

# Steven T Bailey

## List of Publications by Year in descending order

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44  
papers

4,341  
citations

236833  
25  
h-index

302012  
39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Optical Coherence Tomography Angiography of Choroidal Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2014, 121, 1435-1444.	2.5	654
2	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> , 2015, 112, E2395-402.	3.3	563
3	Diabetic Retinopathy Preferred Practice Pattern <sup>®</sup> . <i>Ophthalmology</i> , 2020, 127, P66-P145.	2.5	341
4	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , 2015, 35, 2371-2376.	1.0	324
5	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016, 134, 367.	1.4	319
6	Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2016, 7, 816.	1.5	285
7	Optical Coherence Tomography Angiography. , 2016, 57, OCT27.		283
8	Age-Related Macular Degeneration Preferred Practice Pattern <sup>®</sup> . <i>Ophthalmology</i> , 2020, 127, P1-P65.	2.5	167
9	Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016, 134, 1411.	1.4	164
10	DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2015, 35, 2204-2211.	1.0	142
11	Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , 2015, 6, 4661.	1.5	122
12	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2015, 6, 3564.	1.5	96
13	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , 2017, 8, 1536.	1.5	76
14	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , 2017, 1, 294-303.	1.2	71
15	Plexus-specific retinal vascular anatomy and pathologies as seen by projection-resolved optical coherence tomographic angiography. <i>Progress in Retinal and Eye Research</i> , 2021, 80, 100878.	7.3	71
16	Time Requirements for Electronic Health Record Use in an Academic Ophthalmology Center. <i>JAMA Ophthalmology</i> , 2017, 135, 1250.	1.4	69
17	Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , 2021, 85, 100965.	7.3	54
18	Automated diagnosis and segmentation of choroidal neovascularization in OCT angiography using deep learning. <i>Biomedical Optics Express</i> , 2020, 11, 927.	1.5	51

#	ARTICLE	IF	CITATIONS
19	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2020, 40, 891-897.	1.0	50
20	Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. <i>Ophthalmology Retina</i> , 2019, 3, 629-636.	1.2	46
21	Automated registration and enhanced processing of clinical optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 391-401.	1.1	33
22	Optical Coherence Tomographic Angiography of Choroidal Neovascularization Associated With Central Serous Chorioretinopathy. <i>JAMA Ophthalmology</i> , 2015, 133, 1212.	1.4	30
23	Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Anti-vascular Endothelial Growth Factor Therapy with OCT Angiography. <i>Ophthalmology Retina</i> , 2018, 2, 931-941.	1.2	27
24	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , 2018, 2, 816-826.	1.2	27
25	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography. , 2018, 59, 4285.		26
26	Maximum value projection produces better en face OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , 2018, 9, 6412.	1.5	26
27	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> , 2020, 209, 206-212.	1.7	25
28	Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. <i>British Journal of Ophthalmology</i> , 2017, 101, 45-50.	2.1	23
29	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> , 2018, 9, 3208.	1.5	23
30	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016, 21, 076010.	1.4	21
31	Projection-resolved optical coherence tomography angiography exhibiting early flow prior to clinically observed retinal angiomatous proliferation. <i>American Journal of Ophthalmology Case Reports</i> , 2017, 8, 53-57.	0.4	21
32	Optical Coherence Tomography Angiography Avascular Area Association With 1-Year Treatment Requirement and Disease Progression in Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , 2020, 217, 268-277.	1.7	21
33	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> , 2021, 139, 734-741.	1.4	17
34	A Deep Learning Network for Classifying Arteries and Veins in Montaged Widefield OCT Angiograms. <i>Ophthalmology Science</i> , 2022, 2, 100149.	1.0	17
35	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , 2021, 1, 100027.	1.0	12
36	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> , 2021, 10, 13.	1.1	12

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37	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> , 2021, 5, 721-729.	1.2	10
38	Association Between Fluid Volume in Inner Nuclear Layer and Visual Acuity in Diabetic Macular Edema. <i>American Journal of Ophthalmology</i> , 2022, 237, 164-172.	1.7	8
39	Deep learning-based signal-independent assessment of macular avascular area on 6-6 mm optical coherence tomography angiogram in diabetic retinopathy: a comparison to instrument-embedded software. <i>British Journal of Ophthalmology</i> , 2023, 107, 84-89.	2.1	4
40	Injection pressure levels for creating blebs during subretinal gene therapy. <i>Gene Therapy</i> , 2022, 29, 601-607.	2.3	4
41	Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. , 2021, 62, 28.		3
42	Plexus-specific retinal capillary avascular area in exudative age-related macular degeneration with projection-resolved OCT angiography. <i>British Journal of Ophthalmology</i> , 2022, 106, 719-723.	2.1	2
43	Does the Cilioretinal Artery Preserve Vision in High Myopia?. <i>Ophthalmology Retina</i> , 2020, 4, 963-964.	1.2	1
44	Optical coherence tomography angiography of non-exudative choroidal neovascularization. Yan Ke Xue Bao = <i>Eye Science</i> , 2016, 31, 243-245.	0.1	0