

# Konstantinos Balaskas

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

2,975  
citations

257101

24  
h-index

197535

49  
g-index

89  
all docs

89  
docs citations

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times ranked

3608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of ambient air pollution with age-related macular degeneration and retinal thickness in UK Biobank. <i>British Journal of Ophthalmology</i> , 2022, 106, 705-711.	2.1	33
2	Outcomes following implementation of a high-volume medical retina virtual clinic utilising a diagnostic hub during COVID-19. <i>Eye</i> , 2022, 36, 627-633.	1.1	9
3	Teleophthalmology-enabled and artificial intelligence-ready referral pathway for community optometry referrals of retinal disease (HERMES): a Cluster Randomised Superiority Trial with a linked Diagnostic Accuracy Studyâ€”HERMES study report 1â€”study protocol. <i>BMJ Open</i> , 2022, 12, e055845.	0.8	8
4	Evaluating an automated machine learning model that predicts visual acuity outcomes in patients with neovascular age-related macular degeneration. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, , 1.	1.0	7
5	Enablers and Barriers to Deployment of Smartphone-Based Home Vision Monitoring in Clinical Practice Settings. <i>JAMA Ophthalmology</i> , 2022, 140, 153.	1.4	17
6	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353â€”157 patients in London, UK. <i>BMJ Open</i> , 2022, 12, e058552.	0.8	22
7	Long-term Retinal Morphology and Functional Associations in Treated Neovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2022, 6, 664-675.	1.2	4
8	A virtual-clinic pathway for patients referred from a national diabetes eye screening programme reduces service demands whilst maintaining quality of care. <i>Eye</i> , 2021, 35, 2260-2269.	1.1	10
9	Impact of injection frequency on 5-year real-world visual acuity outcomes of aflibercept therapy for neovascular age-related macular degeneration. <i>Eye</i> , 2021, 35, 409-417.	1.1	15
10	An open-source data set of anti-VEGF therapy in diabetic macular oedema patients over 4 years and their visual acuity outcomes. <i>Eye</i> , 2021, 35, 1354-1364.	1.1	4
11	Quantitative Analysis of OCT for Neovascular Age-Related Macular Degeneration Using Deep Learning. <i>Ophthalmology</i> , 2021, 128, 693-705.	2.5	64
12	Statistical Modelling of the Visual Impact of Subretinal Fluid and Associated Features. <i>Ophthalmology and Therapy</i> , 2021, 10, 127-135.	1.0	2
13	Predicting Incremental and Future Visual Change in Neovascular Age-Related Macular Degeneration Using Deep Learning. <i>Ophthalmology Retina</i> , 2021, 5, 1074-1084.	1.2	23
14	Insights From Survival Analyses During 12 Years of Antiâ€”Vascular Endothelial Growth Factor Therapy for Neovascular Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2021, 139, 57.	1.4	27
15	Unraveling the deep learning gearbox in optical coherence tomography image segmentation towards explainable artificial intelligence. <i>Communications Biology</i> , 2021, 4, 170.	2.0	20
16	Artificial Intelligence to Reduce Ocular Health Disparities: Moving From Concept to Implementation. <i>Translational Vision Science and Technology</i> , 2021, 10, 19.	1.1	23
17	Code-free deep learning for multi-modality medical image classification. <i>Nature Machine Intelligence</i> , 2021, 3, 288-298.	8.3	90
18	Smartphone-based remote monitoring of vision in macular disease enables early detection of worsening pathology and need for intravitreal therapy. <i>BMJ Health and Care Informatics</i> , 2021, 28, e100310.	1.4	15

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19	Predicting sex from retinal fundus photographs using automated deep learning. <i>Scientific Reports</i> , 2021, 11, 10286.	1.6	65
20	FENETRE study: quality-assured follow-up of quiescent neovascular age-related macular degeneration by non-medical practitioners: study protocol and statistical analysis plan for a randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e049411.	0.8	4
21	Quantification of Key Retinal Features in Early and Late Age-Related Macular Degeneration Using Deep Learning. <i>American Journal of Ophthalmology</i> , 2021, 226, 1-12.	1.7	32
22	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2021, 128, 1109-1112.	2.5	16
23	Agreement Between Spectral-Domain and Swept-Source Optical Coherence Tomography Retinal Thickness Measurements in Macular and Retinal Disease. <i>Ophthalmology and Therapy</i> , 2021, 10, 913-922.	1.0	6
24	Fundus Autofluorescence Imaging in Macular Telangiectasia Type 2: MacTel Study Report Number 9. <i>American Journal of Ophthalmology</i> , 2021, 228, 27-34.	1.7	9
25	Cloud-based genomics pipelines for ophthalmology: reviewed from research to clinical practice. <i>Modeling and Artificial Intelligence in Ophthalmology</i> , 2021, 3, 101-140.	0.1	1
26	Validation and Clinical Applicability of Whole-Volume Automated Segmentation of Optical Coherence Tomography in Retinal Disease Using Deep Learning. <i>JAMA Ophthalmology</i> , 2021, 139, 964.	1.4	23
27	Clinically relevant deep learning for detection and quantification of geographic atrophy from optical coherence tomography: a model development and external validation study. <i>The Lancet Digital Health</i> , 2021, 3, e665-e675.	5.9	44
28	Machine Learning Algorithms to Detect Subclinical Keratoconus: Systematic Review. <i>JMIR Medical Informatics</i> , 2021, 9, e27363.	1.3	12
29	Uncovering of intraspecies macular heterogeneity in cynomolgus monkeys using hybrid machine learning optical coherence tomography image segmentation. <i>Scientific Reports</i> , 2021, 11, 20647.	1.6	4
30	Ultra-wide-field imaging assessment of small choroidal pigmented lesions using red and green colour channels. <i>Eye</i> , 2021, 35, 282-288.	1.1	5
31	Dynamic volume-rendered optical coherence tomography pupillometry. <i>Acta Ophthalmologica</i> , 2021, , .	0.6	1
32	Anatomical and functional outcomes following switching from aflibercept to ranibizumab in neovascular age-related macular degeneration in Europe: SAFARI study. <i>British Journal of Ophthalmology</i> , 2020, 104, 493-499.	2.1	22
33	Novel biomarker of sphericity and cylindricity indices in volume-rendering optical coherence tomography angiography in normal and diabetic eyes: a preliminary study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 711-723.	1.0	11
34	Comment on: Trends in Retina Specialist Imaging Utilization From 2012 to 2016 in the United States Medicare Fee-for-Service Population. <i>American Journal of Ophthalmology</i> , 2020, 211, 229.	1.7	8
35	Delivering personalized medicine in retinal care: from artificial intelligence algorithms to clinical application. <i>Current Opinion in Ophthalmology</i> , 2020, 31, 329-336.	1.3	20
36	Will AI Replace Ophthalmologists?. <i>Translational Vision Science and Technology</i> , 2020, 9, 2.	1.1	21

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37	Insights into Systemic Disease through Retinal Imaging-Based Oculomics. <i>Translational Vision Science and Technology</i> , 2020, 9, 6.	1.1	103
38	A Clinician's Guide to Artificial Intelligence: How to Critically Appraise Machine Learning Studies. <i>Translational Vision Science and Technology</i> , 2020, 9, 7.	1.1	109
39	Implementation of a cloud-based referral platform in ophthalmology: making telemedicine services a reality in eye care. <i>British Journal of Ophthalmology</i> , 2020, 104, 312-317.	2.1	65
40	Progression of Retinopathy Secondary to Maternally Inherited Diabetes and Deafness – Evaluation of Predicting Parameters. <i>American Journal of Ophthalmology</i> , 2020, 213, 134-144.	1.7	16
41	Moorfields AMD database report 2: fellow eye involvement with neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2020, 104, 684-690.	2.1	26
42	Health Economic and Safety Considerations for Artificial Intelligence Applications in Diabetic Retinopathy Screening. <i>Translational Vision Science and Technology</i> , 2020, 9, 22.	1.1	39
43	Structure-Function Analysis in Macular Drusen With Mesopic and Scotopic Microperimetry. <i>Translational Vision Science and Technology</i> , 2020, 9, 43.	1.1	6
44	Swept-source optical coherence tomography angiography features of sub-retinal fibrosis in neovascular age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 233-239.	1.3	6
45	Validation of automated artificial intelligence segmentation of optical coherence tomography images. <i>PLoS ONE</i> , 2019, 14, e0220063.	1.1	48
46	Comparing diabetic retinopathy lesions in scanning laser ophthalmoscopy and colour fundus photography. <i>Acta Ophthalmologica</i> , 2019, 97, e1035-e1040.	0.6	7
47	Clinical Outcomes of a Hospital-Based Teleophthalmology Service. <i>Ophthalmology Retina</i> , 2019, 3, 422-428.	1.2	33
48	ECG Analysis and Heartbeat Classification Based on Shallow Neural Networks. , 2019, , .		15
49	Treatment decisions of UK hospital optometrists and ophthalmologists in patients with nAMD: a vignette study. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 432-440.	1.0	1
50	Automated deep learning design for medical image classification by health-care professionals with no coding experience: a feasibility study. <i>The Lancet Digital Health</i> , 2019, 1, e232-e242.	5.9	183
51	A comparison of deep learning performance against health-care professionals in detecting diseases from medical imaging: a systematic review and meta-analysis. <i>The Lancet Digital Health</i> , 2019, 1, e271-e297.	5.9	930
52	One- and two-year visual outcomes from the Moorfields age-related macular degeneration database: a retrospective cohort study and an open science resource. <i>BMJ Open</i> , 2019, 9, e027441.	0.8	25
53	Impact of optical coherence tomography on diagnostic decision-making by UK community optometrists: a clinical vignette study. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 205-215.	1.0	17
54	Psychological and Psychosocial Interventions for Depression and Anxiety in Patients With Age-Related Macular Degeneration: A Systematic Review. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 755-773.	0.6	21

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55	Test performance of optical coherence tomography angiography in detecting retinal diseases: a systematic review and meta-analysis. <i>Eye</i> , 2019, 33, 1327-1338.	1.1	9
56	Effect of total anti-VEGF treatment exposure on patterns of choroidal neovascularisation assessed by optical coherence tomography angiography in age-related macular degeneration: a retrospective case series. <i>BMJ Open Ophthalmology</i> , 2019, 4, e000244.	0.8	6
57	Associations with photoreceptor thickness measures in the UK Biobank. <i>Scientific Reports</i> , 2019, 9, 19440.	1.6	15
58	Features of choroidal naevi on swept source optical coherence tomography angiography and structural reverse flow optical coherence tomography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1319-1323.	1.0	10
59	Reply. <i>American Journal of Ophthalmology</i> , 2018, 187, 167-168.	1.7	0
60	Implementation of medical retina virtual clinics in a tertiary eye care referral centre. <i>British Journal of Ophthalmology</i> , 2018, 102, 1391-1395.	2.1	53
61	Use of a Neural Net to Model the Impact of Optical Coherence Tomography Abnormalities on Vision in Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2018, 185, 94-100.	1.7	35
62	Initiation and maintenance of a Treat-and-Extend regimen for ranibizumab therapy in wet age-related macular degeneration: recommendations from the UK Retinal Outcomes Group. <i>Clinical Ophthalmology</i> , 2018, Volume 12, 1731-1740.	0.9	19
63	Interdevice variability of central corneal thickness measurement. <i>PLoS ONE</i> , 2018, 13, e0203884.	1.1	13
64	Safety and Feasibility of a Novel Sparse Optical Coherence Tomography Device for Patient-Delivered Retina Home Monitoring. <i>Translational Vision Science and Technology</i> , 2018, 7, 8.	1.1	44
65	High-Performance Virtual Reality Volume Rendering of Original Optical Coherence Tomography Point-Cloud Data Enhanced With Real-Time Ray Casting. <i>Translational Vision Science and Technology</i> , 2018, 7, 2.	1.1	28
66	Feasibility Study of Subfoveal Choroidal Thickness Changes in Spectral-Domain Optical Coherence Tomography Measurements of Macular Telangiectasia Type 2. <i>Lecture Notes in Computer Science</i> , 2018, , 303-309.	1.0	0
67	QUANTITATIVE ANALYSIS OF PIGMENT EPITHELIAL DETACHMENT RESPONSE TO DIFFERENT ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR AGENTS IN WET AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2017, 37, 1297-1304.	1.0	19
68	Experience of Anti-VEGF Treatment and Clinical Levels of Depression and Anxiety in Patients With Wet Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2017, 177, 213-224.	1.7	69
69	Swept-Source Optical Coherence Tomography Angiography Findings in Torpedo Maculopathy. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2017, 48, 932-935.	0.4	9
70	A cross-sectional study of submacular thickening in intermediate uveitis and determination of treatment threshold. <i>BMC Ophthalmology</i> , 2016, 16, 59.	0.6	5
71	The Novel Evidenced Assessment of Tortuosity system: interobserver reliability and agreement with clinical assessment. <i>Acta Ophthalmologica</i> , 2016, 94, e421-6.	0.6	3
72	Management of choroidal naevomelanocytic lesions: feasibility and safety of a virtual clinic model. <i>British Journal of Ophthalmology</i> , 2016, 100, 665-670.	2.1	16

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73	Patient Perceptions and Experiences of Stereotactic Radiotherapy for Wet Age-Related Macular Degeneration. <i>European Journal of Ophthalmology</i> , 2016, 26, e80-e82.	0.7	2
74	Psychological impact of anti-VEGF treatments for wet macular degeneration—a review. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1873-1880.	1.0	54
75	Automated Analysis of Vitreous Inflammation Using Spectral-Domain Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2015, 4, 4.	1.1	36
76	ASSOCIATIONS BETWEEN AUTOFLUORESCENCE ABNORMALITIES AND VISUAL ACUITY IN IDIOPATHIC MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , 2014, 34, 1630-1636.	1.0	10
77	Comparison of mathematical morphological descriptors of hyporeflective cavities in optical coherence tomography of patients with macular telangiectasia compared to patients with diabetic maculopathy. <i>Acta Ophthalmologica</i> , 2014, 92, e580-1.	0.6	1
78	Repeatability of visual function measures in age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 201-206.	1.0	13
79	A new drug delivery system inhibits uveitis in an animal model after cataract surgery. <i>International Journal of Pharmaceutics</i> , 2013, 443, 254-261.	2.6	17
80	Peripapillary choroidal neovascularisation in the context of ocular syphilis is sensitive to combination antibiotic and corticosteroid treatment. <i>International Ophthalmology</i> , 2013, 33, 159-162.	0.6	10
81	Differences in spectral absorption properties between active neovascular macular degeneration and mild age related maculopathy. <i>British Journal of Ophthalmology</i> , 2013, 97, 558-560.	2.1	4
82	Retinal Thickening in HLA-B27-Associated Acute Anterior Uveitis: Evolution with Time and Association with Severity of Inflammatory Activity. , 2012, 53, 6171.		29
83	Long-term ranibizumab treatment for choroidal neovascularization secondary to serpiginous choroiditis. <i>Canadian Journal of Ophthalmology</i> , 2012, 47, e15-e17.	0.4	6
84	Infliximab Therapy for a Severe Case of IgG4-related Ocular Adnexal Disorder Recalcitrant to Corticosteroid Treatment. <i>Ocular Immunology and Inflammation</i> , 2012, 20, 478-480.	1.0	14
85	Fluorescein and indocyanine-green angiography in ocular syphilis: an exploratory study. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 721-730.	1.0	14
86	Azithromycin versus Sulfadiazine and Pyrimethamine for non-vision-threatening toxoplasmic retinochoroiditis: A pilot study. <i>Medical Science Monitor</i> , 2012, 18, CR296-CR302.	0.5	32
87	Analysis of significant factors influencing visual acuity in ocular syphilis. <i>British Journal of Ophthalmology</i> , 2011, 95, 1568-1572.	2.1	33