# Tjebo F C Heeren

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 1,740 citations | 331259 21 h-index | 301761 39 g-index |
| 69 all docs | 69 docs citations | 69 times ranked | 2067 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Macular telangiectasia type 2. Progress in Retinal and Eye Research, 2013, 34, 49-77. | 7.3 | 311 |
| 2 | Serine and Lipid Metabolism in Macular Disease and Peripheral Neuropathy. New England Journal of Medicine, 2019, 381, 1422-1433. | 13.9 | 166 |
| 3 | Nitroglycerin-Induced Endothelial Dysfunction and Tolerance Involve Adverse Phosphorylation and S -Glutathionylation of Endothelial Nitric Oxide Synthase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2223-2231. | 1.1 | 92 |
| 4 | Vascular Dysfunction in Experimental Diabetes Is Improved by Pentaerithrityl Tetranitrate but Not Isosorbide-5-Mononitrate Therapy. Diabetes, 2011, 60, 2608-2616. | 0.3 | 86 |
| 5 | Progression of Vision Loss in Macular Telangiectasia Type 2. , 2015, 56, 3905. | | 64 |
| 6 | LONGITUDINAL CORRELATION OF ELLIPSOID ZONE LOSS AND FUNCTIONAL LOSS IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S20-S26. | 1.0 | 58 |
| 7 | CORRELATION OF CLINICAL AND STRUCTURAL PROGRESSION WITH VISUAL ACUITY LOSS IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S8-S13. | 1.0 | 51 |
| 8 | Estimating Retinal Sensitivity Using Optical Coherence Tomography With Deep-Learning Algorithms in Macular Telangiectasia Type 2. JAMA Network Open, 2019, 2, e188029. | 2.8 | 51 |
| 9 | Validation of automated artificial intelligence segmentation of optical coherence tomography images. PLoS ONE, 2019, 14, e0220063. | 1.1 | 48 |
| 10 | Safety and Feasibility of a Novel Sparse Optical Coherence Tomography Device for Patient-Delivered Retina Home Monitoring. Translational Vision Science and Technology, 2018, 7, 8. | 1.1 | 44 |
| 11 | Vascular Dysfunction in Streptozotocin-Induced Experimental Diabetes Strictly Depends on Insulin Deficiency. Journal of Vascular Research, 2011, 48, 275-284. | 0.6 | 43 |
| 12 | VERY EARLY DISEASE MANIFESTATIONS OF MACULAR TELANGIECTASIA TYPE 2. Retina, 2016, 36, 524-534. | 1.0 | 40 |
| 13 | Effect of Face-Down Positioning vs Support-the-Break Positioning After Macula-Involving Retinal Detachment Repair. JAMA Ophthalmology, 2020, 138, 634. | 1.4 | 38 |
| 14 | Hyperglycemia and oxidative stress in cultured endothelial cells â€“ a comparison of primary endothelial cells with an immortalized endothelial cell line. Journal of Diabetes and Its Complications, 2012, 26, 155-162. | 1.2 | 37 |
| 15 | FIRST SYMPTOMS AND THEIR AGE OF ONSET IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2014, 34, 916-919. | 1.0 | 37 |
| 16 | Macular Telangiectasia Type 2: Visual Acuity, Disease End Stage, and the MacTel Area. Ophthalmology, 2020, 127, 1539-1548. | 2.5 | 34 |
| 17 | Î±1AMP-Activated Protein Kinase Mediates Vascular Protective Effects of Exercise. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1632-1641. | 1.1 | 32 |
| 18 | Quantification of Key Retinal Features in Early and Late Age-Related Macular Degeneration Using Deep Learning. American Journal of Ophthalmology, 2021, 226, 1-12. | 1.7 | 32 |

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|---|---|---|---|
| 19 | Right-angled vessels in macular telangiectasia type 2. British Journal of Ophthalmology, 2021, 105, 1289-1296. | 2.1 | 30 |
| 20 | Diagnostic accuracy of diabetic retinopathy grading by an artificial intelligence-enabled algorithm compared with a human standard for wide-field true-colour confocal scanning and standard digital retinal images. British Journal of Ophthalmology, 2021, 105, 265-270. | 2.1 | 29 |
| 21 | High-Performance Virtual Reality Volume Rendering of Original Optical Coherence Tomography Point-Cloud Data Enhanced With Real-Time Ray Casting. Translational Vision Science and Technology, 2018, 7, 2. | 1.1 | 28 |
| 22 | POOR LONG-TERM OUTCOME OF ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR THERAPY IN NONPROLIFERATIVE MACULAR TELANGIECTASIA TYPE 2. Retina, 2015, 35, 2619-2626. | 1.0 | 26 |
| 23 | Pentaerythritol Tetranitrate In Vivo Treatment Improves Oxidative Stress and Vascular Dysfunction by Suppression of Endothelin-1 Signaling in Monocrotaline-Induced Pulmonary Hypertension. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13. | 1.9 | 26 |
| 24 | Identification of genetic factors influencing metabolic dysregulation and retinal support for MacTel, a retinal disorder. Communications Biology, 2021, 4, 274. | 2.0 | 26 |
| 25 | Systemic lipid dysregulation is a risk factor for macular neurodegenerative disease. Scientific Reports, 2020, 10, 12165. | 1.6 | 24 |
| 26 | Progression characteristics of ellipsoid zone loss in macular telangiectasia type 2. Acta Ophthalmologica, 2019, 97, e998-e1005. | 0.6 | 22 |
| 27 | Macular Pigment Distribution as Prognostic Marker for Disease Progression in Macular Telangiectasia Type 2. American Journal of Ophthalmology, 2018, 194, 163-169. | 1.7 | 19 |
| 28 | In-vivo mapping of drusen by fundus autofluorescence and spectral-domain optical coherence tomography imaging. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 59-67. | 1.0 | 18 |
| 29 | Quantification of Retinal and Choriocapillaris Perfusion in Different Stages of Macular Telangiectasia Type 2. , 2019, 60, 3556. | | 18 |
| 30 | ELECTROPHYSIOLOGICAL CHARACTERIZATION OF MACULAR TELANGIECTASIA TYPE 2 AND STRUCTUREâ€“FUNCTION CORRELATION. Retina, 2018, 38, S33-S42. | 1.0 | 15 |
| 31 | Enhanced resolution and speckleâ€free threeâ€dimensional printing of macular optical coherence tomography angiography. Acta Ophthalmologica, 2019, 97, e317-e319. | 0.6 | 14 |
| 32 | HYPERREFLECTIVITY ON OPTICAL COHERENCE TOMOGRAPHY IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2021, 41, 1428-1437. | 1.0 | 14 |
| 33 | SCOTOMA CHARACTERISTICS IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S14-S19. | 1.0 | 13 |
| 34 | Binocular Inhibition of Reading in Macular Telangiectasia Type 2. , 2019, 60, 3835. | | 13 |
| 35 | Contrast sensitivity and visual acuity under low light conditions in macular telangiectasia type 2. British Journal of Ophthalmology, 2019, 103, 398-403. | 2.1 | 12 |
| 36 | Dark-Adapted Two-Color Fundus-Controlled Perimetry in Macular Telangiectasia Type 2. , 2019, 60, 1760. | | 11 |

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| 37 | Novel biomarker of sphericity and cylindricity indices in volume-rendering optical coherence tomography angiography in normal and diabetic eyes: a preliminary study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 711-723. | 1.0 | 11 |
| 38 | Feasibility of support vector machine learning in ageâ€related macular degeneration using small sample yielding sparse optical coherence tomography data. Acta Ophthalmologica, 2019, 97, e719-e728. | 0.6 | 10 |
| 39 | Comparison of true-colour wide-field confocal scanner imaging with standard fundus photography for diabetic retinopathy screening. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-315269. | 2.1 | 10 |
| 40 | Treatment for Macular Telangiectasia Type 2. Developments in Ophthalmology, 2016, 55, 189-195. | 0.1 | 9 |
| 41 | Fundus Autofluorescence Imaging in Macular Telangiectasia Type 2: MacTel Study Report Number 9. American Journal of Ophthalmology, 2021, 228, 27-34. | 1.7 | 9 |
| 42 | Postretinal Detachment Retinal Displacement: How Best to Detect It?. Ophthalmologica, 2020, 243, 280-287. | 1.0 | 8 |
| 43 | Longitudinal Assessment of Remnant Foveal Cone Structure in a Case Series of Early Macular Telangiectasia Type 2. Translational Vision Science and Technology, 2020, 9, 27. | 1.1 | 8 |
| 44 | Effect of ethnicity and other sociodemographic factors on attendance at diabetic eye screening: a 12-month retrospective cohort study. BMJ Open, 2021, 11, e046264. | 0.8 | 8 |
| 45 | DARK ADAPTATION IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2020, 40, 2018-2025. | 1.0 | 7 |
| 46 | MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S97-S104. | 1.0 | 6 |
| 47 | Contextualizing singleâ€arm trials with realâ€world data: An emulated target trial comparing therapies for neovascular ageâ€related macular degeneration. Clinical and Translational Science, 2021, 14, 1166-1175. | 1.5 | 4 |
| 48 | Intraretinal pigmented cells in retinal degenerative disease. British Journal of Ophthalmology, 2023, 107, 1736-1743. | 2.1 | 4 |
| 49 | EFFECT OF DARK ADAPTATION AND BLEACHING ON BLUE LIGHT REFLECTANCE IMAGING IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S89-S96. | 1.0 | 3 |
| 50 | High-Resolution In Vivo Fundus Angiography using a Nonadaptive Optics Imaging System. Translational Vision Science and Technology, 2019, 8, 54. | 1.1 | 3 |
| 51 | Stereoscopic Vision in Macular Telangiectasia Type 2. Ophthalmologica, 2019, 241, 121-129. | 1.0 | 3 |
| 52 | IDENTIFICATION OF INCREASED BLUE LIGHT REFLECTIVITY IN MACULAR TELANGIECTASIA TYPE 2 USING SCANNING LASER OPHTHALMOSCOPY VERSUS RED-FREE FUNDUS PHOTOGRAPHY. Retinal Cases and Brief Reports, 2019, 13, 115-117. | 0.3 | 1 |
| 53 | Vascular Dysfunction in Streptozotocininduced Experimental Diabetes Strictly Depends on Insulin Deficiency. Free Radical Biology and Medicine, 2010, 49, S38. | 1.3 | 0 |
| 54 | Macular Telangiectasia Type 2. , 2014, , 111-118. | | 0 |

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|---|---|---|---|
| 55 | Feasibility Study of Subfoveal Choroidal Thickness Changes in Spectral-Domain Optical Coherence Tomography Measurements of Macular Telangiectasia Type 2. Lecture Notes in Computer Science, 2018, , 303-309. | 1.0 | 0 |
| 56 | State of the art spatial visualization of the response of neovascularisation to anti-vascular endothelial growth factor therapy. American Journal of Ophthalmology Case Reports, 2022, 25, 101267. | 0.4 | 0 |