

Chen Xin

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.

48
papers

774
citations

12
h-index

27
g-index

53
ext. papers

1,004
ext. citations

3.9
avg, IF

4.05
L-index

#	Paper	IF	Citations
48	Quantitative assessment of the retinal microvasculature using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 66008	3.5	155
47	Optic Disc Perfusion in Primary Open Angle and Normal Tension Glaucoma Eyes Using Optical Coherence Tomography-Based Microangiography. <i>PLoS ONE</i> , 2016 , 11, e0154691	3.7	89
46	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Glaucoma Using Optical Coherence Tomography-Based Microangiography 2016 , 57, OCT475-85		89
45	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Eyes With Glaucoma and Single-Hemifield Visual Field Loss. <i>JAMA Ophthalmology</i> , 2017 , 135, 461-468	3.9	67
44	Optic nerve head perfusion in normal eyes and eyes with glaucoma using optical coherence tomography-based microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 125-33	3.6	51
43	Aqueous outflow regulation: Optical coherence tomography implicates pressure-dependent tissue motion. <i>Experimental Eye Research</i> , 2017 , 158, 171-186	3.7	47
42	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging 2017 , 58, 4809-4817		42
41	Repeatability and reproducibility of optic nerve head perfusion measurements using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 65002	3.5	40
40	OCT Study of Mechanical Properties Associated with Trabecular Meshwork and Collector Channel Motion in Human Eyes. <i>PLoS ONE</i> , 2016 , 11, e0162048	3.7	25
39	Changes of visual field and optic nerve fiber layer in patients with OSAS. <i>Sleep and Breathing</i> , 2015 , 19, 129-34	3.1	22
38	Quantification of Pulse-Dependent Trabecular Meshwork Motion in Normal Humans Using Phase-Sensitive OCT 2018 , 59, 3675-3681		19
37	Aqueous outflow regulation - 21st century concepts. <i>Progress in Retinal and Eye Research</i> , 2021 , 83, 100921-5	17.5	13
36	Repeatability and Reproducibility of Quantitative Assessment of the Retinal Microvasculature Using Optical Coherence Tomography Angiography Based on Optical Microangiography. <i>Biomedical and Environmental Sciences</i> , 2018 , 31, 407-412	1.1	12
35	Mechanism of the reconstruction of aqueous outflow drainage. <i>Science China Life Sciences</i> , 2018 , 61, 534-540	8.5	10
34	Modified Canaloplasty: A New, Effective, and Safe Option for Glaucoma Patients With a Disrupted Schlemm Canal Wall. <i>Journal of Glaucoma</i> , 2016 , 25, 798-801	2.1	9
33	Macular vessel density versus ganglion cell complex thickness for detection of early primary open-angle glaucoma. <i>BMC Ophthalmology</i> , 2020 , 20, 17	2.3	8
32	Disease-related and age-related changes of anterior chamber angle structures in patients with primary congenital glaucoma: An in vivo high-frequency ultrasound biomicroscopy-based study. <i>PLoS ONE</i> , 2020 , 15, e0227602	3.7	7

31	Correlation Between Trabeculodysgenesis Assessed by Ultrasound Biomicroscopy and Surgical Outcomes in Primary Congenital Glaucoma. <i>American Journal of Ophthalmology</i> , 2018 , 196, 57-64	4.9	7
30	Impact of ocular magnification on retinal and choriocapillaris blood flow quantification in myopia with swept-source optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 948-956	3.6	7
29	One-year interim comparison of canaloplasty in primary open-angle glaucoma following failed filtering surgery with primary canaloplasty. <i>British Journal of Ophthalmology</i> , 2016 , 100, 1692-1696	5.5	7
28	Imaging collector channel entrance with a new intraocular micro-probe swept-source optical coherence tomography. <i>Acta Ophthalmologica</i> , 2017 , 95, 602-607	3.7	5
27	Optical coherence tomography-based deep learning algorithm for quantification of the location of the intraocular lens. <i>Annals of Translational Medicine</i> , 2020 , 8, 872	3.2	5
26	Outcomes of gonioscopy-assisted transluminal trabeculotomy in juvenile-onset primary open-angle glaucoma. <i>Eye</i> , 2021 , 35, 2848-2854	4.4	4
25	Ab interno vs ab externo microcatheter-assisted trabeculotomy for primary congenital glaucoma with clear cornea. <i>Clinical and Experimental Ophthalmology</i> , 2020 , 48, 1201-1209	2.4	4
24	Effects of Schlemm's Canal Expansion: Biomechanics and MIGS Implications. <i>Life</i> , 2021 , 11,	3	4
23	Minimally Invasive Glaucoma Surgery: What Do We Know? Where Should We Go?. <i>Translational Vision Science and Technology</i> , 2020 , 9, 15	3.3	3
22	Path Planning for Surgery Robot with Bidirectional Continuous Tree Search and Neural Network 2019 ,		3
21	Percutaneous coronary interventions in Chinese mainland 2008. <i>International Journal of Cardiology</i> , 2010 , 145, 314-315	3.2	2
20	A prospective study of intraocular pressure spike and failure after gonioscopy-assisted transluminal trabeculotomy in juvenile open angle glaucoma. <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	2
19	Intermediate outcomes of ab externo circumferential trabeculotomy and canaloplasty in POAG patients with prior incisional glaucoma surgery. <i>BMC Ophthalmology</i> , 2020 , 20, 389	2.3	2
18	The Relationship Between Nailfold Microcirculation and Retinal Microcirculation in Healthy Subjects. <i>Frontiers in Physiology</i> , 2020 , 11, 880	4.6	2
17	Association Between Arterial Blood Gas Variation and Intraocular Pressure in Healthy Subjects Exposed to Acute Short-Term Hypobaric Hypoxia. <i>Translational Vision Science and Technology</i> , 2019 , 8, 22	3.3	2
16	iPSC-Derived Trabecular Meshwork Cells Stimulate Endogenous TM Cell Division Through Gap Junction in a Mouse Model of Glaucoma 2021 , 62, 28		2
15	Trabecular Meshwork Motion Profile from Pulsatile Pressure Transients: A New Platform to Simulate Transitory Responses in Humans and Nonhuman Primates. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 11	2.6	2
14	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. 2022 , 63, 12		1

13	Determinants of maximum cup depth in non-glaucoma and primary open-angle glaucoma subjects: a population-based study. <i>Eye</i> , 2020 , 34, 892-900	4.4	1
12	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgery-MIGS-Like Platform and Optical Coherence Tomography Imaging.. <i>Frontiers in Medicine</i> , 2022 , 9, 815866	4.9	1
11	Refractive Lens Exchange Surgery in Early-Onset High Myopia Patients With Partial Cataract.. <i>Frontiers in Medicine</i> , 2022 , 9, 739197	4.9	0
10	Pulsatile Trabecular Meshwork Motion: An Indicator of Intraocular Pressure Control in Primary Open-Angle Glaucoma. <i>Journal of Clinical Medicine</i> , 2022 , 11, 2696	5.1	0
9	ASSA13-10-21 Effect of Bleeding on Hospitalised Mortality in Acute Myocardial Infarction Patients Aged 80 and Over. <i>Heart</i> , 2013 , 99, A48.3-A48	5.1	
8	The phosphorylation of CHK1 at Ser345 regulates the phenotypic switching of vascular smooth muscle cells both in vitro and in vivo. <i>Atherosclerosis</i> , 2020 , 313, 50-59	3.1	
7	Ab Interno vs. Ab Externo Microcatheter-Assisted Circumferential Trabeculotomy in Treating Patients With Primary Open-Angle Glaucoma.. <i>Frontiers in Medicine</i> , 2021 , 8, 795172	4.9	
6	Disease-related and age-related changes of anterior chamber angle structures in patients with primary congenital glaucoma: An in vivo high-frequency ultrasound biomicroscopy-based study 2020 , 15, e0227602		
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