

# Steven T Bailey

## List of Publications by Citations

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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.

40  
papers

3,120  
citations

21  
h-index

44  
g-index

44  
ext. papers

3,766  
ext. citations

5  
avg. IF

5.21  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 40 | Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. <i>Ophthalmology</i> , <b>2014</b> , 121, 1435-44   | 7.3  | 550       |
| 39 | Quantitative optical coherence tomography angiography of vascular abnormalities in the living human eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2395-402 | 11.5 | 474       |
| 38 | OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , <b>2015</b> , 35, 2371-6  | 3.6  | 253       |
| 37 | Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 367-73   | 3.9  | 252       |
| 36 | Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 8163-8  | 3.8  | 234       |
| 35 | Optical Coherence Tomography Angiography <b>2016</b> , 57, OCT27-36  |      | 219       |
| 34 | Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 1411-1419                                 | 3.9  | 130       |
| 33 | DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , <b>2015</b> , 35, 2204-11  | 3.6  | 115       |
| 32 | Diabetic Retinopathy Preferred Practice Pattern <sup>®</sup> . <i>Ophthalmology</i> , <b>2020</b> , 127, P66-P145  | 7.3  | 113       |
| 31 | Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 4661-75   | 3.5  | 100       |
| 30 | Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 3564-76   | 3.5  | 83        |
| 29 | Age-Related Macular Degeneration Preferred Practice Pattern <sup>®</sup> . <i>Ophthalmology</i> , <b>2020</b> , 127, P1-P65  | 7.3  | 76        |
| 28 | Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1536-1548  | 3.5  | 57        |
| 27 | Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , <b>2017</b> , 1, 294-303  | 3.8  | 55        |
| 26 | Time Requirements for Electronic Health Record Use in an Academic Ophthalmology Center. <i>JAMA Ophthalmology</i> , <b>2017</b> , 135, 1250-1257   | 3.9  | 46        |
| 25 | DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , <b>2020</b> , 40, 891-897   | 3.6  | 32        |
| 24 | Plexus-specific retinal vascular anatomy and pathologies as seen by projection-resolved optical coherence tomographic angiography. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 80, 100878                      | 20.5 | 32        |

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|----|---|------|----|
| 23 | Automated diagnosis and segmentation of choroidal neovascularization in OCT angiography using deep learning. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 927-944   | 3.5  | 28 |
| 22 | Automated registration and enhanced processing of clinical optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2016</b> , 6, 391-401   | 3.6  | 28 |
| 21 | Optical coherence tomographic angiography of choroidal neovascularization associated with central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 1212-4   | 3.9  | 24 |
| 20 | Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. <i>Ophthalmology Retina</i> , <b>2019</b> , 3, 629-636  | 3.8  | 22 |
| 19 | Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 816-826  | 3.8  | 20 |
| 18 | Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography <b>2018</b> , 59, 4285-4291  |      | 20 |
| 17 | Automatic quantification of choroidal neovascularization lesion area on OCT angiography based on density cell-like P systems with active membranes. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 3208-3219   | 3.5  | 19 |
| 16 | Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. <i>British Journal of Ophthalmology</i> , <b>2017</b> , 101, 45-50  | 5.5  | 18 |
| 15 | Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Anti-Vascular Endothelial Growth Factor Therapy with OCT Angiography. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 931-941  | 3.8  | 18 |
| 14 | Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 76010  | 3.5  | 18 |
| 13 | Maximum value projection produces better OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 6412-6424   | 3.5  | 18 |
| 12 | Projection-resolved optical coherence tomography angiography exhibiting early flow prior to clinically observed retinal angiomatous proliferation. <i>American Journal of Ophthalmology Case Reports</i> , <b>2017</b> , 8, 53-57                                   | 1.3  | 17 |
| 11 | Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 85, 100965  | 20.5 | 13 |
| 10 | Detection of Reduced Retinal Vessel Density in Eyes with Geographic Atrophy Secondary to Age-Related Macular Degeneration Using Projection-Resolved Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 209, 206-212 | 4.9  | 13 |
| 9  | Optical Coherence Tomography Angiography Avascular Area Association With 1-Year Treatment Requirement and Disease Progression in Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 217, 268-277  | 4.9  | 6  |
| 8  | Reticular Pseudodrusen Characteristics and Associations in the Carotenoids in Age-Related Eye Disease Study 2 (CAREDS2), an Ancillary Study of the Women's Health Initiative. <i>Ophthalmology Retina</i> , <b>2021</b> , 5, 721-729                                | 3.8  | 5  |
| 7  | Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , <b>2021</b> , 1, 100027   |      | 4  |
| 6  | Comparison of Central Macular Fluid Volume With Central Subfield Thickness in Patients With Diabetic Macular Edema Using Optical Coherence Tomography Angiography. <i>JAMA Ophthalmology</i> , <b>2021</b> , 139, 734-741   | 3.9  | 3  |

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| 5 | An Open-Source Deep Learning Network for Reconstruction of High-Resolution OCT Angiograms of Retinal Intermediate and Deep Capillary Plexuses. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 13                                   | 3.3 | 2 |
| 4 | Deep learning-based signal-independent assessment of macular avascular area on 68 mm optical coherence tomography angiogram in diabetic retinopathy: a comparison to instrument-embedded software. <i>British Journal of Ophthalmology</i> , <b>2021</b> , | 5.5 | 1 |
| 3 | Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. <b>2021</b> , 62, 28   |     | 1 |
| 2 | A deep learning network for classifying arteries and veins in montaged wide-field OCT angiograms. <i>Ophthalmology Science</i> , <b>2022</b> , 100149  |     | 0 |
| 1 | Optical coherence tomography angiography of non-exudative choroidal neovascularization. <i>Yan Ke Xue Bao = Eye Science</i> , <b>2016</b> , 31, 243-245  |     |   |