# Ursula M Schmidt-Erfurth

List of Publications by Year
in descending order



Version: 2024-02-01

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|---|---|---|---|
| 279 papers | 18,722 citations | 26567 56 h-index | 15683 125 g-index |
| 287 all docs | 287 docs citations | 287 times ranked | 10294 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Intravitreal Aflibercept (VEGF Trap-Eye) in Wet Age-related Macular Degeneration. Ophthalmology, 2012, 119, 2537-2548. | 2.5 | 1,947 |
| 2 | Unsupervised Anomaly Detection with Generative Adversarial Networks to Guide Marker Discovery. Lecture Notes in Computer Science, 2017, , 146-157. | 1.0 | 1,118 |
| 3 | f-AnoGAN: Fast unsupervised anomaly detection with generative adversarial networks. Medical Image Analysis, 2019, 54, 30-44. | 7.0 | 716 |
| 4 | Intravitreal Aflibercept Injection for Neovascular Age-related Macular Degeneration. Ophthalmology, 2014, 121, 193-201. | 2.5 | 693 |
| 5 | Intravitreal Aflibercept for Diabetic Macular Edema. Ophthalmology, 2014, 121, 2247-2254. | 2.5 | 668 |
| 6 | HAWK and HARRIER: Phase 3, Multicenter, Randomized, Double-Masked Trials of Brolucizumab for Neovascular Age-Related Macular Degeneration. Ophthalmology, 2020, 127, 72-84. | 2.5 | 551 |
| 7 | Artificial intelligence in retina. Progress in Retinal and Eye Research, 2018, 67, 1-29. | 7.3 | 469 |
| 8 | Guidelines for the management of neovascular age-related macular degeneration by the European Society of Retina Specialists (EURETINA). British Journal of Ophthalmology, 2014, 98, 1144-1167. | 2.1 | 463 |
| 9 | Guidelines for the Management of Diabetic Macular Edema by the European Society of Retina Specialists (EURETINA). Ophthalmologica, 2017, 237, 185-222. | 1.0 | 456 |
| 10 | Intravitreal Aflibercept for Diabetic MacularÂEdema. Ophthalmology, 2015, 122, 2044-2052. | 2.5 | 451 |
| 11 | Consensus Nomenclature for Reporting Neovascular Age-Related Macular Degeneration Data. Ophthalmology, 2020, 127, 616-636. | 2.5 | 417 |
| 12 | Fully Automated Detection and Quantification of Macular Fluid in OCT Using Deep Learning. Ophthalmology, 2018, 125, 549-558. | 2.5 | 384 |
| 13 | Efficacy and Safety of Monthly versus Quarterly Ranibizumab Treatment in Neovascular Age-related Macular Degeneration: The EXCITE Study. Ophthalmology, 2011, 118, 831-839. | 2.5 | 353 |
| 14 | Three-Year Outcomes of Individualized Ranibizumab Treatment in Patients with Diabetic Macular Edema. Ophthalmology, 2014, 121, 1045-1053. | 2.5 | 347 |
| 15 | Intravitreal Aflibercept for Diabetic Macular Edema. Ophthalmology, 2016, 123, 2376-2385. | 2.5 | 329 |
| 16 | Retinal pigment epithelium segmentation by polarization sensitive optical coherence tomography. Optics Express, 2008, 16, 16410. | 1.7 | 289 |
| 17 | A paradigm shift in imaging biomarkers in neovascular age-related macular degeneration. Progress in Retinal and Eye Research, 2016, 50, 1-24. | 7.3 | 284 |
| 18 | Three-Dimensional Ultrahigh-Resolution Optical Coherence Tomography of Macular Diseases. Investigative Ophthalmology and Visual Science, 2005, 46, 3393-3402. | 3.3 | 257 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intravitreal Aflibercept Injection for MacularÂEdema Resulting from Central Retinal VeinÂOcclusion. Ophthalmology, 2014, 121, 202-208. | 2.5 | 243 |
| 20 | Polarization sensitive optical coherence tomography in the human eye. Progress in Retinal and Eye Research, 2011, 30, 431-451. | 7.3 | 228 |
| 21 | HAWK and HARRIER. Ophthalmology, 2021, 128, 89-99. | 2.5 | 215 |
| 22 | Intraocular Concentrations of Growth Factors and Cytokines in Retinal Vein Occlusion and the Effect of Therapy with Bevacizumab. , 2009, 50, 1025. | | 202 |
| 23 | 2018 Update on Intravitreal Injections: Euretina Expert Consensus Recommendations. Ophthalmologica, 2018, 239, 181-193. | 1.0 | 195 |
| 24 | Human Macula Investigated In Vivo with Polarization-Sensitive Optical Coherence Tomography. , 2006, 47, 5487. | | 181 |
| 25 | Pigment Epithelial Detachment Followed byÂRetinal Cystoid Degeneration Leads toÂVision Loss in Treatment of Neovascular Age-Related Macular Degeneration. Ophthalmology, 2015, 122, 822-832. | 2.5 | 170 |
| 26 | THE PATHOPHYSIOLOGY OF GEOGRAPHIC ATROPHY SECONDARY TO AGE-RELATED MACULAR DEGENERATION AND THE COMPLEMENT PATHWAY AS A THERAPEUTIC TARGET. Retina, 2017, 37, 819-835. | 1.0 | 157 |
| 27 | Guidelines for the Management of Retinal Vein Occlusion by the European Society of Retina Specialists (EURETINA). Ophthalmologica, 2019, 242, 123-162. | 1.0 | 153 |
| 28 | Morphologic Parameters Relevant for Visual Outcome During Anti-Angiogenic Therapy of Neovascular Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1237-1245. | 2.5 | 146 |
| 29 | Prediction of Individual Disease Conversion in Early AMD Using Artificial Intelligence. , 2018, 59, 3199. | | 144 |
| 30 | Machine Learning to Analyze the Prognostic Value of Current Imaging Biomarkers in Neovascular Age-Related Macular Degeneration. Ophthalmology Retina, 2018, 2, 24-30. | 1.2 | 143 |
| 31 | Intravitreal Aflibercept for Macular Edema Secondary to Central Retinal Vein Occlusion: 18-Month Results of the Phase 3 GALILEO Study. American Journal of Ophthalmology, 2014, 158, 1032-1038.e2. | 1.7 | 142 |
| 32 | Polarization sensitive optical coherence tomography of melanin provides intrinsic contrast based on depolarization. Biomedical Optics Express, 2012, 3, 1670. | 1.5 | 134 |
| 33 | Prediction of Anti-VEGF Treatment Requirements in Neovascular AMD Using a Machine Learning Approach. , 2017, 58, 3240. | | 128 |
| 34 | Morphology and Visual Acuity in Aflibercept and Ranibizumab Therapy for Neovascular Age-Related Macular Degeneration in the VIEW Trials. Ophthalmology, 2016, 123, 1521-1529. | 2.5 | 124 |
| 35 | A view of the current and future role of optical coherence tomography in the management of age-related macular degeneration. Eye, 2017, 31, 26-44. | 1.1 | 113 |
| 36 | Characteristics of severe intraocular inflammation following intravitreal injection of bevacizumab (Avastin). British Journal of Ophthalmology, 2009, 93, 457-462. | 2.1 | 111 |

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|---|---|---|---|
| 37 | A Systematic Comparison of Spectral-Domain Optical Coherence Tomography and Fundus Autofluorescence in Patients with Geographic Atrophy. Ophthalmology, 2011, 118, 1844-1851. | 2.5 | 107 |
| 38 | Drusen volume development over time and its relevance to the course of age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 198-203. | 2.1 | 105 |
| 39 | Characterization of Drusen and Hyperreflective Foci as Biomarkers for Disease Progression in Age-Related Macular Degeneration Using Artificial Intelligence in Optical Coherence Tomography. JAMA Ophthalmology, 2020, 138, 740. | 1.4 | 99 |
| 40 | Segmentation and quantification of retinal lesions in age-related macular degeneration using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 061704. | 1.4 | 98 |
| 41 | Predictive Value of Retinal Morphology forÂVisual Acuity Outcomes of Different Ranibizumab Treatment Regimens for Neovascular AMD. Ophthalmology, 2016, 123, 60-69. | 2.5 | 97 |
| 42 | Retinal optical coherence tomography: past, present and future perspectives. British Journal of Ophthalmology, 2011, 95, 171-177. | 2.1 | 95 |
| 43 | Adaptive optics SLO/OCT for 3D imaging of human photoreceptors in vivo. Biomedical Optics Express, 2014, 5, 439. | 1.5 | 95 |
| 44 | Application of Automated Quantification of Fluid Volumes to Antiâ€“VEGF Therapy of Neovascular Age-Related Macular Degeneration. Ophthalmology, 2020, 127, 1211-1219. | 2.5 | 89 |
| 45 | Exploiting Epistemic Uncertainty of Anatomy Segmentation for Anomaly Detection in Retinal OCT. IEEE Transactions on Medical Imaging, 2020, 39, 87-98. | 5.4 | 88 |
| 46 | Machine Learning of the Progression of Intermediate Age-Related Macular Degeneration Based on OCT Imaging. , 2017, 58, BIO141. | | 87 |
| 47 | Joint retinal layer and fluid segmentation in OCT scans of eyes with severe macular edema using unsupervised representation and auto-context. Biomedical Optics Express, 2017, 8, 1874. | 1.5 | 82 |
| 48 | Correlation of 3-Dimensionally Quantified Intraretinal and Subretinal Fluid With Visual Acuity in Neovascular Age-Related Macular Degeneration. JAMA Ophthalmology, 2016, 134, 182. | 1.4 | 80 |
| 49 | Management of neovascular age-related macular degeneration. Progress in Retinal and Eye Research, 2007, 26, 437-451. | 7.3 | 79 |
| 50 | Proteomic analysis of human cataract aqueous humour: Comparison of one-dimensional gel LCMS with two-dimensional LCMS of unlabelled and iTRAQÂ®-labelled specimens. Journal of Proteomics, 2011, 74, 151-166. | 1.2 | 79 |
| 51 | Time Course and Morphology of Vascular Effects Associated with Photodynamic Therapy. Ophthalmology, 2005, 112, 2061-2069. | 2.5 | 76 |
| 52 | Influence of the Vitreomacular Interface onÂOutcomes of Ranibizumab Therapy inÂNeovascular Age-related Macular Degeneration. Ophthalmology, 2013, 120, 2620-2629. | 2.5 | 74 |
| 53 | Response of Retinal Vessels and Retrobulbar Hemodynamics to Intravitreal Anti-VEGF Treatment in Eyes with Branch Retinal Vein Occlusion. , 2011, 52, 3046. | | 73 |
| 54 | Identification and clinical role of choroidal neovascularization characteristics based on optical coherence tomography angiography. Acta Ophthalmologica, 2017, 95, 414-420. | 0.6 | 71 |

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|---|---|---|---|
| 55 | Three-Dimensional Automated Choroidal Volume Assessment on Standard Spectral-Domain Optical Coherence Tomography and Correlation With the Level ofÂDiabetic Macular Edema. American Journal of Ophthalmology, 2014, 158, 1039-1048.e1. | 1.7 | 70 |
| 56 | Progression of Retinal Pigment Epithelial Atrophy in Antiangiogenic Therapy of Neovascular Age-Related Macular Degeneration. American Journal of Ophthalmology, 2015, 159, 1100-1114.e1. | 1.7 | 70 |
| 57 | An optical coherence tomography-based grading of diabetic maculopathy proposed by an international expert panel: The European School for Advanced Studies in Ophthalmology classification. European Journal of Ophthalmology, 2020, 30, 8-18. | 0.7 | 70 |
| 58 | Intraretinal cysts are the most relevant prognostic biomarker in neovascular age-related macular degeneration independent of the therapeutic strategy. British Journal of Ophthalmology, 2014, 98, 1629-1635. | 2.1 | 67 |
| 59 | Unsupervised Identification of Disease Marker Candidates in Retinal OCT Imaging Data. IEEE Transactions on Medical Imaging, 2019, 38, 1037-1047. | 5.4 | 67 |
| 60 | Visualization of micro-capillaries using optical coherence tomography angiography with and without adaptive optics. Biomedical Optics Express, 2017, 8, 207. | 1.5 | 64 |
| 61 | Predicting Semantic Descriptions from Medical Images with Convolutional Neural Networks. Lecture Notes in Computer Science, 2015, 24, 437-448. | 1.0 | 64 |
| 62 | Inter-expert and Intra-expert Agreement on the Diagnosis and Treatment of Retinopathy of Prematurity. American Journal of Ophthalmology, 2015, 160, 553-560.e3. | 1.7 | 60 |
| 63 | Comparison of penetration depth in choroidal imaging using swept source vs spectral domain optical coherence tomography. Eye, 2015, 29, 409-415. | 1.1 | 54 |
| 64 | Randomized Trial to Evaluate Tandospirone in Geographic Atrophy Secondary to Age-Related Macular Degeneration: The GATE Study. American Journal of Ophthalmology, 2015, 160, 1226-1234. | 1.7 | 53 |
| 65 | Visualizing melanosomes, lipofuscin, and melanolipofuscin in human retinal pigment epithelium using serial block face scanning electron microscopy. Experimental Eye Research, 2018, 166, 131-139. | 1.2 | 51 |
| 66 | Quantification of Fluid Resolution and Visual Acuity Gain in Patients With Diabetic Macular Edema Using Deep Learning. JAMA Ophthalmology, 2020, 138, 945. | 1.4 | 49 |
| 67 | Clinical safety of ranibizumab in age-related macular degeneration. Expert Opinion on Drug Safety, 2010, 9, 149-165. | 1.0 | 48 |
| 68 | Intravitreal bevacizumab (Avastin) versus triamcinolone (Volon A) for treatment of diabetic macular edema: one-year results. Eye, 2014, 28, 9-16. | 1.1 | 48 |
| 69 | Role of Deep Learningâ€“Quantified Hyperreflective Foci for the Prediction of Geographic Atrophy Progression. American Journal of Ophthalmology, 2020, 216, 257-270. | 1.7 | 48 |
| 70 | Identification of Drusen Characteristics in Age-Related Macular Degeneration by Polarization-Sensitive Optical Coherence Tomography. American Journal of Ophthalmology, 2015, 160, 335-344.e1. | 1.7 | 47 |
| 71 | Large-field high-speed polarization sensitive spectral domain OCT and its applications in ophthalmology. Biomedical Optics Express, 2012, 3, 2720. | 1.5 | 46 |
| 72 | Effect of intravitreal dexamethasone implant on intraâ€ocular cytokines and chemokines in eyes with retinal vein occlusion. Acta Ophthalmologica, 2017, 95, e119-e127. | 0.6 | 46 |

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|---|---|---|---|
| 73 | Guidance for the treatment of neovascular age-related macular degeneration. Acta Ophthalmologica, 2007, 85, 486-494. | 0.4 | 45 |
| 74 | Efficacy and safety of intravitreal aflibercept injection in wet age-related macular degeneration: outcomes in the Japanese subgroup of the VIEW 2 study. British Journal of Ophthalmology, 2015, 99, 92-97. | 2.1 | 45 |
| 75 | Motion artifact and speckle noise reduction in polarization sensitive optical coherence tomography by retinal tracking. Biomedical Optics Express, 2014, 5, 106. | 1.5 | 44 |
| 76 | Geographic Atrophy and Foveal-Sparing Changes Related to Visual Acuity in Patients With Dry Age-Related Macular Degeneration Over Time. American Journal of Ophthalmology, 2017, 179, 118-128. | 1.7 | 44 |
| 77 | A systematic correlation of morphology and function using spectral domain optical coherence tomography and microperimetry in patients with geographic atrophy. British Journal of Ophthalmology, 2014, 98, 1050-1055. | 2.1 | 43 |
| 78 | Comparative study between a spectral domain and a high-speed single-beam swept source OCTA system for identifying choroidal neovascularization in AMD. Scientific Reports, 2016, 6, 38132. | 1.6 | 43 |
| 79 | Computational image analysis for prognosis determination in DME. Vision Research, 2017, 139, 204-210. | 0.7 | 42 |
| 80 | Correlation of Central Retinal Thickness and Visual Acuity in Diabetic Macular Edema. JAMA Ophthalmology, 2018, 136, 1215. | 1.4 | 40 |
| 81 | Same-day administration of verteporfin and ranibizumab 0.5 mg in patients with choroidal neovascularisation due to age-related macular degeneration. British Journal of Ophthalmology, 2008, 92, 1628-1635. | 2.1 | 39 |
| 82 | Comparison of SD-Optical Coherence Tomography Angiography and Indocyanine Green Angiography in Type 1 and 2 Neovascular Age-related Macular Degeneration. , 2018, 59, 2393. | | 39 |
| 83 | Predicting Macular Edema Recurrence from Spatio-Temporal Signatures in Optical Coherence Tomography Images. IEEE Transactions on Medical Imaging, 2017, 36, 1773-1783. | 5.4 | 38 |
| 84 | A Longitudinal Comparison of Spectral-Domain Optical Coherence Tomography and Fundus Autofluorescence in Geographic Atrophy. American Journal of Ophthalmology, 2014, 158, 557-566.e1. | 1.7 | 37 |
| 85 | Effectiveness and safety of ranibizumab 0.5 mg in treatment-naÃ¯ve patients with diabetic macular edema: Results from the real-world global LUMINOUS study. PLoS ONE, 2020, 15, e0233595. | 1.1 | 36 |
| 86 | Reducing image variability across OCT devices with unsupervised unpaired learning for improved segmentation of retina. Biomedical Optics Express, 2020, 11, 346. | 1.5 | 36 |
| 87 | Optical coherence tomography in multiple sclerosis: A 3â€year prospective multicenter study. Annals of Clinical and Translational Neurology, 2021, 8, 2235-2251. | 1.7 | 36 |
| 88 | Antiâ€<scp>VEGF</scp> treatment in branch retinal vein occlusion: a realâ€world experience over 4Âyears. Acta Ophthalmologica, 2015, 93, 719-725. | 0.6 | 35 |
| 89 | End-to-End Deep Learning Model for Predicting Treatment Requirements in Neovascular AMD From Longitudinal Retinal OCT Imaging. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3456-3465. | 3.9 | 35 |
| 90 | Evaluation of optical coherence tomography findings in age-related macular degeneration: a reproducibility study of two independent reading centres. British Journal of Ophthalmology, 2011, 95, 381-385. | 2.1 | 34 |

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| 91 | Quantitative comparison of macular segmentation performance using identical retinal regions across multiple spectral-domain optical coherence tomography instruments. British Journal of Ophthalmology, 2015, 99, 794-800. | 2.1 | 34 |
| 92 | Choroidal thickness maps from spectral domain and swept source optical coherence tomography: algorithmic versus ground truth annotation. British Journal of Ophthalmology, 2016, 100, 1372-1376. | 2.1 | 34 |
| 93 | U2-Net: A Bayesian U-Net Model With Epistemic Uncertainty Feedback For Photoreceptor Layer Segmentation In Pathological OCT Scans. , 2019, , . | | 34 |
| 94 | Characterization of Stargardt Disease Using Polarization-Sensitive Optical Coherence Tomography and Fundus Autofluorescence Imaging. , 2013, 54, 6416. | | 33 |
| 95 | Subretinal Drusenoid Deposits and Photoreceptor Loss Detecting Global and Local Progression of Geographic Atrophy by SD-OCT Imaging. , 2020, 61, 11. | | 33 |
| 96 | Automated Quantitative Assessment of Retinal Fluid Volumes as Important Biomarkers in Neovascular Age-Related Macular Degeneration. American Journal of Ophthalmology, 2021, 224, 267-281. | 1.7 | 33 |
| 97 | ANALYSIS OF FLUID VOLUME AND ITS IMPACT ON VISUAL ACUITY IN THE FLUID STUDY AS QUANTIFIED WITH DEEP LEARNING. Retina, 2021, 41, 1318-1328. | 1.0 | 32 |
| 98 | Lesion Size Detection in Geographic Atrophy by Polarization-Sensitive Optical Coherence Tomography and Correlation to Conventional Imaging Techniques. , 2013, 54, 739. | | 31 |
| 99 | Spatial Correspondence Between Intraretinal Fluid, Subretinal Fluid, and Pigment Epithelial Detachment in Neovascular Age-Related Macular Degeneration. , 2017, 58, 4039. | | 30 |
| 100 | Development of Surgical Management in Primary Rhegmatogenous Retinal Detachment Treatment from 2009 to 2015. Current Eye Research, 2018, 43, 517-525. | 0.7 | 30 |
| 101 | AI-based monitoring of retinal fluid in disease activity and under therapy. Progress in Retinal and Eye Research, 2022, 86, 100972. | 7.3 | 30 |
| 102 | The role of choroidal hypoperfusion associated with photodynamic therapy in neovascular age-related macular degeneration and the consequences for combination strategies. Progress in Retinal and Eye Research, 2009, 28, 145-154. | 7.3 | 29 |
| 103 | Analyzing and Predicting Visual Acuity Outcomes of Anti-VEGF Therapy by a Longitudinal Mixed Effects Model of Imaging and Clinical Data. , 2017, 58, 4173. | | 29 |
| 104 | SAVE: a grading protocol for clinically significant diabetic macular oedema based on optical coherence tomography and fluorescein angiography. British Journal of Ophthalmology, 2014, 98, 1612-1617. | 2.1 | 28 |
| 105 | Relationship of Retinal Morphology and Retinal Sensitivity in the Treatment of Neovascular Age-Related Macular Degeneration Using Aflibercept. Investigative Ophthalmology and Visual Science, 2015, 56, 1158-1167. | 3.3 | 28 |
| 106 | THREE-DIMENSIONAL ANALYSIS OF RETINAL MICROANEURYSMS WITH ADAPTIVE OPTICS OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 465-472. | 1.0 | 28 |
| 107 | Indocyanine Green Angiography and Retinal Sensitivity After Photodynamic Therapy of Subfoveal Choroidal Neovascularization. Seminars in Ophthalmology, 1999, 14, 35-44. | 0.8 | 27 |
| 108 | Ultrastructural Changes in a Murine Model of Graded Bruch Membrane Lipoidal Degeneration and Corresponding VEGF164Detection. , 2008, 49, 390. | | 27 |

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|---|---|---|---|
| 109 | Automated quantification of macular fluid in retinal diseases and their response to anti-VEGF therapy. British Journal of Ophthalmology, 2022, 106, 113-120. | 2.1 | 27 |
| 110 | The Effect of Pegcetacoplan Treatment on Photoreceptor Maintenance in Geographic Atrophy Monitored by Artificial Intelligenceâ€“Based OCT Analysis. Ophthalmology Retina, 2022, 6, 1009-1018. | 1.2 | 27 |
| 111 | Retinal pigment epithelium cells produce VEGF in response to oxidized phospholipids through mechanisms involving ATF4 and protein kinase CK2. Experimental Eye Research, 2013, 116, 177-184. | 1.2 | 25 |
| 112 | A Quantitative Approach to Identify Morphological Features Relevant for Visual Function in Ranibizumab Therapy of Neovascular AMD. , 2014, 55, 6623. | | 25 |
| 113 | Multi-modal adaptive optics system including fundus photography and optical coherence tomography for the clinical setting. Biomedical Optics Express, 2016, 7, 1783. | 1.5 | 25 |
| 114 | The Distribution of Leakage on Fluorescein Angiography in Diabetic Macular Edema: A New Approach to Its Etiology. , 2017, 58, 3986. | | 25 |
| 115 | Eyetracker-based gaze correction for robust mapping of population receptive fields. NeuroImage, 2016, 142, 211-224. | 2.1 | 24 |
| 116 | Association of Changes in Macular Perfusion With Ranibizumab Treatment for Diabetic Macular Edema. JAMA Ophthalmology, 2018, 136, 315. | 1.4 | 24 |
| 117 | Identification and Quantification of the Angiofibrotic Switch in Neovascular AMD. , 2019, 60, 304. | | 24 |
| 118 | Predicting Progression of Age-Related Macular Degeneration Using OCT and Fundus Photography. Ophthalmology Retina, 2021, 5, 118-125. | 1.2 | 24 |
| 119 | Influence of the vitreomacular interface on the efficacy of intravitreal therapy for uveitisâ€associated cystoid macular oedema. Acta Ophthalmologica, 2015, 93, e561-7. | 0.6 | 23 |
| 120 | Retinal and Corneal Neurodegeneration and Their Association with Systemic Signs of Peripheral Neuropathy in Type 2 Diabetes. American Journal of Ophthalmology, 2020, 209, 197-205. | 1.7 | 23 |
| 121 | Topographic Distribution and Progression of Soft Drusen Volume in Age-Related Macular Degeneration Implicate Neurobiology of Fovea. , 2021, 62, 26. | | 23 |
| 122 | Motion Artefact Correction in Retinal Optical Coherence Tomography Using Local Symmetry. Lecture Notes in Computer Science, 2014, 17, 130-137. | 1.0 | 23 |
| 123 | Effectiveness of averaging strategies to reduce variance in retinal nerve fibre layer thickness measurements using spectral-domain optical coherence tomography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 1841-1848. | 1.0 | 22 |
| 124 | Multivendor Spectral-Domain Optical Coherence Tomography Dataset, Observer Annotation Performance Evaluation, and Standardized Evaluation Framework for Intraretinal Cystoid Fluid Segmentation. Journal of Ophthalmology, 2016, 2016, 1-8. | 0.6 | 22 |
| 125 | Supervised learning and dimension reduction techniques for quantification of retinal fluid in optical coherence tomography images. Eye, 2017, 31, 1212-1220. | 1.1 | 22 |
| 126 | Compact akinetic swept source optical coherence tomography angiography at 1060 nm supporting a wide field of view and adaptive optics imaging modes of the posterior eye. Biomedical Optics Express, 2018, 9, 1871. | 1.5 | 22 |

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| 127 | Morphologic and Functional Assessment of Photoreceptors After Macula-Off Retinal Detachment With Adaptive-Optics OCT and Microperimetry. American Journal of Ophthalmology, 2020, 214, 72-85. | 1.7 | 22 |
| 128 | Unbiased identification of novel subclinical imaging biomarkers using unsupervised deep learning. Scientific Reports, 2020, 10, 12954. | 1.6 | 22 |
| 129 | Performance of OCT segmentation procedures to assess morphology and extension in geographic atrophy. Acta Ophthalmologica, 2011, 89, 235-240. | 0.6 | 21 |
| 130 | Repeatability and reliability of quantitative fundus autofluorescence imaging in patients with early and intermediate ageâ€related macular degeneration. Acta Ophthalmologica, 2019, 97, e526-e532. | 0.6 | 21 |
| 131 | TOPOGRAPHIC ANALYSIS OF PHOTORECEPTOR LOSS CORRELATED WITH DISEASE MORPHOLOGY IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. Retina, 2020, 40, 2148-2157. | 1.0 | 21 |
| 132 | Automated Quantification of Photoreceptor alteration in macular disease using Optical Coherence Tomography and Deep Learning. Scientific Reports, 2020, 10, 5619. | 1.6 | 21 |
| 133 | Macula-On Versus Macula-Off Pseudophakic Rhegmatogenous Retinal Detachment Following Primary 23-Gauge Vitrectomy Plus Endotamponade. Current Eye Research, 2015, 41, 1-8. | 0.7 | 20 |
| 134 | Impact of Drusen Volume on Quantitative Fundus Autofluorescence in Early and Intermediate Age-Related Macular Degeneration. , 2019, 60, 1937. | | 20 |
| 135 | Polarization-Sensitive Optical Coherence Tomography and Conventional Retinal Imaging Strategies in Assessing Foveal Integrity in Geographic Atrophy. , 2015, 56, 5246. | | 19 |
| 136 | Detailed analysis of retinal morphology in patients with diabetic macular edema (DME) randomized to ranibizumab or triamcinolone treatment. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 49-58. | 1.0 | 19 |
| 137 | Longitudinal analysis of microvascular perfusion and neurodegenerative changes in early type 2 diabetic retinal disease. British Journal of Ophthalmology, 2022, 106, 528-533. | 2.1 | 19 |
| 138 | Evaluating the impact of vitreomacular adhesion on anti-VEGF therapy for retinal vein occlusion using machine learning. Scientific Reports, 2017, 7, 2928. | 1.6 | 18 |
| 139 | Regional Patterns of Retinal Oxygen Saturation and Microvascular Hemodynamic Parameters Preceding Retinopathy in Patients With Type II Diabetes. , 2017, 58, 5541. | | 18 |
| 140 | Correspondence between retinotopic cortical mapping and conventional functional and morphological assessment of retinal disease. British Journal of Ophthalmology, 2019, 103, 208-215. | 2.1 | 18 |
| 141 | Retinal vessel architecture in retinopathy of prematurity and healthy controls using sweptâ€source optical coherence tomography angiography. Acta Ophthalmologica, 2021, 99, e232-e239. | 0.6 | 18 |
| 142 | Artificial scotoma estimation based on population receptive field mapping. NeuroImage, 2018, 169, 342-351. | 2.1 | 17 |
| 143 | THE RAP STUDY, REPORT TWO. Retina, 2020, 40, 2255-2262. | 1.0 | 17 |
| 144 | IMPACT OF RESIDUAL SUBRETINAL FLUID VOLUMES ON TREATMENT OUTCOMES IN A SUBRETINAL FLUIDâ€“TOLERANT TREAT-AND-EXTEND REGIMEN. Retina, 2021, 41, 2221-2228. | 1.0 | 17 |

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|---|---|---|---|
| 145 | Automated Fovea Detection in Spectral Domain Optical Coherence Tomography Scans of Exudative Macular Disease. International Journal of Biomedical Imaging, 2016, 2016, 1-9. | 3.0 | 16 |
| 146 | Retinal pigment epithelial features indicative of neovascular progression in age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 1361-1366. | 2.1 | 16 |
| 147 | Comparison of Dexamethasone Intravitreal Implant with Conventional Triamcinolone in Patients with Postoperative Cystoid Macular Edema. Current Eye Research, 2017, 42, 648-652. | 0.7 | 16 |
| 148 | Correlation of retinal neurodegeneration with measures of peripheral autonomic neuropathy in type 1 diabetes. Acta Ophthalmologica, 2018, 96, e804-e810. | 0.6 | 16 |
| 149 | Simultaneous Bilateral Pediatric and Juvenile Cataract Surgery Under General Anesthesia: Outcomes and Safety. American Journal of Ophthalmology, 2020, 214, 63-71. | 1.7 | 16 |
| 150 | Spatio-Temporal Signatures to Predict Retinal Disease Recurrence. Lecture Notes in Computer Science, 2015, 24, 152-163. | 1.0 | 16 |
| 151 | Three-Dimensional Adaptive Opticsâ€“Assisted Visualization of Photoreceptors in Healthy and Pathologically Aged Eyes. , 2019, 60, 1144. | | 15 |
| 152 | Analysis of retinal layer thickness in diabetic macular oedema treated with ranibizumab or triamcinolone. Acta Ophthalmologica, 2018, 96, e195-e200. | 0.6 | 14 |
| 153 | Impact of Intra- and Subretinal Fluid on Vision Based on Volume Quantification in the HARBOR Trial. Ophthalmology Retina, 2022, 6, 291-297. | 1.2 | 14 |
| 154 | Therapeutic response in the HAWK and HARRIER trials using deep learning in retinal fluid volume and compartment analysis. Eye, 2023, 37, 1160-1169. | 1.1 | 14 |
| 155 | Tyrosinase-Cre-Mediated Deletion of the Autophagy Gene Atg7 Leads to Accumulation of the RPE65 Variant M450 in the Retinal Pigment Epithelium of C57BL/6 Mice. PLoS ONE, 2016, 11, e0161640. | 1.1 | 13 |
| 156 | Axon numbers and landmarks of trigeminal donor nerves for corneal neurotization. PLoS ONE, 2018, 13, e0206642. | 1.1 | 13 |
| 157 | Correlation between corneal and retinal neurodegenerative changes and their association with microvascular perfusion in type II diabetes. Acta Ophthalmologica, 2019, 97, e545-e550. | 0.6 | 13 |
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