

Leopold Schmetterer

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.

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	Evaluation of different OCT systems in quantitative imaging of human Schlemm's canal.. <i>Scientific Reports</i> , 2022 , 12, 1400	4.9	0
388	Longitudinal Study of Optic Disk Perfusion and Retinal Structure in Leber's Hereditary Optic Neuropathy. 2022 , 63, 43		0
387	MACULAR SENSITIVITY AND CAPILLARY PERFUSION IN HIGHLY MYOPIC EYES WITH MYOPIC MACULAR DEGENERATION.. <i>Retina</i> , 2022 , 42, 529-539	3.6	0
386	Outcome Measures for Disease Monitoring in Intraocular Inflammatory and Infectious Diseases (OCTOMERIA): Understanding the Choroid in Uveitis with Optical Coherence Tomography (OCT).. <i>Ocular Immunology and Inflammation</i> , 2022 , 1-19	2.8	
385	Anterior Segment Optical Coherence Tomography Angiography Following Trabecular Bypass Minimally Invasive Glaucoma Surgery.. <i>Frontiers in Medicine</i> , 2022 , 9, 830678	4.9	1
384	Relationship of Quantitative Retinal Capillary Network and Myocardial Remodeling in Systemic Hypertension.. <i>Journal of the American Heart Association</i> , 2022 , e024226	6	1
383	A multi-regression framework to improve diagnostic ability of optical coherence tomography retinal biomarkers to discriminate mild cognitive impairment and Alzheimer's disease.. <i>Alzheimer's Research and Therapy</i> , 2022 , 14, 41	9	0
382	A multi-regression approach to improve optical coherence tomography diagnostic accuracy in multiple sclerosis patients without previous optic neuritis.. <i>NeuroImage: Clinical</i> , 2022 , 34, 103010	5.3	0
381	The New Era of Retinal Imaging in Hypertensive Patients.. <i>Asia-Pacific Journal of Ophthalmology</i> , 2022 , 11, 149-159	3.5	1
380	The Application of Optical Coherence Tomography Angiography in Systemic Hypertension: A Meta-Analysis. <i>Frontiers in Medicine</i> , 2021 , 8, 778330	4.9	2
379	Anterior Segment OCT: Angiography. <i>Essentials in Ophthalmology</i> , 2021 , 159-169	0.2	
378	Retinal Oxygen Metabolism and Haemodynamics in Patients With Multiple Sclerosis and History of Optic Neuritis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 761654	5.1	0
377	Updates in deep learning research in ophthalmology. <i>Clinical Science</i> , 2021 , 135, 2357-2376	6.5	3
376	Interactions of comorbid neuropsychiatric subsyndromes with neurodegenerative and cerebrovascular pathologies on cognition. <i>Neurobiology of Aging</i> , 2021 , 109, 239-246	5.6	1
375	Multivariate Normative Comparison, a Novel Method for Improved Use of Retinal Nerve Fiber Layer Thickness to Detect Early Glaucoma. <i>Ophthalmology Glaucoma</i> , 2021 ,	2.2	1
374	Retinal vessel diameters, flicker-induced retinal vasodilation and retinal oxygen saturation in high- and low-risk pregnancy. <i>Acta Ophthalmologica</i> , 2021 , 99, 628-636	3.7	0
373	New Technologies in Clinical Trials in Corneal Diseases and Limbal Stem Cell Deficiency: Review from the European Vision Institute Special Interest Focus Group Meeting. <i>Ophthalmic Research</i> , 2021 , 64, 145-167	2.9	6

372	Anterior segment optical coherence tomography angiography for iris vasculature in pigmented eyes. <i>British Journal of Ophthalmology</i> , 2021 , 105, 929-934	5.5	3
371	Role of anterior segment optical coherence tomography angiography in assessing limbal vasculature in acute chemical injury of the eye. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	3
370	The Effect of Medical Lowering of Intraocular Pressure on Peripapillary and Macular Blood Flow as Measured by Optical Coherence Tomography Angiography in Treatment-naïve Eyes. <i>Journal of Glaucoma</i> , 2021 , 30, 465-472	2.1	3
369	Optical Coherence Tomography Angiography Monitors Cutaneous Wound Healing under Angiogenesis-Promoting Treatment in Diabetic and Non-Diabetic Mice. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2447	2.6	3
368	A PhaseIII, Multicenter, Randomized, Placebo-Controlled, Double-Masked Trial of a Topical Estradiol Ophthalmic Formulation in Postmenopausal Women with Moderate-to-Severe Dry Eye Disease. <i>Advances in Therapy</i> , 2021 , 38, 1975-1986	4.1	2
367	Macular Microvasculature and Associated Retinal Layer Thickness in Pediatric Amblyopia: Magnification-Corrected Analyses 2021 , 62, 39		2
366	Measuring optic nerve head perfusion to monitor glaucoma: a study on structure-function relationships using laser speckle flowgraphy. <i>Acta Ophthalmologica</i> , 2021 ,	3.7	5
365	Towards Automated gonioscopyA deep learning algorithm for 360°angle assessment by swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
364	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
363	Segregation of neuronal-vascular components in a retinal nerve fiber layer for thickness measurement using OCT and OCT angiography. <i>Biomedical Optics Express</i> , 2021 , 12, 3228-3240	3.5	1
362	Full circumferential morphological analysis of Schlemm's canal in human eyes using megahertz swept source OCT. <i>Biomedical Optics Express</i> , 2021 , 12, 3865-3877	3.5	3
361	Developing a normative database for retinal perfusion using optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2021 , 12, 4032-4045	3.5	1
360	Generative adversarial networks in ophthalmology: what are these and how can they be used?. <i>Current Opinion in Ophthalmology</i> , 2021 , 32, 459-467	5.1	3
359	Anterior Segment Optical Coherence Tomography Angiography Assessment of Corneal Vascularisation After Combined Fine-Needle Diathermy with Subconjunctival Ranibizumab: A Pilot Study. <i>Advances in Therapy</i> , 2021 , 38, 4333-4343	4.1	1
358	Comparison of retinal vessel diameter measurements from swept-source OCT angiography and adaptive optics ophthalmoscope. <i>British Journal of Ophthalmology</i> , 2021 , 105, 426-431	5.5	5
357	Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. <i>British Journal of Ophthalmology</i> , 2021 , 105, 397-402	5.5	6
356	Prevalence, risk factors and impact of posterior staphyloma diagnosed from wide-field optical coherence tomography in Singapore adults with high myopia. <i>Acta Ophthalmologica</i> , 2021 , 99, e144-e153	3.7	8
355	Optic nerve head and peripapillary perfusion as assessed with laser speckle flowgraphy in non-arteritic anterior ischaemic optic neuropathy. <i>Acta Ophthalmologica</i> , 2021 , 99, e445-e446	3.7	4

354	Association of Antihypertensive Medication with Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Thickness. <i>Ophthalmology</i> , 2021 , 128, 393-400	7.3	5
353	Dorzolamide/Timolol Fixed Combination: Learning from the Past and Looking Toward the Future. <i>Advances in Therapy</i> , 2021 , 38, 24-51	4.1	7
352	Choroidal vascularity index: a step towards software as a medical device. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	6
351	Quantitative OCT angiography of the retinal microvasculature and choriocapillaris in highly myopic eyes with myopic macular degeneration. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	6
350	Plexus-specific effect of flicker-light stimulation on the retinal microvasculature assessed with optical coherence tomography angiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H23-H28	5.2	6
349	OCT-GAN: single step shadow and noise removal from optical coherence tomography images of the human optic nerve head. <i>Biomedical Optics Express</i> , 2021 , 12, 1482-1498	3.5	3
348	Deep learning differentiates between healthy and diabetic mouse ears from optical coherence tomography angiography images. <i>Annals of the New York Academy of Sciences</i> , 2021 , 1497, 15-26	6.5	1
347	Choriocapillaris microvasculature dysfunction in systemic hypertension. <i>Scientific Reports</i> , 2021 , 11, 46034.9	4.9	8
346	Framework for quantitative three-dimensional choroidal vasculature analysis using optical coherence tomography. <i>Biomedical Optics Express</i> , 2021 , 12, 4982-4996	3.5	4
345	Ultrawide field, distortion-corrected ocular shape estimation with MHz optical coherence tomography (OCT). <i>Biomedical Optics Express</i> , 2021 , 12, 5770-5781	3.5	2
344	The Effect of Orally Administered Low-Dose Dronabinol on Retinal Blood Flow and Oxygen Metabolism in Healthy Subjects. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2021 , 37, 360-366	2.6	1
343	Role of anterior segment optical coherence tomography angiography in the assessment of acute chemical ocular injury: a pilot animal model study. <i>Scientific Reports</i> , 2021 , 11, 16625	4.9	2
342	An optical coherence photoacoustic microscopy system using a fiber optic sensor. <i>APL Photonics</i> , 2021 , 6, 096103	5.2	2
341	Multi-task learning approach for volumetric segmentation and reconstruction in 3D OCT images.. <i>Biomedical Optics Express</i> , 2021 , 12, 7348-7360	3.5	1
340	A pilot study investigating anterior segment optical coherence tomography angiography as a non-invasive tool in evaluating corneal vascularisation. <i>Scientific Reports</i> , 2021 , 11, 1212	4.9	4
339	Combining OCT and OCTA for Focal Structure-Function Modeling in Early Primary Open-Angle Glaucoma 2021 , 62, 8		1
338	Quantification of intrinsic optical signals in the outer human retina using optical coherence tomography. <i>Annals of the New York Academy of Sciences</i> , 2021 ,	6.5	2
337	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

336	Letter to the Editor on Retinal microvascular attenuation in mental cognitive impairment and Alzheimer's disease by optical coherence tomography angiography. <i>Acta Ophthalmologica</i> , 2020 , 98, e793-e794	3.7	3
335	Diagnostic Ability of Individual Macular Layers by Spectral-Domain OCT in Different Stages of Glaucoma. <i>Ophthalmology Glaucoma</i> , 2020 , 3, 314-326	2.2	7
334	Optical Coherence Tomography Angiography in Diabetes and Diabetic Retinopathy. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	20
333	Cutaneous optical coherence tomography for longitudinal volumetric assessment of intradermal volumes in a mouse model. <i>Scientific Reports</i> , 2020 , 10, 4245	4.9	1
332	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
331	Systemic hypertension associated retinal microvascular changes can be detected with optical coherence tomography angiography. <i>Scientific Reports</i> , 2020 , 10, 9580	4.9	12
330	Longitudinal Structural and Microvascular Observation in RCS Rat Eyes Using Optical Coherence Tomography Angiography 2020 , 61, 54		2
329	Changes in Retinal Blood Flow in Response to an Experimental Increase in IOP in Healthy Participants as Assessed With Doppler Optical Coherence Tomography 2020 , 61, 33		9
328	One year structural and functional glaucoma progression after trabeculectomy. <i>Scientific Reports</i> , 2020 , 10, 2808	4.9	5
327	Letter to the Editor on "Macular OCT-angiography parameters to predict the clinical stage of nonproliferative diabetic retinopathy: an exploratory analysis". <i>Eye</i> , 2020 , 34, 2341-2342	4.4	5
326	The Effect of Orally Administered Dronabinol on Optic Nerve Head Blood Flow in Healthy Subjects-A Randomized Clinical Trial. <i>Clinical Pharmacology and Therapeutics</i> , 2020 , 108, 155-161	6.1	3
325	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
324	Comparison of a commercial spectral-domain OCT and swept-source OCT based on an angiography scan for measuring circumpapillary retinal nerve fibre layer thickness. <i>British Journal of Ophthalmology</i> , 2020 , 104, 974-979	5.5	9
323	Deep learning segmentation for optical coherence tomography measurements of the lower tear meniscus. <i>Biomedical Optics Express</i> , 2020 , 11, 1539-1554	3.5	10
322	Towards label-free 3D segmentation of optical coherence tomography images of the optic nerve head using deep learning. <i>Biomedical Optics Express</i> , 2020 , 11, 6356-6378	3.5	6
321	Effect of spectral leakage on the image formation of Fourier-domain optical coherence tomography. <i>Optics Letters</i> , 2020 , 45, 6394-6397	3	2
320	A pilot study to assess the effect of a three-month vitamin supplementation containing L-methylfolate on systemic homocysteine plasma concentrations and retinal blood flow in patients with diabetes. <i>Molecular Vision</i> , 2020 , 26, 326-333	2.3	3
319	Effect of vessel enhancement filters on the repeatability of measurements obtained from widefield swept-source optical coherence tomography angiography. <i>Scientific Reports</i> , 2020 , 10, 22179	4.9	3

318	Focal Structure-Function Relationships in Primary Open-Angle Glaucoma Using OCT and OCT-A Measurements 2020 , 61, 33		2
317	Techniques and Applications in Skin OCT Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1213, 149-163	3.6	7
316	Imaging in Myopia 2020 , 219-239		4
315	Topical Low Dose Preservative-Free Hydrocortisone Reduces Signs and Symptoms in Patients with Chronic Dry Eye: A Randomized Clinical Trial. <i>Advances in Therapy</i> , 2020 , 37, 329-341	4.1	16
314	Influence of Perfluorohexyloctane Eye Drops on Tear Film Thickness in Patients with Mild to Moderate Dry Eye Disease: A Randomized Controlled Clinical Trial. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020 , 36, 154-161	2.6	11
313	Artificial intelligence and deep learning in glaucoma: Current state and future prospects. <i>Progress in Brain Research</i> , 2020 , 257, 37-64	2.9	3
312	Are choriocapillaris flow void features robust to diurnal variations? A swept-source optical coherence tomography angiography (OCTA) study. <i>Scientific Reports</i> , 2020 , 10, 11249	4.9	11
311	The Association between Tear Film Thickness as Measured with OCT and Symptoms and Signs of Dry Eye Disease: A Pooled Analysis of 6 Clinical Trials. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
310	Approaches to quantify optical coherence tomography angiography metrics. <i>Annals of Translational Medicine</i> , 2020 , 8, 1205	3.2	9
309	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
308	Assessment of Choroidal Neovascularization Perfusion: A Pilot Study With Laser Speckle Flowgraphy. <i>Translational Vision Science and Technology</i> , 2020 , 9, 9	3.3	4
307	Association Between Structure-function Characteristics and Visual Field Outcomes in Glaucoma Subjects With Intraocular Pressure Reduction After Trabeculectomy. <i>Journal of Glaucoma</i> , 2020 , 29, 648-655	2.1	2
306	Automated circumpapillary retinal nerve fiber layer segmentation in high-resolution swept-source OCT. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 1832-1835	0.9	2
305	Novel Approaches for Imaging-Based Diagnosis of Ocular Surface Disease. <i>Diagnostics</i> , 2020 , 10,	3.8	9
304	Volumetric Choroidal Segmentation Using Sequential Deep Learning Approach in High Myopia Subjects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 1286-1289	0.9	3
303	Repeatability and Reproducibility of Total Retinal Blood Flow Measurements Using Bi-Directional Doppler OCT. <i>Translational Vision Science and Technology</i> , 2020 , 9, 34	3.3	5
302	Current and emerging fixed combination therapies in glaucoma: a safety and tolerability review. <i>Expert Opinion on Drug Safety</i> , 2020 , 19, 1445-1460	4.1	4
301	Retinal Neurovascular Coupling in Diabetes. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	13

300	A Minimally Invasive Experimental Model of Acute Ocular Hypertension with Acute Angle Closure Characteristics. <i>Translational Vision Science and Technology</i> , 2020 , 9, 24	3.3	0
299	Compensation of retinal nerve fibre layer thickness as assessed using optical coherence tomography based on anatomical confounders. <i>British Journal of Ophthalmology</i> , 2020 , 104, 282-290	5.5	18
298	Effects of three intravitreal injections of aflibercept on the ocular circulation in eyes with age-related maculopathy. <i>British Journal of Ophthalmology</i> , 2020 , 104, 53-57	5.5	4
297	Optical coherence tomography angiography for the assessment of choroidal vasculature in high myopia. <i>British Journal of Ophthalmology</i> , 2020 , 104, 917-923	5.5	17
296	Effect of Changing Heart Rate on the Ocular Pulse and Dynamic Biomechanical Behavior of the Optic Nerve Head 2020 , 61, 27		2
295	DeshadowGAN: A Deep Learning Approach to Remove Shadows from Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , 2020 , 9, 23	3.3	10
294	Light-induced changes of the subretinal space of the temporal retina observed via optical coherence tomography. <i>Scientific Reports</i> , 2019 , 9, 13632	4.9	6
293	Comparison of optical coherence tomography and high frequency ultrasound imaging in mice for the assessment of skin morphology and intradermal volumes. <i>Scientific Reports</i> , 2019 , 9, 13643	4.9	4
292	Regulation of Choroidal Blood Flow During Isometric Exercise at Different Levels of Intraocular Pressure 2019 , 60, 176-182		7
291	Nitric oxide: a drug target for glaucoma revisited. <i>Drug Discovery Today</i> , 2019 , 24, 1614-1620	8.8	13
290	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
289	Deep learning in ophthalmology: The technical and clinical considerations. <i>Progress in Retinal and Eye Research</i> , 2019 , 72, 100759	20.5	163
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	Vessel density and En-face segmentation of optical coherence tomography angiography to analyse corneal vascularisation in an animal model. <i>Eye and Vision (London, England)</i> , 2019 , 6, 2	4.9	13
286	A New Scoring System for Progressive Keratoconus. <i>JAMA Ophthalmology</i> , 2019 , 137, 617	3.9	3
285	Short-term effect on the ocular circulation induced by unilateral intravitreal injection of aflibercept in age-related maculopathy. <i>Acta Ophthalmologica</i> , 2019 , 97, e927-e932	3.7	2
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	Embedded deep learning in ophthalmology: making ophthalmic imaging smarter. <i>Therapeutic Advances in Ophthalmology</i> , 2019 , 11, 2515841419827172	2	7

282	Optical coherence tomography angiography for the anterior segment. <i>Eye and Vision (London, England)</i> , 2019 , 6, 4	4.9	35
281	Racial differences and determinants of macular thickness profiles in multiethnic Asian population: the Singapore Epidemiology of Eye Diseases Study. <i>British Journal of Ophthalmology</i> , 2019 , 103, 894-899	5.5	10
280	Global Assessment of Retinal Arteriolar, Venular and Capillary Microcirculations Using Fundus Photographs and Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>Scientific Reports</i> , 2019 , 9, 11751	4.9	12
279	Relationship Between the Parameters of Corneal and Fundus Pulse Signals Acquired With a Combined Ultrasound and Laser Interferometry Technique. <i>Translational Vision Science and Technology</i> , 2019 , 8, 15	3.3	2
278	Age-Related Decline of Retinal Oxygen Extraction in Healthy Subjects 2019 , 60, 3162-3169		16
277	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
276	Quantitative analysis of choriocapillaris in non-human primates using swept-source optical coherence tomography angiography (SS-OCTA). <i>Biomedical Optics Express</i> , 2019 , 10, 356-371	3.5	15
275	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
274	Automated segmentation of dermal fillers in OCT images of mice using convolutional neural networks. <i>Biomedical Optics Express</i> , 2019 , 10, 1315-1328	3.5	8
273	Automatic assessment of tear film and tear meniscus parameters in healthy subjects using ultrahigh-resolution optical coherence tomography. <i>Biomedical Optics Express</i> , 2019 , 10, 2744-2756	3.5	11
272	Characterization of dry eye disease in a mouse model by optical coherence tomography and fluorescein staining. <i>Biomedical Optics Express</i> , 2019 , 10, 4884-4895	3.5	3
271	corneal endothelium imaging using ultrahigh resolution OCT. <i>Biomedical Optics Express</i> , 2019 , 10, 5675-5686	3.6	13
270	Intra-session repeatability of quantitative metrics using widefield optical coherence tomography angiography (OCTA) in elderly subjects. <i>Acta Ophthalmologica</i> , 2019 , 98, e570	3.7	12
269	Ultrahigh-resolution anterior segment optical coherence tomography for analysis of corneal microarchitecture during wound healing. <i>Acta Ophthalmologica</i> , 2019 , 97, e761-e771	3.7	9
268	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
267	Optical Coherence Tomography Angiography Imaging to monitor Anti-VEGF treatment of Corneal Vascularization in a Rabbit Model. <i>Scientific Reports</i> , 2019 , 9, 17576	4.9	6
266	Differences in Optic Nerve Head Blood Flow Regulation in Normal Tension Glaucoma Patients and Healthy Controls as Assessed With Laser Speckle Flowgraphy During the Water Drinking Test. <i>Journal of Glaucoma</i> , 2019 , 28, 649-654	2.1	3
265	Age-related changes of individual macular retinal layers among Asians. <i>Scientific Reports</i> , 2019 , 9, 20352	4.9	8

264	Optic nerve head blood flow regulation during changes in arterial blood pressure in patients with primary open-angle glaucoma. <i>Acta Ophthalmologica</i> , 2019 , 97, e36-e41	3.7	17
263	Impact of hypertension on retinal capillary microvasculature using optical coherence tomographic angiography. <i>Journal of Hypertension</i> , 2019 , 37, 572-580	1.9	72
262	Imaging in myopia: potential biomarkers, current challenges and future developments. <i>British Journal of Ophthalmology</i> , 2019 , 103, 855-862	5.5	33
261	Artificial intelligence and deep learning in ophthalmology. <i>British Journal of Ophthalmology</i> , 2019 , 103, 167-175	5.5	365
260	Future clinical applicability of optical coherence tomography angiography. <i>Australasian journal of optometry, The</i> , 2019 , 102, 260-269	2.7	24
259	Inter-relationship between ageing, body mass index, diabetes, systemic blood pressure and intraocular pressure in Asians: 6-year longitudinal study. <i>British Journal of Ophthalmology</i> , 2019 , 103, 196-202	5.5	16
258	Correlation of retinal neurodegeneration with measures of peripheral autonomic neuropathy in type 1 diabetes. <i>Acta Ophthalmologica</i> , 2018 , 96, e804-e810	3.7	12
257	Method comparison of two non-invasive dual-wavelength spectrophotometric retinal oximeters in healthy young subjects during normoxia. <i>Acta Ophthalmologica</i> , 2018 , 96, e614-e618	3.7	8
256	Assessment of choroidal blood flow using laser speckle flowgraphy. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1679-1683	5.5	18
255	Anterior segment optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , 2018 , 66, 132-156	6.5	190
254	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
253	The relationship of dietary fish intake to diabetic retinopathy and retinal vascular caliber in patients with type 2 diabetes. <i>Scientific Reports</i> , 2018 , 8, 730	4.9	7
252	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
251	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
250	Effect of changing from preserved prostaglandins to preservative-free tafluprost in patients with glaucoma on tear film thickness. <i>European Journal of Ophthalmology</i> , 2018 , 28, 385-392	1.9	12
249	Assessment of flow dynamics in retinal and choroidal microcirculation. <i>Survey of Ophthalmology</i> , 2018 , 63, 646-664	6.1	33
248	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
247	Modeling the Origin of the Ocular Pulse and Its Impact on the Optic Nerve Head 2018 , 59, 3997-4010		11

246	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
245	Photoacoustic imaging of lamina cribrosa microcapillaries in porcine eyes. <i>Applied Optics</i> , 2018 , 57, 4865-4871	4.7	15
244	Diabetic Retinopathy in the Asia-Pacific. <i>Asia-Pacific Journal of Ophthalmology</i> , 2018 , 7, 3-16	3.5	28
243	Evaluation of flicker induced hyperemia in the retina and optic nerve head measured by Laser Speckle Flowgraphy. <i>PLoS ONE</i> , 2018 , 13, e0207525	3.7	11
242	Effect of Single Instillation of Two Hyaluronic Acid-Based Topical Lubricants on Tear Film Thickness in Patients with Dry Eye Syndrome. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018 , 34, 605-611	2.6	10
241	Effect of Hyaluronic Acid/Trehalose in Two Different Formulations on Signs and Symptoms in Patients with Moderate to Severe Dry Eye Disease. <i>Journal of Ophthalmology</i> , 2018 , 2018, 4691417	2	10
240	Long-Term Shape, Curvature, and Depth Changes of the Lamina Cribrosa after Trabeculectomy. <i>Ophthalmology</i> , 2018 , 125, 1729-1740	7.3	15
239	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	3.9	26
238	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
237	Comparison of Corneal Biomechanical Properties between Indian and Chinese Adults. <i>Ophthalmology</i> , 2017 , 124, 1271-1279	7.3	8
236	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
235	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
234	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
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