

Eric M Moulton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	MULTISCALE CORRELATION OF MICROVASCULAR CHANGES ON OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY WITH RETINAL SENSITIVITY IN DIABETIC RETINOPATHY. <i>Retina</i> , 2022, 42, 357-368.	1.0	5
2	High speed, long range, deep penetration swept source OCT for structural and angiographic imaging of the anterior eye. <i>Scientific Reports</i> , 2022, 12, 992.	1.6	12
3	Local Geographic Atrophy Growth Rates Not Influenced by Close Proximity to Non-Exudative Type 1 Macular Neovascularization. , 2022, 63, 20.		6
4	Comparing Accuracies of Length-Type Geographic Atrophy Growth Rate Metrics Using Atrophy-Front Growth Modeling. <i>Ophthalmology Science</i> , 2022, 2, 100156.	1.0	2
5	Geometric Perfusion Deficits: A Novel OCT Angiography Biomarker for Diabetic Retinopathy Based on Oxygen Diffusion. <i>American Journal of Ophthalmology</i> , 2021, 222, 256-270.	1.7	17
6	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. <i>Biomedical Optics Express</i> , 2021, 12, 4573.	1.5	11
7	Growth Modeling for Quantitative, Spatially Resolved Geographic Atrophy Lesion Kinetics. <i>Translational Vision Science and Technology</i> , 2021, 10, 26.	1.1	5
8	Mean macular intercapillary area in eyes with diabetic macular oedema after <sc>anti-VEGF</sc>vascular endothelial growth factor therapy and its association with treatment response. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 714-723.	1.3	10
9	FULL-THICKNESS MACULAR HOLE SIZE BY HYPERTRANSMISSION SIGNAL ON SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2021, 41, 2059-2065.	1.0	1
10	Analyzing Relative Flow Speeds in Diabetic Retinopathy Using Variable Interscan Time Analysis OCT Angiography. <i>Ophthalmology Retina</i> , 2021, 5, 49-59.	1.2	19
11	Efficient and high accuracy 3-D OCT angiography motion correction in pathology. <i>Biomedical Optics Express</i> , 2021, 12, 125.	1.5	12
12	OCT-OCTA segmentation: combining structural and blood flow information to segment Bruch's membrane. <i>Biomedical Optics Express</i> , 2021, 12, 84.	1.5	13
13	QUANTIFICATION OF RETINAL CAPILLARY NONPERFUSION IN DIABETICS USING WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2020, 40, 412-420.	1.0	62
14	SPATIAL DISTRIBUTION OF CHORIOCAPILLARIS IMPAIRMENT IN EYES WITH CHOROIDAL NEOVASCULARIZATION SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2020, 40, 428-445.	1.0	32
15	A Framework for Multiscale Quantitation of Relationships Between Choriocapillaris Flow Impairment and Geographic Atrophy Growth. <i>American Journal of Ophthalmology</i> , 2020, 214, 172-187.	1.7	18
16	High-Speed, Ultrahigh-Resolution Spectral-Domain OCT with Extended Imaging Range Using Reference Arm Length Matching. <i>Translational Vision Science and Technology</i> , 2020, 9, 12.	1.1	29
17	Topographic analysis of macular choriocapillaris flow deficits in diabetic retinopathy using swept-source optical coherence tomography angiography. <i>International Journal of Retina and Vitreous</i> , 2020, 6, 6.	0.9	19
18	Developing a potential retinal OCT biomarker for local growth of geographic atrophy. <i>Biomedical Optics Express</i> , 2020, 11, 5181.	1.5	5

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19	Correction propagation for user-assisted optical coherence tomography segmentation: general framework and application to Bruch's membrane segmentation. <i>Biomedical Optics Express</i> , 2020, 11, 2830.	1.5	1
20	Controlling for Artifacts in Widefield Optical Coherence Tomography Angiography Measurements of Non-Perfusion Area. <i>Scientific Reports</i> , 2019, 9, 9096.	1.6	32
21	Retinal Nonperfusion Relationship to Arteries or Veins Observed on Widefield Optical Coherence Tomography Angiography in Diabetic Retinopathy. , 2019, 60, 4310.		25
22	Global Analysis of Macular Choriocapillaris Perfusion in Dry Age-Related Macular Degeneration using Swept-Source Optical Coherence Tomography Angiography. , 2019, 60, 4985.		19
23	Analyzing Relative Blood Flow Speeds in Choroidal Neovascularization Using Variable Interscan Time Analysis OCT Angiography. <i>Ophthalmology Retina</i> , 2018, 2, 306-319.	1.2	19
24	Quantifying Microvascular Changes Using OCT Angiography in Diabetic Eyes without Clinical Evidence of Retinopathy. <i>Ophthalmology Retina</i> , 2018, 2, 418-427.	1.2	60
25	Optical coherence tomography angiography (OCTA) flow speed mapping technology for retinal diseases. <i>Expert Review of Medical Devices</i> , 2018, 15, 875-882.	1.4	36
26	Choriocapillaris Loss in Advanced Age-Related Macular Degeneration. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	0.6	41
27	En Face Doppler Optical Coherence Tomography Measurement of Total Retinal Blood Flow in Diabetic Retinopathy and Diabetic Macular Edema. <i>JAMA Ophthalmology</i> , 2017, 135, 244.	1.4	25
28	Evaluating anesthetic protocols for functional blood flow imaging in the rat eye. <i>Journal of Biomedical Optics</i> , 2017, 22, 016005.	1.4	22
29	Swept Source OCT Angiography in Different Diseases. , 2017, , 23-36.		0
30	ULTRAHIGH SPEED SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF RETINAL AND CHORIOCAPILLARIS ALTERATIONS IN DIABETIC PATIENTS WITH AND WITHOUT RETINOPATHY. <i>Retina</i> , 2017, 37, 11-21.	1.0	153
31	The Definition, Rationale, and Effects of Thresholding in OCT Angiography. <i>Ophthalmology Retina</i> , 2017, 1, 435-447.	1.2	43
32	Improved Temporal Calibration of Tracked Ultrasound: An Open-Source Solution. <i>Journal of Medical Robotics Research</i> , 2017, 02, 1750008.	1.0	1
33	Polypoidal Choroidal Vasculopathy on Swept-Source Optical Coherence Tomography Angiography with Variable Interscan Time Analysis. <i>Translational Vision Science and Technology</i> , 2017, 6, 4.	1.1	29
34	Visualizing the Choriocapillaris Under Drusen: Comparing 1050-nm Swept-Source Versus 840-nm Spectral-Domain Optical Coherence Tomography Angiography. , 2016, 57, OCT585.		95
35	Visualization of Changes in the Choriocapillaris, Choroidal Vessels, and Retinal Morphology After Focal Laser Photocoagulation Using OCT Angiography. , 2016, 57, OCT356.		26
36	TOWARD QUANTITATIVE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2016, 36, S118-S126.	1.0	114

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37	Optical Coherence Tomography Angiography of Dry Age-Related Macular Degeneration. <i>Developments in Ophthalmology</i> , 2016, 56, 91-100.	0.1	90
38	SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY REVEALS CHORIOCAPILLARIS ALTERATIONS IN EYES WITH NASCENT GEOGRAPHIC ATROPHY AND DRUSEN-ASSOCIATED GEOGRAPHIC ATROPHY. <i>Retina</i> , 2016, 36, S2-S11.	1.0	111
39	AN AUTOMATIC, INTERCAPILLARY AREA-BASED ALGORITHM FOR QUANTIFYING DIABETES-RELATED CAPILLARY DROPOUT USING OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2016, 36, S93-S101.	1.0	77
40	Choroidal Neovascularization Analyzed on Ultrahigh-Speed Swept-Source Optical Coherence Tomography Angiography Compared to Spectral-Domain Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2016, 164, 80-88.	1.7	137
41	Ultrahigh-Speed, Swept-Source Optical Coherence Tomography Angiography in Nonexudative Age-Related Macular Degeneration with Geographic Atrophy. <i>Ophthalmology</i> , 2015, 122, 2532-2544.	2.5	244