

# John C Morrison

## List of Publications by Year in Descending Order

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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.

27  
papers

1,724  
citations

16  
h-index

27  
g-index

27  
ext. papers

2,096  
ext. citations

5.4  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
27	An end-to-end network for segmenting the vasculature of three retinal capillary plexuses from OCT angiographic volumes. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4889-4900	3.5	1
26	Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. <i>Scientific Reports</i> , <b>2021</b> , 11, 17251	4.9	0
25	Retinal capillary oximetry with visible light optical coherence tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11658-11666	11.5	20
24	Imaging retinal structures at cellular-level resolution by visible-light optical coherence tomography. <i>Optics Letters</i> , <b>2020</b> , 45, 2107-2110	3	13
23	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , <b>2020</b> , 127, 484-491	7.3	8
22	Sectorwise Visual Field Simulation Using Optical Coherence Tomographic Angiography Nerve Fiber Layer Plexus Measurements in Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 212, 57-68	4.9	3
21	Electron Beam Irradiated Corneal Versus Gamma-Irradiated Scleral Patch Graft Erosion Rates in Glaucoma Drainage Device Surgery. <i>Ophthalmology and Therapy</i> , <b>2019</b> , 8, 421-426	5	2
20	Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 207, 99-109	4.9	25
19	Optic Nerve Head Astrocytes Display Axon-Dependent and -Independent Reactivity in Response to Acutely Elevated Intraocular Pressure <b>2019</b> , 60, 312-321		12
18	Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. <i>Neurophotonics</i> , <b>2019</b> , 6, 041104	3.9	10
17	Evaluating changes of blood flow in retina, choroid, and outer choroid in rats in response to elevated intraocular pressure by 1300 nm swept-source OCT. <i>Microvascular Research</i> , <b>2019</b> , 121, 37-45	3.7	10
16	In Vivo Small Molecule Delivery to the Optic Nerve in a Rodent Model. <i>Scientific Reports</i> , <b>2018</b> , 8, 4453	4.9	2
15	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 2056-2067	3.5	22
14	Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 5851-5862	3.5	18
13	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. <i>Ophthalmology</i> , <b>2017</b> , 124, 1589-1599	7.3	150
12	Generation of Functional Human Retinal Ganglion Cells with Target Specificity from Pluripotent Stem Cells by Chemically Defined Recapitulation of Developmental Mechanism. <i>Stem Cells</i> , <b>2017</b> , 35, 572-585	5.8	49
11	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4595-4608	3.5	18

10	A Period of Controlled Elevation of IOP (CEI) Produces the Specific Gene Expression Responses and Focal Injury Pattern of Experimental Rat Glaucoma <b>2016</b> , 57, 6700-6711		24
9	Astrocyte Structural and Molecular Response to Elevated Intraocular Pressure Occurs Rapidly and Precedes Axonal Tubulin Rearrangement within the Optic Nerve Head in a Rat Model. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167364	3.7	36
8	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography <b>2016</b> , 57, 4485-92		60
7	Evaluation of the effect of elevated intraocular pressure and reduced ocular perfusion pressure on retinal capillary bed filling and total retinal blood flow in rats by OMAG/OCT. <i>Microvascular Research</i> , <b>2015</b> , 101, 86-95	3.7	31
6	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 1045-52	3.9	418
5	Induction of autophagy in rats upon overexpression of wild-type and mutant optineurin gene. <i>BMC Cell Biology</i> , <b>2015</b> , 16, 14		21
4	Optical coherence tomography angiography of optic disc perfusion in glaucoma. <i>Ophthalmology</i> , <b>2014</b> , 121, 1322-32	7.3	498
3	Impact of intraocular pressure on changes of blood flow in the retina, choroid, and optic nerve head in rats investigated by optical microangiography. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 2220-33	3.5	65
2	Understanding mechanisms of pressure-induced optic nerve damage. <i>Progress in Retinal and Eye Research</i> , <b>2005</b> , 24, 217-40	20.5	202
1	Prospects for genetic intervention in primary open-angle glaucoma. <i>Drugs and Aging</i> , <b>1998</b> , 13, 333-40	4.7	6