

Leopold Schmetterer

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389
papers

11,426
citations

57
h-index

88
g-index

418
ext. papers

13,610
ext. citations

4.6
avg, IF

6.33
L-index

#	Paper	IF	Citations
389	Artificial intelligence and deep learning in ophthalmology. <i>British Journal of Ophthalmology</i> , 2019 , 103, 167-175	5.5	365
388	Use of laser speckle flowgraphy in ocular blood flow research. <i>Acta Ophthalmologica</i> , 2010 , 88, 723-9	3.7	259
387	Doppler optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , 2014 , 41, 26-43	20.5	238
386	Ocular blood flow and systemic blood pressure in patients with primary open-angle glaucoma and ocular hypertension. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 834-9		198
385	Ocular perfusion pressure and ocular blood flow in glaucoma. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 36-42	5.1	194
384	The complex interaction between ocular perfusion pressure and ocular blood flow - relevance for glaucoma. <i>Experimental Eye Research</i> , 2011 , 93, 141-55	3.7	192
383	Anterior segment optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , 2018 , 66, 132-156	20.5	190
382	Nitric oxide regulates retinal vascular tone in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H631-6	5.2	179
381	Deep learning in ophthalmology: The technical and clinical considerations. <i>Progress in Retinal and Eye Research</i> , 2019 , 72, 100759	20.5	163
380	Exercise training improves vascular endothelial function in patients with type 1 diabetes. <i>Diabetes Care</i> , 2002 , 25, 1795-801	14.6	156
379	Endothelial dysfunction in glaucoma. <i>Acta Ophthalmologica</i> , 2009 , 87, 4-12	3.7	154
378	Role of nitric oxide in the control of ocular blood flow. <i>Progress in Retinal and Eye Research</i> , 2001 , 20, 823-47	20.5	151
377	Bidirectional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities in human retinal vessels. <i>Optics Letters</i> , 2008 , 33, 2967-9	3	150
376	Real-time measurement of in vitro flow by Fourier-domain color Doppler optical coherence tomography. <i>Optics Letters</i> , 2004 , 29, 171-3	3	142
375	A randomised double-masked trial comparing the visual outcome after treatment with ranibizumab or bevacizumab in patients with neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2013 , 97, 266-71	5.5	139
374	Ocular perfusion pressure in glaucoma. <i>Acta Ophthalmologica</i> , 2014 , 92, e252-66	3.7	134
373	Regulation of choroidal blood flow during combined changes in intraocular pressure and arterial blood pressure. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 3768-74		134

372	Use of the retinal vessel analyzer in ocular blood flow research. <i>Acta Ophthalmologica</i> , 2010 , 88, 717-22	3.7	122
371	Ocular blood flow in diabetes and age-related macular degeneration. <i>Canadian Journal of Ophthalmology</i> , 2008 , 43, 295-301	1.4	114
370	Altered nitric oxide system in patients with open-angle glaucoma. <i>JAMA Ophthalmology</i> , 2007 , 125, 494-8		110
369	Assessment of optic disk blood flow in patients with open-angle glaucoma. <i>American Journal of Ophthalmology</i> , 2000 , 130, 589-96	4.9	108
368	Effects of lutein supplementation on macular pigment optical density and visual acuity in patients with age-related macular degeneration 2011 , 52, 8174-8		107
367	Influence of flicker frequency on flicker-induced changes of retinal vessel diameter. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 2721-6		103
366	Measurement of tear film thickness using ultrahigh-resolution optical coherence tomography 2013 , 54, 5578-83		99
365	Response of choroidal blood flow in the foveal region to hyperoxia and hyperoxia-hypercapnia. <i>Current Eye Research</i> , 2000 , 21, 669-676	2.9	97
364	Effects of changes in intraocular pressure on human ocular haemodynamics. <i>Current Eye Research</i> , 1997 , 16, 1024-9	2.9	96
363	Regulation of human retinal blood flow by endothelin-1. <i>Experimental Eye Research</i> , 2003 , 76, 633-40	3.7	96
362	Optical coherence tomography angiography: a review of current and future clinical applications. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 237-245	3.8	90
361	Central corneal thickness measurements with partial coherence interferometry, ultrasound, and the Orbscan system. <i>Ophthalmology</i> , 2004 , 111, 875-9	7.3	88
360	Pharmacotherapy of glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015 , 31, 63-77	2.6	84
359	Use of colour Doppler imaging in ocular blood flow research. <i>Acta Ophthalmologica</i> , 2011 , 89, e609-30	3.7	82
358	Choroidal blood flow and progression of age-related macular degeneration in the fellow eye in patients with unilateral choroidal neovascularization 2010 , 51, 4220-5		77
357	Role of endothelin-1 in choroidal blood flow regulation during isometric exercise in healthy humans. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 728-33		77
356	Choroidal hemodynamic changes during isometric exercise in patients with inactive central serous chorioretinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4717-21		72
355	Impact of hypertension on retinal capillary microvasculature using optical coherence tomographic angiography. <i>Journal of Hypertension</i> , 2019 , 37, 572-580	1.9	72

354	Ocular hemodynamics during isometric exercise. <i>Microvascular Research</i> , 2001 , 61, 1-13	3.7	71
353	Effects of antiglaucoma drugs on ocular hemodynamics in healthy volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 1997 , 61, 583-95	6.1	70
352	RI in central retinal artery as assessed by CDI does not correspond to retinal vascular resistance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H1442-7	5.2	68
351	Optical coherence tomography angiography in acute non-arteritic anterior ischaemic optic neuropathy. <i>British Journal of Ophthalmology</i> , 2017 , 101, 1045-1051	5.5	67
350	Correlation of flicker-induced and flow-mediated vasodilatation in patients with endothelial dysfunction and healthy volunteers. <i>Diabetes Care</i> , 2009 , 32, 1536-41	14.6	66
349	Measurement of the total retinal blood flow using dual beam Fourier-domain Doppler optical coherence tomography with orthogonal detection planes. <i>Biomedical Optics Express</i> , 2014 , 5, 630-42	3.5	65
348	Response of retinal vessels and retrobulbar hemodynamics to intravitreal anti-VEGF treatment in eyes with branch retinal vein occlusion 2011 , 52, 3046-50		65
347	Retinal blood flow during hyperoxia in humans revisited: concerted results using different measurement techniques. <i>Microvascular Research</i> , 2002 , 64, 75-85	3.7	65
346	Ethnic differences of intraocular pressure and central corneal thickness: the Singapore Epidemiology of Eye Diseases study. <i>Ophthalmology</i> , 2014 , 121, 2013-22	7.3	64
345	Effects of endothelin-1 (ET-1) on ocular hemodynamics. <i>Current Eye Research</i> , 1997 , 16, 687-92	2.9	64
344	Medical interventions for primary open angle glaucoma and ocular hypertension. <i>The Cochrane Library</i> , 2007 , CD003167	5.2	64
343	Role of NO in choroidal blood flow regulation during isometric exercise in healthy humans. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 734-9		64
342	Ultrahigh-resolution OCT imaging of the human cornea. <i>Biomedical Optics Express</i> , 2017 , 8, 1221-1239	3.5	63
341	Retinal blood flow in healthy young subjects 2012 , 53, 698-703		63
340	CorneaNet: fast segmentation of cornea OCT scans of healthy and keratoconic eyes using deep learning. <i>Biomedical Optics Express</i> , 2019 , 10, 622-641	3.5	63
339	Measurement of absolute blood flow velocity and blood flow in the human retina by dual-beam bidirectional Doppler fourier-domain optical coherence tomography 2012 , 53, 6062-71		61
338	Neurovascular dysfunction precedes neural dysfunction in the retina of patients with type 1 diabetes 2013 , 54, 842-7		61
337	Reversal of endothelin-1-induced ocular hemodynamic effects by low-dose nifedipine in humans. <i>Clinical Pharmacology and Therapeutics</i> , 1998 , 63, 54-63	6.1	61

336	A simple pain model for the evaluation of analgesic effects of NSAIDs in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , 2003 , 56, 165-72	3.8	61
335	Hyperglycemia affects flicker-induced vasodilation in the retina of healthy subjects. <i>Vision Research</i> , 2003 , 43, 1495-500	2.1	59
334	Pharmacokinetic-pharmacodynamic profile of systemic nitric oxide-synthase inhibition with L-NMMA in humans. <i>British Journal of Clinical Pharmacology</i> , 1999 , 47, 539-44	3.8	59
333	Reduced retinal vessel response to flicker stimulation but not to exogenous nitric oxide in type 1 diabetes 2009 , 50, 4029-32		57
332	How can blood flow be measured?. <i>Survey of Ophthalmology</i> , 2007 , 52 Suppl 2, S134-8	6.1	56
331	A comparison between laser interferometric measurement of fundus pulsation and pneumotometric measurement of pulsatile ocular blood flow. 1. Baseline considerations. <i>Eye</i> , 2000 , 14 (Pt 1), 39-45	4.4	56
330	The effect of inhalation of different mixtures of O ₂ and CO ₂ on ocular fundus pulsations. <i>Experimental Eye Research</i> , 1996 , 63, 351-5	3.7	55
329	Comparison of choroidal and optic nerve head blood flow regulation during changes in ocular perfusion pressure 2012 , 53, 4337-46		54
328	Rofecoxib attenuates both primary and secondary inflammatory hyperalgesia: a randomized, double blinded, placebo controlled crossover trial in the UV-B pain model. <i>Pain</i> , 2005 , 113, 316-322	8	54
327	Comparison of ultrasound pachymetry and partial coherence interferometry in the measurement of central corneal thickness. <i>Journal of Cataract and Refractive Surgery</i> , 2002 , 28, 2142-5	2.3	54
326	Retrobulbar blood flow velocities in open angle glaucoma and their association with mean arterial blood pressure 2010 , 51, 6652-7		53
325	Role of NO in the O ₂ and CO ₂ responsiveness of cerebral and ocular circulation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997 , 273, R2005-12 ^{3.2}		53
324	Optical coherence tomography angiography in diabetic retinopathy: a review of current applications. <i>Eye and Vision (London, England)</i> , 2019 , 6, 37	4.9	52
323	Tear film thickness after treatment with artificial tears in patients with moderate dry eye disease. <i>Cornea</i> , 2015 , 34, 421-6	3.1	51
322	Ocular Blood Flow Measurements in Healthy White Subjects Using Laser Speckle Flowgraphy. <i>PLoS ONE</i> , 2016 , 11, e0168190	3.7	51
321	Effects of adenosine on intraocular pressure, optic nerve head blood flow, and choroidal blood flow in healthy humans. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3110-4		50
320	The effect of systemic nitric oxide-synthase inhibition on ocular fundus pulsations in man. <i>Experimental Eye Research</i> , 1997 , 64, 305-12	3.7	49
319	Effects of acetazolamide on choroidal blood flow. <i>Stroke</i> , 1998 , 29, 997-1001	6.7	49

318	Retinal oximetry: Metabolic imaging for diseases of the retina and brain. <i>Progress in Retinal and Eye Research</i> , 2019 , 70, 1-22	20.5	48
317	Effects of moderate changes in intraocular pressure on ocular hemodynamics in patients with primary open-angle glaucoma and healthy controls. <i>Ophthalmology</i> , 2005 , 112, 1337-42	7.3	48
316	In vivo tear film thickness measurement and tear film dynamics visualization using spectral domain optical coherence tomography. <i>Optics Express</i> , 2015 , 23, 21043-63	3.3	47
315	Effect of dual endothelin receptor blockade on ocular blood flow in patients with glaucoma and healthy subjects 2009 , 50, 358-63		47
314	Short-term increase of intraocular pressure does not alter the response of retinal and optic nerve head blood flow to flicker stimulation. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 1721-5		47
313	Ancestry, Socioeconomic Status, and Age-Related Cataract in Asians: The Singapore Epidemiology of Eye Diseases Study. <i>Ophthalmology</i> , 2015 , 122, 2169-78	7.3	46
312	A Deep Learning Approach to Denoise Optical Coherence Tomography Images of the Optic Nerve Head. <i>Scientific Reports</i> , 2019 , 9, 14454	4.9	46
311	Prevalence, Risk Factors, and Visual Features of Undiagnosed Glaucoma: The Singapore Epidemiology of Eye Diseases Study. <i>JAMA Ophthalmology</i> , 2015 , 133, 938-46	3.9	45
310	Retinal blood flow in type 1 diabetic patients with no or mild diabetic retinopathy during euglycemic clamp. <i>Diabetes Care</i> , 2010 , 33, 2038-42	14.6	44
309	Gender differences in ocular blood flow. <i>Current Eye Research</i> , 2015 , 40, 201-12	2.9	42
308	Characterization of angiotensin-II effects on cerebral and ocular circulation by noninvasive methods. <i>British Journal of Clinical Pharmacology</i> , 1997 , 43, 501-8	3.8	42
307	Effects of sildenafil on retinal blood flow and flicker-induced retinal vasodilatation in healthy subjects. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 4872-6		42
306	Calculation of the diameter of the central retinal artery from noninvasive measurements in humans. <i>Current Eye Research</i> , 2002 , 25, 341-5	2.9	42
305	Unilateral light-dark transitions affect choroidal blood flow in both eyes. <i>Vision Research</i> , 2001 , 41, 2919-24		42
304	Retinal oxygen metabolism during normoxia and hyperoxia in healthy subjects 2014 , 55, 4707-13		41
303	Effect of regular smoking on flicker induced retinal vasodilatation in healthy subjects. <i>Microvascular Research</i> , 2011 , 82, 351-5	3.7	41
302	Flicker light-induced vasodilatation in the human retina: effect of lactate and changes in mean arterial pressure. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 5309-14		40
301	The effect of hyperoxia and hypercapnia on fundus pulsations in the macular and optic disc region in healthy young men. <i>Experimental Eye Research</i> , 1995 , 61, 685-90	3.7	40

300	Age dependence of choroidal blood flow. <i>Journal of the American Geriatrics Society</i> , 1998 , 46, 484-7	5.6	39
299	Effects of peribulbar anesthesia on ocular blood flow in patients undergoing cataract surgery. <i>American Journal of Ophthalmology</i> , 1999 , 127, 645-9	4.9	39
298	Retinal oxygen extraction in humans. <i>Scientific Reports</i> , 2015 , 5, 15763	4.9	38
297	The association between subjective and objective parameters for the assessment of dry-eye syndrome. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1467-72		38
296	Topical fundus pulsation measurement in patients with active central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , 2003 , 121, 975-8		38
295	Retinal oxygen extraction in individuals with type 1 diabetes with no or mild diabetic retinopathy. <i>Diabetologia</i> , 2017 , 60, 1534-1540	10.3	37
294	Twelve-hour reproducibility of retinal and optic nerve blood flow parameters in healthy individuals. <i>Acta Ophthalmologica</i> , 2009 , 87, 875-80	3.7	37
293	Effect of hyaluronic acid on tear film thickness as assessed with ultra-high resolution optical coherence tomography. <i>Acta Ophthalmologica</i> , 2015 , 93, 439-43	3.7	36
292	Optical coherence tomography angiography for the anterior segment. <i>Eye and Vision (London, England)</i> , 2019 , 6, 4	4.9	35
291	Diurnal fluctuation of ocular blood flow parameters in patients with primary open-angle glaucoma and healthy subjects. <i>British Journal of Ophthalmology</i> , 2009 , 93, 486-91	5.5	35
290	Inhaled carbon monoxide increases retinal and choroidal blood flow in healthy humans. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4275-80		35
289	Regulation of optic nerve head blood flow during combined changes in intraocular pressure and arterial blood pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1850-6	7.3	34
288	Impact of systemic vascular risk factors on the choriocapillaris using optical coherence tomography angiography in patients with systemic hypertension. <i>Scientific Reports</i> , 2019 , 9, 5819	4.9	33
287	Assessment of flow dynamics in retinal and choroidal microcirculation. <i>Survey of Ophthalmology</i> , 2018 , 63, 646-664	6.1	33
286	Dove prism based rotating dual beam bidirectional Doppler OCT. <i>Biomedical Optics Express</i> , 2013 , 4, 1188-203	3.0	33
285	Imaging in myopia: potential biomarkers, current challenges and future developments. <i>British Journal of Ophthalmology</i> , 2019 , 103, 855-862	5.5	33
284	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. <i>Npj Digital Medicine</i> , 2019 , 2, 24	15.7	32
283	Comparison of anterior segment optical coherence tomography angiography systems for corneal vascularisation. <i>British Journal of Ophthalmology</i> , 2018 , 102, 873-877	5.5	32

282	Regulation of retinal oxygen metabolism in humans during graded hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1412-8	5.2	32
281	Effect of dorzolamide and timolol on ocular pressure: blood flow relationship in patients with primary open-angle glaucoma and ocular hypertension 2010 , 51, 1289-96		31
280	A randomized, placebo-controlled, double-blind crossover study of the effect of pentoxifylline on ocular fundus pulsations. <i>American Journal of Ophthalmology</i> , 1996 , 121, 169-76	4.9	31
279	Response of retinal blood flow to systemic hyperoxia as measured with dual-beam bidirectional Doppler Fourier-domain optical coherence tomography. <i>PLoS ONE</i> , 2012 , 7, e45876	3.7	30
278	Role of NO in the control of choroidal blood flow during a decrease in ocular perfusion pressure 2009 , 50, 372-7		30
277	Effects of isometric exercise on subfoveal choroidal blood flow in smokers and nonsmokers. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 4859-63		30
276	Hypercapnia-induced cerebral and ocular vasodilation is not altered by glibenclamide in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 278, R1667-73 ^{3.2}		30
275	Nutritional supplements in age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2015 , 93, 105-21	3.7	29
274	A Controlled, Randomized Double-Blind Study to Evaluate the Safety and Efficacy of Chitosan-N-Acetylcysteine for the Treatment of Dry Eye Syndrome. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017 , 33, 375-382	2.6	28
273	Effect of latanoprost on choroidal blood flow regulation in healthy subjects 2011 , 52, 4410-5		28
272	Partial antagonism of endothelin 1-induced vasoconstriction in the human choroid by topical unoprostone isopropyl. <i>JAMA Ophthalmology</i> , 2002 , 120, 348-52		28
271	A comparison between laser interferometric measurement of fundus pulsation and pneumotonometric measurement of pulsatile ocular blood flow. 2. Effects of changes in pCO ₂ and pO ₂ and of isoproterenol. <i>Eye</i> , 2000 , 14 (Pt 1), 46-52	4.4	28
270	Cerebral and ocular hemodynamic effects of sumatriptan in the nitroglycerin headache model. <i>Clinical Pharmacology and Therapeutics</i> , 1996 , 60, 199-205	6.1	28
269	Diabetic Retinopathy in the Asia-Pacific. <i>Asia-Pacific Journal of Ophthalmology</i> , 2018 , 7, 3-16	3.5	28
268	Quantitative Microvascular Analysis With Wide-Field Optical Coherence Tomography Angiography in Eyes With Diabetic Retinopathy. <i>JAMA Network Open</i> , 2020 , 3, e1919469	10.4	27
267	Correlation of optic disc morphology and ocular perfusion parameters in patients with primary open angle glaucoma. <i>Acta Ophthalmologica</i> , 2011 , 89, e544-9	3.7	27
266	Systemic and renal effects of an ET(A) receptor subtype-specific antagonist in healthy subjects. <i>British Journal of Pharmacology</i> , 1998 , 124, 930-4	8.6	27
265	Effect of intravenous administration of sodium-lactate on retinal blood flow in healthy subjects. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3972-6		27

264	Measurements of Retinal Perfusion Using Laser Speckle Flowgraphy and Doppler Optical Coherence Tomography 2016 , 57, 5417-5425		27
263	Association of Systemic Medication Use With Intraocular Pressure in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. <i>JAMA Ophthalmology</i> , 2017 , 135, 196-202 ⁹		26
262	Comparison of Optical Coherence Tomography Angiography to Indocyanine Green Angiography and Slit Lamp Photography for Corneal Vascularization in an Animal Model. <i>Scientific Reports</i> , 2018 , 8, 11493	4.9	26
261	Effects of losartan on cerebral and ocular circulation in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , 1997 , 44, 369-75	3.8	26
260	Partial Blockade of Nitric Oxide Synthase Blunts the Exercise-induced Increase of von Willebrand Factor Antigen and of Factor VIII in Man. <i>Thrombosis and Haemostasis</i> , 1997 , 78, 1268-1271	7	26
259	Optic nerve head and retinal blood flow regulation during isometric exercise as assessed with laser speckle flowgraphy. <i>PLoS ONE</i> , 2017 , 12, e0184772	3.7	25
258	Measurement of retinal oxygen saturation in patients with chronic obstructive pulmonary disease 2013 , 54, 1008-13		25
257	Effects of antioxidants (AREDS medication) on ocular blood flow and endothelial function in an endotoxin-induced model of oxidative stress in humans 2010 , 51, 2-6		25
256	Role of adenosine in the control of choroidal blood flow during changes in ocular perfusion pressure 2011 , 52, 6035-9		25
255	Propranolol and atropine do not alter choroidal blood flow regulation during isometric exercise in healthy humans. <i>Microvascular Research</i> , 2003 , 65, 39-44	3.7	25
254	Effect of Topically Administered Chitosan--acetylcysteine on Corneal Wound Healing in a Rabbit Model. <i>Journal of Ophthalmology</i> , 2017 , 2017, 5192924	2	24
253	Effects of adrenomedullin on ocular hemodynamic parameters in the choroid and the ophthalmic artery. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3947-51		24
252	Future clinical applicability of optical coherence tomography angiography. <i>Australasian journal of optometry, The</i> , 2019 , 102, 260-269	2.7	24
251	Effect of noradrenaline on retinal blood flow in healthy subjects. <i>Ophthalmology</i> , 2002 , 109, 291-5	7.3	23
250	Effects of atropine and propranolol on retinal vessel diameters during isometric exercise. <i>Ophthalmic Research</i> , 2001 , 33, 185-90	2.9	23
249	Role of nitric oxide in hemostatic system activation in vivo in humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995 , 15, 2063-7	9.4	23
248	Retinal microvasculature dysfunction is associated with Alzheimer's disease and mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 161	9	23
247	Ocular blood flow parameters after pars plana vitrectomy in patients with diabetic retinopathy. <i>Retina</i> , 2003 , 23, 192-6	3.6	22

246	Effect of different lubricant eye gels on tear film thickness as measured with ultrahigh-resolution optical coherence tomography. <i>Acta Ophthalmologica</i> , 2017 , 95, e307-e313	3.7	21
245	Laser speckle flowgraphy derived characteristics of optic nerve head perfusion in normal tension glaucoma and healthy individuals: a Pilot study. <i>Scientific Reports</i> , 2018 , 8, 5343	4.9	21
244	Effects of histamine and nitric oxide synthase inhibition on plasma levels of von Willebrand factor antigen. <i>Translational Research</i> , 1998 , 131, 151-6		21
243	Comparison of the autoregulatory mechanisms between middle cerebral artery and ophthalmic artery after thigh cuff deflation in healthy subjects. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 636-40		21
242	Acetazolamide-induced cerebral and ocular vasodilation in humans is independent of nitric oxide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999 , 276, R1661-7	3.2	21
241	Effect of small incision cataract surgery on ocular blood flow in cataract patients. <i>Journal of Cataract and Refractive Surgery</i> , 1999 , 25, 964-8	2.3	21
240	Retinal photograph-based deep learning algorithms for myopia and a blockchain platform to facilitate artificial intelligence medical research: a retrospective multicohort study. <i>The Lancet Digital Health</i> , 2021 , 3, e317-e329	14.4	21
239	Changes in choroidal thickness after intraocular pressure reduction following trabeculectomy. <i>Acta Ophthalmologica</i> , 2016 , 94, 586-91	3.7	21
238	Optical Coherence Tomography Angiography in Diabetes and Diabetic Retinopathy. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	20
237	Effect of pituitary adenylate cyclase activating polypeptide 1-27 on ocular, cerebral and skin blood flow in humans. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998 , 358, 657-62	3.4	20
236	Role of nitric oxide in exercise-induced vasodilation in man. <i>Life Sciences</i> , 1998 , 62, 1035-42	6.8	20
235	Influence of Ginkgo biloba on ocular blood flow. <i>Acta Ophthalmologica</i> , 2007 , 85, 445-9		20
234	LPS-induced microvascular leukocytosis can be assessed by blue-field entoptic phenomenon. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H691-4	5.2	20
233	Response of retinal blood flow to systemic hyperoxia in smokers and nonsmokers. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2005 , 243, 646-52	3.8	20
232	Effect of a Matrix Therapy Agent on Corneal Epithelial Healing After Standard Collagen Cross-linking in Patients With Keratoconus: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2016 , 134, 1169-1176	3.9	20
231	Effect of recombinant human nerve growth factor eye drops in patients with dry eye: a phase IIa, open label, multiple-dose study. <i>British Journal of Ophthalmology</i> , 2020 , 104, 127-135	5.5	19
230	Anatomical and functional changes in the retina in patients with Alzheimer's disease and mild cognitive impairment. <i>Acta Ophthalmologica</i> , 2020 , 98, e914-e921	3.7	19
229	Distinguishing Keratoconic Eyes and Healthy Eyes Using Ultrahigh-Resolution Optical Coherence Tomography-Based Corneal Epithelium Thickness Mapping. <i>American Journal of Ophthalmology</i> , 2018 , 189, 47-54	4.9	19

228	Effect of increased oxygen tension on flicker-induced vasodilatation in the human retina. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 1914-8	7.3	19
227	Vasodilator effects of L-arginine are stereospecific and augmented by insulin in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 284, E1106-11	6	19
226	Optic nerve head blood flow autoregulation during changes in arterial blood pressure in healthy young subjects. <i>PLoS ONE</i> , 2013 , 8, e82351	3.7	19
225	Factors Determining Flicker-Induced Retinal Vasodilation in Healthy Subjects 2016 , 57, 3306-12		19
224	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. <i>Biomedical Optics Express</i> , 2016 , 7, 2650-70	3.5	19
223	Effects of granulocyte colony stimulating factor on retinal leukocyte and erythrocyte flux in the human retina. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 1520-4		19
222	Assessment of choroidal blood flow using laser speckle flowgraphy. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1679-1683	5.5	18
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