraocular pressure fluctuations. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 881-7	2.4	2
20	Vulnerability study of myelinated and unmyelinated nerve fibers in acute ocular hypertension in rabbit. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 6794-6802	2.9	2
19	Ablation of subretinal tissue with optical fiber delivered 266 nm laser pulses. <i>Experimental Eye Research</i> , <b>2010</b> , 91, 257-63	3.7	2
18	Preservation of vasoactive properties of human retinal arteries after cryopreservation. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26 Suppl 1, S59-61		2
17	Study of retinal microvessels in a Rhesus monkey model of chronic high intraocular pressure. <i>Veterinary Ophthalmology</i> , <b>2008</b> , 11, 321-6	1.4	2
16	Use of trypan blue as an aqueous tracer dye to investigate hypotony where cyclodialysis cleft is suspected. <i>Clinical and Experimental Ophthalmology</i> , <b>2019</b> , 47, 904-908	2.4	1
15	Regional differences in endothelial cell cytoskeleton, junctional proteins and phosphorylated tyrosine labeling in the porcine vortex vein system. <i>Experimental Eye Research</i> , <b>2018</b> , 172, 36-44	3.7	1
14	Prevalence of trachoma in school children of remote Western Australian communities between 1992 and 2003. <i>Clinical and Experimental Ophthalmology</i> , <b>2007</b> , 35, 119-23	2.4	1

13	Differentiating Microaneurysm Pathophysiology in Diabetic Retinopathy Through Objective Analysis of Capillary Nonperfusion, Inflammation and Pericytes.. <i>Diabetes</i> , <b>2022</b> ,	0.9	1
12	Author Response: Morphometric Characteristics of Central Retinal Artery and Vein in the Optic Nerve Head of Patients with Diabetes <b>2012</b> , 53, 1637		1
11	Choroidal regulation of oxygen supply to the guinea pig retina. <i>Advances in Experimental Medicine and Biology</i> , <b>1998</b> , 454, 385-9	3.6	1
10	Recurrent Optic Disc Hemorrhage and Its Association with Visual Field Deterioration in Glaucoma. <i>Ophthalmology Glaucoma</i> , <b>2020</b> , 3, 443-452	2.2	0
9	Alpha-Smooth Muscle Actin Expression and Parafoveal Blood Flow Pathways Are Altered in Preclinical Diabetic Retinopathy. <b>2022</b> , 63, 8		0
8	Glaucoma Related Ocular Structure and Function <b>2019</b> , 1-31		
7	Mechanism Theories of Glaucoma <b>2019</b> , 33-66		
6	Retrobulbar axonal degeneration due to optic disc drusen. <i>Clinical and Experimental Ophthalmology</i> , <b>2018</b> , 46, 564-567	2.4	
5	Diabetic retinopathy in Australian Aboriginal people: response. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 185-186	2.4	
4	In Response:. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 172	2.1	
3	Macular Physiology and Its Clinical Significance <b>2020</b> , 15-31		
2	Anatomy and Histology of the Macula <b>2020</b> , 3-14		
1	Quantitative analysis of astrocyte and axonal density relationships: Glia to neuron ratio in the optic nerve laminar regions. <i>Experimental Eye Research</i> , <b>2020</b> , 198, 108154	3.7	