John C Morrison

List of Publications by Year
in descending order

27 papers	2,342 citations	516561 16 h-index	610775 24 g-index
27 all docs	27 docs citations	27 times ranked	2023 citing authors

#	Article	IF	Citations
1	Optical Coherence Tomography Angiography of Optic Disc Perfusion in Glaucoma. Ophthalmology, 2014, 121, 1322-1332.	2.5	635
2	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. JAMA Ophthalmology, 2015, 133, 1045.	1.4	556
3	Understanding mechanisms of pressure-induced optic nerve damage. Progress in Retinal and Eye Research, 2005, 24, 217-240.	7.3	238
4	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. Ophthalmology, 2017, 124, 1589-1599.	2.5	215
5	Impact of intraocular pressure on changes of blood flow in the retina, choroid, and optic nerve head in rats investigated by optical microangiography. Biomedical Optics Express, 2012, 3, 2220.	1.5	86
6	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography. , 2016, 57, 4485.		77
7	Generation of Functional Human Retinal Ganglion Cells with Target Specificity from Pluripotent Stem Cells by Chemically Defined Recapitulation of Developmental Mechanism. Stem Cells, 2017, 35, 572-585.	1.4	72
8	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. PLoS ONE, 2016, 11, e0167364.	1.1	54
9	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. Microvascular Research, 2015, 101, 86-95.	1.1	45
10	Retinal capillary oximetry with visible light optical coherence tomography. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11658-11666.	3.3	45
11	Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. American Journal of Ophthalmology, 2019, 207, 99-109.	1.7	44
12	A Period of Controlled Elevation of IOP (CEI) Produces the Specific Gene Expression Responses and Focal Injury Pattern of Experimental Rat Glaucoma. , 2016, 57, 6700.		33
13	Induction of autophagy in rats upon overexpression of wild-type and mutant optineurin gene. BMC Cell Biology, 2015, 16, 14.	3.0	31
14	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 2056.	1.5	29
15	Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 5851.	1.5	28
16	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. Biomedical Optics Express, 2017, 8, 4595.	1.5	22
17	Optic Nerve Head Astrocytes Display Axon-Dependent and -Independent Reactivity in Response to Acutely Elevated Intraocular Pressure. , 2019, 60, 312.		22
18	Imaging retinal structures at cellular-level resolution by visible-light optical coherence tomography. Optics Letters, 2020, 45, 2107.	1.7	22

#	Article	IF	Citations
19	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. Ophthalmology, 2020, 127, 484-491.	2.5	18
20	Evaluating changes of blood flow in retina, choroid, and outer choroid in rats in response to elevated intraocular pressure by 1300â€¯nm swept-source OCT. Microvascular Research, 2019, 121, 37-45.	1.1	15
21	Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. Neurophotonics, 2019, 6, 1.	1.7	14
22	An end-to-end network for segmenting the vasculature of three retinal capillary plexuses from OCT angiographic volumes. Biomedical Optics Express, 2021, 12, 4889.	1.5	12
23	Prospects for Genetic Intervention in Primary Open-Angle Glaucoma. Drugs and Aging, 1998, 13, 333-340.	1.3	7
24	Sectorwise Visual Field Simulation Using Optical Coherence Tomographic Angiography Nerve Fiber Layer Plexus Measurements in Glaucoma. American Journal of Ophthalmology, 2020, 212, 57-68.	1.7	7
25	Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. Scientific Reports, 2021, 11, 17251.	1.6	7
26	Electron Beam Irradiated Corneal Versus Gamma-Irradiated Scleral Patch Graft Erosion Rates in Glaucoma Drainage Device Surgery. Ophthalmology and Therapy, 2019, 8, 421-426.	1.0	6
27	In Vivo Small Molecule Delivery to the Optic Nerve in a Rodent Model. Scientific Reports, 2018, 8, 4453.	1.6	2