Joel S Schuman

List of Publications by Year
in descending order

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		5268	2571
467	46,027	83	195
papers	citations	h-index	g-index

491	491	491	19424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Coherence Tomography. Science, 1991, 254, 1178-1181.	12.6	13,009
2	Imaging of Macular Diseases with Optical Coherence Tomography. Ophthalmology, 1995, 102, 217-229.	5.2	1,222
3	Ultrahigh-resolution ophthalmic optical coherence tomography. Nature Medicine, 2001, 7, 502-507.	30.7	954
4	In vivo retinal imaging by optical coherence tomography. Optics Letters, 1993, 18, 1864.	3.3	906
5	Quantification of Nerve Fiber Layer Thickness in Normal and Glaucomatous Eyes Using Optical Coherence Tomography. JAMA Ophthalmology, 1995, 113, 586.	2.4	835
6	Reproducibility of Nerve Fiber Layer Thickness Measurements Using Optical Coherence Tomography. Ophthalmology, 1996, 103, 1889-1898.	5.2	660
7	Three-dimensional Retinal Imaging with High-Speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2005, 112, 1734-1746.	5.2	633
8	Topography of diabetic macular edema with optical coherence tomography. Ophthalmology, 1998, 105, 360-370.	5.2	597
9	Determinants of Normal Retinal Nerve Fiber Layer Thickness Measured by Stratus OCT. Ophthalmology, 2007, 114, 1046-1052.	5.2	583
10	Detection of Macular Ganglion Cell Loss in Glaucoma by Fourier-Domain Optical Coherence Tomography. Ophthalmology, 2009, 116, 2305-2314.e2.	5.2	583
11	Reproducibility of Nerve Fiber Thickness, Macular Thickness, and Optic Nerve Head Measurements Using StratusOCT. , 2004, 45, 1716.		523
12	Optical Coherence Tomography of Macular Holes. Ophthalmology, 1995, 102, 748-756.	5.2	472
13	Ultrahigh speed 1050nm swept source / Fourier domain OCT retinal and anterior segment imaging at 100,000 to 400,000 axial scans per second. Optics Express, 2010, 18, 20029.	3.4	469
14	Macular Segmentation with Optical Coherence Tomography. , 2005, 46, 2012.		460
15	Optical Coherence Tomography of Age-related Macular Degeneration and Choroidal Neovascularization. Ophthalmology, 1996, 103, 1260-1270.	5.2	410
16	Characterization of Epiretinal Membranes Using Optical Coherence Tomography. Ophthalmology, 1996, 103, 2142-2151.	5.2	376
17	Optical coherence tomography measurement of macular and nerve fiber layer thickness in normal and glaucomatous human eyes. Ophthalmology, 2003, 110, 177-189.	5.2	364
18	Normal Macular Thickness Measurements in Healthy Eyes Using Stratus Optical Coherence Tomography. JAMA Ophthalmology, 2006, 124, 193.	2.4	351

#	Article	IF	Citations
19	The APOSTEL recommendations for reporting quantitative optical coherence tomography studies. Neurology, 2016, 86, 2303-2309.	1.1	331
20	OCT for glaucoma diagnosis, screening and detection of glaucoma progression. British Journal of Ophthalmology, 2014, 98, ii15-ii19.	3.9	324
21	Optical Coherence Tomography Longitudinal Evaluation of Retinal Nerve Fiber Layer Thickness in Glaucoma. JAMA Ophthalmology, 2005, 123, 464.	2.4	318
22	High-Definition and 3-dimensional Imaging of Macular Pathologies with High-speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2006, 113, 2054-2065.e3.	5.2	310
23	Optical coherence tomography: A new tool for glaucoma diagnosis. Current Opinion in Ophthalmology, 1995, 6, 89-95.	2.9	300
24	Ability of Cirrus HD-OCT Optic Nerve Head Parameters to Discriminate Normal from Glaucomatous Eyes. Ophthalmology, 2011, 118, 241-248.e1.	5.2	294
25	Ultrahigh-Speed Optical Coherence Tomography for Three-Dimensional and En Face Imaging of the Retina and Optic Nerve Head. , 2008, 49, 5103.		283
26	Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma. PLoS Genetics, 2012, 8, e1002654.	3.5	276
27	Ocular Hypotony After Trabeculectomy With Mitomycin C. American Journal of Ophthalmology, 1993, 116, 314-326.	3.3	268
28	Characterization of Outer Retinal Morphology with High-Speed, Ultrahigh-Resolution Optical Coherence Tomography. , 2008, 49, 1571.		261
29	Ganglion Cell Loss in Relation to Visual Disability in Multiple Sclerosis. Ophthalmology, 2012, 119, 1250-1257.	5.2	260
30	Long-term Outcome of Initial Ciliary Ablation with Contact Diode Laser Transscleral Cyclophotocoagulation for Severe Glaucoma. Ophthalmology, 1996, 103, 1294-1302.	5.2	258
31	Redefining Lamellar Holes and the Vitreomacular Interface: An Ultrahigh-Resolution Optical Coherence Tomography Study. Ophthalmology, 2006, 113, 388-397.	5.2	244
32	Optical Coherence Tomography: History, Current Status, and Laboratory Work. , 2011, 52, 2425.		236
33	Profile and Predictors of Normal Ganglion Cellâ€“Inner Plexiform Layer Thickness Measured with Frequency-Domain Optical Coherence Tomography. , 2011, 52, 7872.		234
34	Comparison of three optical coherence tomography scanning areas for detection of glaucomatous damage. American Journal of Ophthalmology, 2005, 139, 39-43.	3.3	230
35	Activation of a tissue-specific stress response in the aqueous outflow pathway of the eye defines the glaucoma disease phenotype. Nature Medicine, 2001, 7, 304-309.	30.7	226
36	Optical Coherence Tomography of Central Serous Chorioretinopathy. American Journal of Ophthalmology, 1995, 120, 65-74.	3.3	214

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37	Comparison of ultrahigh- and standard-resolution optical coherence tomography for imaging macular hole pathology and repairâ˜†. Ophthalmology, 2004, 111, 2033-2043.	5.2	214
38	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. Nature Genetics, 2016, 48, 189-194.	21.4	211
39	Comparison of Ultrahigh- and Standard-Resolution Optical Coherence Tomography for Imaging Macular Pathology. Ophthalmology, 2005, 112, 1922.e1-1922.e15.	5.2	196
40	COMPARISON OF SPECTRAL/FOURIER DOMAIN OPTICAL COHERENCE TOMOGRAPHY INSTRUMENTS FOR ASSESSMENT OF NORMAL MACULAR THICKNESS. Retina, 2010, 30, 235-245.	1.7	195
41	Increased intraocular pressure and visual field defects in high resistance wind instrument players. Ophthalmology, 2000, 107, 127-133.	5.2	192
42	A 1-Year Study of Brimonidine Twice Daily in Glaucoma and Ocular Hypertension. JAMA Ophthalmology, 1997, 115, 847.	2.4	190
43	Effects of Age on Optical Coherence Tomography Measurements of Healthy Retinal Nerve Fiber Layer, Macula, and Optic Nerve Head. Ophthalmology, 2009, 116, 1119-1124.	5.2	189
44	Optical coherence tomography (oct) macular and peripapillary retinal nerve fiber layer measurements and automated visual fields. American Journal of Ophthalmology, 2004, 138, 218-225.	3.3	188
45	The Current State of Teleophthalmology in the United States. Ophthalmology, 2017, 124, 1729-1734.	5.2	188
46	One-Year, Randomized Study Comparing Bimatoprost and Timolol in Glaucoma and Ocular Hypertension. JAMA Ophthalmology, 2002, 120, 1286.	2.4	180
47	Noninvasive Volumetric Imaging and Morphometry of the Rodent Retina with High-Speed, Ultrahigh-Resolution Optical Coherence Tomography. , 2006, 47, 5522.		177
48	Identification and Assessment of Schlemm's Canal by Spectral-Domain Optical Coherence Tomography. , 2010, 51, 4054.		170
49	Optical Coherence Tomography Machine Learning Classifiers for Glaucoma Detection: A Preliminary Study. , 2005, 46, 4147.		169
50	Review and meta-analysis of ab-interno trabeculectomy outcomes. British Journal of Ophthalmology, 2016, 100, 594-600.	3.9	168
51	Selective Laser Trabeculoplasty Versus Medical Therapy as Initial Treatment of Glaucoma. Journal of Glaucoma, 2012, 21, 460-468.	1.6	157
52	Diagnostic Tools for Glaucoma Detection and Management. Survey of Ophthalmology, 2008, 53, S17-S32.	4.0	154
53	Quantitative 3D-OCT motion correction with tilt and illumination correction, robust similarity measure and regularization. Biomedical Optics Express, 2014, 5, 2591.	2.9	150
54	Comparison of optic nerve head measurements obtained by optical coherence tomography and confocal scanning laser ophthalmoscopy. American Journal of Ophthalmology, 2003, 135, 504-512.	3.3	148

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55	Tracking optical coherence tomography. Optics Letters, 2004, 29, 2139.	3.3	145
56	Automated macular pathology diagnosis in retinal OCT images using multi-scale spatial pyramid and local binary patterns in texture and shape encoding. Medical Image Analysis, 2011, 15, 748-759.	11.6	145
57	Cataract surgery and environmental sustainability: Waste and lifecycle assessment of phacoemulsification at a private healthcare facility. Journal of Cataract and Refractive Surgery, 2017, 43, 1391-1398.	1.5	145
58	Ultra-high Resolution Optical Coherence Tomography Assessment of Photoreceptors in Retinitis Pigmentosa and Related Diseases. American Journal of Ophthalmology, 2006, 142, 945-952.e1.	3.3	143
59	Retinal nerve fibre layer and visual function loss in glaucoma: the tipping point. British Journal of Ophthalmology, 2012, 96, 47-52.	3.9	143
60	Ultrahigh-Resolution Optical Coherence Tomography in Patients with Decreased Visual Acuity after Retinal Detachment Repair. Ophthalmology, 2006, 113, 666-672.	5.2	140
61	Acquired Immunodeficiency Syndrome (AIDS). Survey of Ophthalmology, 1987, 31, 384-410.	4.0	137
62	Assessment of Artifacts and Reproducibility across Spectral- and Time-Domain Optical Coherence Tomography Devices. Ophthalmology, 2009, 116, 1960-1970.	5.2	137
63	Tonometry in adults and children. Ophthalmology, 1998, 105, 1173-1181.	5.2	135
64	Evaluation of focal defects of the nerve fiber layer using optical coherence tomography. Ophthalmology, 1999, 106, 570-579.	5.2	133
65	Documentation of Intraretinal Retinal Pigment Epithelium Migration via High-Speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2011, 118, 687-693.	5.2	133
66	A feature agnostic approach for glaucoma detection in OCT volumes. PLoS ONE, 2019, 14, e0219126.	2.5	132
67	High-Speed Ultraâ€“High-Resolution Optical Coherence Tomography Findings in Hydroxychloroquine Retinopathy. JAMA Ophthalmology, 2007, 125, 775.	2.4	131
68	Idiopathic Juxtafoveal Retinal Telangiectasis. Ophthalmology, 2006, 113, 48-57.	5.2	129
69	Retinal nerve fibre layer thickness measurement reproducibility improved with spectral domain optical coherence tomography. British Journal of Ophthalmology, 2009, 93, 1057-1063.	3.9	129
70	Herpes zoster ophthalmicus. Survey of Ophthalmology, 1992, 36, 395-410.	4.0	126
71	Clinical experience with brimonidine 0.2% and timolol 0.5% in glaucoma and ocular hypertension. Survey of Ophthalmology, 1996, 41, S27-S37.	4.0	126
72	Effect of optic nerve head drusen on nerve fiber layer thickness11The authors have no proprietary interest in the development of this or competing instruments.. Ophthalmology, 1998, 105, 878-885.	5.2	125

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73	Analysis of macular volume in normal and glaucomatous eyes using optical coherence tomography. American Journal of Ophthalmology, 2003, 135, 838-843.	3.3	125
74	Nitrovasodilator Effects on Intraocular Pressure and Outflow Facility in Monkeys. Experimental Eye Research, 1994, 58, 99-105.	2.6	123
75	Optic Nerve Head and Retinal Nerve Fiber Layer Analysis. Ophthalmology, 2007, 114, 1937-1949.	5.2	121
76	Intravitreal Bevacizumab in a Patient With Neovascular Glaucoma. Ophthalmic Surgery Lasers and Imaging Retina, 2006, 37, 144-146.	0.7	120
77	Contact Transscleral Nd:YAG Laser Cyclophotocoagulation. Ophthalmology, 1992, 99, 1089-1095.	5.2	116
78	Ultrasound Activates the TM ELAM-1/IL-1/NF-Î¹B Response: A Potential Mechanism for Intraocular Pressure Reduction after Phacoemulsification. , 2003, 44, 1977.		114
79	Ultrahigh-Resolution Optical Coherence Tomography of Surgically Closed Macular Holes. JAMA Ophthalmology, 2006, 124, 827.	2.4	110
80	Glaucoma discrimination of segmented cirrus spectral domain optical coherence tomography (SD-OCT) macular scans. British Journal of Ophthalmology, 2012, 96, 1420-1425.	3.9	109
81	Multipotent Stem Cells from Trabecular Meshwork Become Phagocytic TM Cells. , 2012, 53, 1566.		107
82	Spectral domain optical coherence tomography for glaucoma (an AOS thesis). Transactions of the American Ophthalmological Society, 2008, 106, 426-58.	1.4	107
83	Comparison of Glaucoma Progression Detection by Optical Coherence Tomography and Visual Field. American Journal of Ophthalmology, 2017, 184, 63-74.	3.3	101
84	Contact Transscleral Continuous Wave Neodymium:YAG Laser Cyclophotocoagulation. Ophthalmology, 1990, 97, 571-580.	5.2	97
85	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. Neurology, 2021, 97, 68-79.	1.1	96
86	Optical Coherence Tomography Scan Circle Location and Mean Retinal Nerve Fiber Layer Measurement Variability. , 2008, 49, 2315.		94
87	Stem Cells from Trabecular Meshwork Home to TM Tissue In Vivo. , 2013, 54, 1450.		92
88	Imaging of the retinal nerve fibre layer for glaucoma. British Journal of Ophthalmology, 2009, 93, 139-143.	3.9	91
89	Association of CAV1/CAV2 Genomic Variants with Primary Open-Angle Glaucoma Overall and by Gender and Pattern of Visual Field Loss. Ophthalmology, 2014, 121, 508-516.	5.2	91
90	Interocular Symmetry in Peripapillary Retinal Nerve Fiber Layer Thickness Measured With the Cirrus HD-OCT in Healthy Eyes. American Journal of Ophthalmology, 2011, 151, 514-521.e1.	3.3	90

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91	Stage 0 macular holesObservations by optical coherence tomography. Ophthalmology, 2004, 111, 2027-2032.	5.2	88
92	Ultrahigh resolution optical coherence tomography in non-exudative age related macular degeneration. British Journal of Ophthalmology, 2006, 90, 191-197.	3.9	88
93	Anterior segment imaging: ultrasound biomicroscopy. Ophthalmology Clinics of North America, 2004, 17, 7-20.	1.8	87
94	Efficacy and Safety of a Fixed Combination of Travoprost 0.004%/Timolol 0.5% Ophthalmic Solution Once Daily for Open-Angle Glaucoma or Ocular Hypertension. American Journal of Ophthalmology, 2005, 140, 242.e1-242.e11.	3.3	87
95	Imaging of the retinal nerve fibre layer with spectral domain optical coherence tomography for glaucoma diagnosis. British Journal of Ophthalmology, 2011, 95, 909-914.	3.9	87
96	Needle Bleb Revision of Encapsulated Filtering Bleb With Bevacizumab. Ophthalmic Surgery Lasers and Imaging Retina, 2006, 37, 148-150.	0.7	87
97	In Vivo Lamina Cribrosa Micro-Architecture in Healthy and Glaucomatous Eyes as Assessed by Optical Coherence Tomography. , 2013, 54, 8270.		86
98	Antiglaucoma medications: A review of safety and tolerability issues related to their use. Clinical Therapeutics, 2000, 22, 167-208.	2.5	85
99	IOP Elevation Reduces Schlemm's Canal Cross-Sectional Area. , 2014, 55, 1805.		85
100	Outcomes of ab interno trabeculectomy with the trabectome by degree of angle opening. British Journal of Ophthalmology, 2015, 99, 914-919.	3.9	85
101	MICROSTRUCTURAL ABNORMALITIES IN MEWDS DEMONSTRATED BY ULTRAHIGH RESOLUTION OPTICAL COHERENCE TOMOGRAPHY. Retina, 2007, 27, 414-418.	1.7	84
102	Comparison of mitomycin C trabeculectomy, glaucoma drainage device implantation, and laser neodymium: YAG cyclophotocoagulation in the management of intractable glaucoma after penetrating keratoplasty11The authors have no proprietary interests in any materials mentioned in this article.. Ophthalmology, 1998, 105, 1550-1556.	5.2	83
103	Automated perimetry. Ophthalmology, 2002, 109, 2362-2374.	5.2	83
104	Optical coherence tomography assessment of retinal nerve fiber layer thickness changes after glaucoma surgery. Ophthalmology, 2003, 110, 1506-1511.	5.2	83
105	Polarization microscopy for characterizing fiber orientation of ocular tissues. Biomedical Optics Express, 2015, 6, 4705.	2.9	82
106	Optical Coherence Tomography (OCT) in Ophthalmology: Introduction. Optics Express, 2009, 17, 3978.	3.4	81
107	Ultrahigh-resolution optical coherence tomography in glaucoma. Ophthalmology, 2005, 112, 229-237.	5.2	80
108	Retinal Structures and Visual Cortex Activity are Impaired Prior to Clinical Vision Loss in Glaucoma. Scientific Reports, 2016, 6, 31464.	3.3	80

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109	Cholinergic nervous system and glaucoma: From basic science to clinical applications. Progress in Retinal and Eye Research, 2019, 72, 100767.	15.5	80
110	Clinical Features of Five Pedigrees Genetically Linked to the Juvenile Glaucoma Locus on Chromosome 1q21-q31. Ophthalmology, 1995, 102, 1782-1789.	5.2	79
111	A new quality assessment parameter for optical coherence tomography. British Journal of Ophthalmology, 2006, 90, 186-190.	3.9	78
112	Corneal Thickness Measurement in the Management of Primary Open-angle Glaucoma. Ophthalmology, 2007, 114, 1779-1787.	5.2	78
113	Effect of Corneal Drying on Optical Coherence Tomography. Ophthalmology, 2006, 113, 985-991.	5.2	76
114	Visualization of the Conventional Outflow Pathway in the Living Human Eye. Ophthalmology, 2012, 119, 1563-1568.	5.2	76
115	CDKN2B-AS1 Genotypeâ€“Glaucoma Feature Correlations in Primary Open-Angle Glaucoma Patients From the United States. American Journal of Ophthalmology, 2013, 155, 342-353.e5.	3.3	76
116	Effects of systemic Î²-blocker therapy on the efficacy and safety of topical brimonidine and timolol11None of the clinical investigators or authors have a proprietary interest in the products discussed in this manuscript; Pamela Barnett, Amy Batoosingh, Kuankuan Chen, Robert David, MD, Marsha Harrold, and Amanda VanDenburgh are employees of Allergan, Inc.. Ophthalmology, 2000, 107, 1171-1177.	5.2	75
117	Optical coherence tomography measurement of nerve fiber layer thickness and the likelihood of a visual field defect 11InternetAdvance publication at ajo.com Sep 23, 2002.. American Journal of Ophthalmology, 2002, 134, 538-546.	3.3	75
118	In Vivo Corneal High-Speed, Ultraâ€“High-Resolution Optical Coherence Tomography. JAMA Ophthalmology, 2007, 125, 1027.	2.4	75
119	Combining Nerve Fiber Layer Parameters to Optimize Glaucoma Diagnosis with Optical Coherence Tomography. Ophthalmology, 2008, 115, 1352-1357.e2.	5.2	75
120	Retinal optical coherence tomography image enhancement via deep learning. Biomedical Optics Express, 2018, 9, 6205.	2.9	73
121	Macular assessment using optical coherence tomography for glaucoma diagnosis: TableÂ1. British Journal of Ophthalmology, 2012, 96, 1452-1455.	3.9	72
122	Comparison of acute structural and histopathological changes in human autopsy eyes after endoscopic cyclophotocoagulation and trans-scleral cyclophotocoagulation. British Journal of Ophthalmology, 2007, 91, 248-252.	3.9	71
123	Glaucoma Detection with the Heidelberg Retina Tomograph 3. Ophthalmology, 2007, 114, 466-471.	5.2	71
124	Outcomes of ab interno trabeculectomy with the trabectome after failed trabeculectomy. British Journal of Ophthalmology, 2015, 99, 258-262.	3.9	71
125	Optical Coherence Tomography and Histologic Measurements of Nerve Fiber Layer Thickness in Normal and Glaucomatous Monkey Eyes. , 2007, 48, 3645.		69
126	Clinical Utility of Optical Coherence Tomography in Glaucoma. , 2016, 57, OCT556.		69

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127	Peripapillary Nerve Fiber Layer Thickness Profile Determined with High Speed, Ultrahigh Resolution Optical Coherence Tomography High-Density Scanning. , 2007, 48, 3154.		68
128	3D visualization of aqueous humor outflow structures in-situ in humans. Experimental Eye Research, 2011, 93, 308-315.	2.6	67
129	Advanced scanning methods with tracking optical coherence tomography. Optics Express, 2005, 13, 7937.	3.4	66
130	Topographic Differences in the Age-related Changes in the Retinal Nerve Fiber Layer of Normal Eyes Measured by Stratus Optical Coherence Tomography. Journal of Glaucoma, 2011, 20, 133-138.	1.6	66
131	Experimental Use of Semiconductor Diode Laser in Contact Transscleral Cyclophotocoagulation in Rabbits. JAMA Ophthalmology, 1990, 108, 1152.	2.4	65
132	Asymmetry in Hemifield Macular Thickness as an Early Indicator of Glaucomatous Change. , 2012, 53, 1139.		65
133	Reactivation of herpes simplex virus keratitis after initiating bimatoprost treatment for glaucoma. American Journal of Ophthalmology, 2002, 133, 401-403.	3.3	64
134	Spectral oximetry assessed with high-speed ultra-high-resolution optical coherence tomography. Journal of Biomedical Optics, 2007, 12, 041212.	2.6	64
135	Coarsened Exact Matching of Phaco-Trabectome to Trabectome in Phakic Patients: Lack of Additional Pressure Reduction from Phacoemulsification. PLoS ONE, 2016, 11, e0149384.	2.5	64
136	Evaluation of Coexisting Optic Nerve Head Drusen and Glaucoma with Optical Coherence Tomography. Ophthalmology, 1997, 104, 1138-1144.	5.2	63
137	Classification of healthy and diseased retina using SD-OCT imaging and Random Forest algorithm. PLoS ONE, 2018, 13, e0198281.	2.5	63
138	Techniques and outcomes of minimally invasive trabecular ablation and bypass surgery. British Journal of Ophthalmology, 2014, 98, 579-585.	3.9	62
139	Longitudinal Change of Circumpapillary Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. American Journal of Ophthalmology, 2015, 160, 944-952.e1.	3.3	60
140	Comparison of acute structural and histopathological changes of the porcine ciliary processes after endoscopic cyclophotocoagulation and transscleral cyclophotocoagulation. Clinical and Experimental Ophthalmology, 2007, 35, 270-274.	2.6	59
141	Three dimensional optical coherence tomography imaging: Advantages and advances. Progress in Retinal and Eye Research, 2010, 29, 556-579.	15.5	59
142	Impact of a Glaucoma Severity Index on Results of Trabectome Surgery: Larger Pressure Reduction in More Severe Glaucoma. PLoS ONE, 2016, 11, e0151926.	2.5	59
143	Longitudinal and Cross-Sectional Analyses of Age Effects on Retinal Nerve Fiber Layer and Ganglion Cell Complex Thickness by Fourier-Domain OCT. Translational Vision Science and Technology, 2016, 5, 1.	2.2	58
144	Modulation of Human Fibroblast Activity by Selected Angiogenesis Inhibitors. Experimental Eye Research, 1994, 58, 439-451.	2.6	57

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145	Detection of Differentially Expressed Glycogenes in Trabecular Meshwork of Eyes with Primary Open-Angle Glaucoma. , 2006, 47, 1491.		57
146	Handheld Optical Coherence Tomography During Sedation in Young Children With Optic Pathway Gliomas. JAMA Ophthalmology, 2014, 132, 265.	2.5	57
147	Predicting Development of Glaucomatous Visual Field Conversion Using Baseline Fourier-Domain Optical Coherence Tomography. American Journal of Ophthalmology, 2016, 163, 29-37.	3.3	57
148	Optic Nerve Head (ONH) Topographic Analysis by Stratus OCT in Normal Subjects: Correlation to Disc Size, Age, and Ethnicity. Journal of Glaucoma, 2010, 19, 310-318.	1.6	57
149	Energy Levels and Probe Placement in Contact Transscleral Semiconductor Diode Laser Cyclophotocoagulation in Human Cadaver Eyes. JAMA Ophthalmology, 1991, 109, 1534.	2.4	56
150	Retinal Nerve Fiber Layer Thickness Measurement Comparability between Time Domain Optical Coherence Tomography (OCT) and Spectral Domain OCT. , 2010, 51, 896.		56
151	In Vivo Three-Dimensional Characterization of the Healthy Human Lamina Cribrosa With Adaptive Optics Spectral-Domain Optical Coherence Tomography. , 2014, 55, 6459.		56
152	Ultrahigh-Resolution Spectral Domain Optical Coherence Tomography Imaging of the Lamina Cribrosa. Ophthalmic Surgery Lasers and Imaging Retina, 2008, 39, S126-131.	0.7	56
153	The NEIGHBOR Consortium Primary Open-Angle Glaucoma Genome-wide Association Study. Journal of Glaucoma, 2013, 22, 517-525.	1.6	55
154	Baseline Fourier-Domain Optical Coherence Tomography Structural Risk Factors for Visual Field Progression in the Advanced Imaging for Glaucoma Study. American Journal of Ophthalmology, 2016, 172, 94-103.	3.3	55
155	Morphometric Analysis of Aqueous Humor Outflow Structures with Spectral-Domain Optical Coherence Tomography. , 2012, 53, 5198.		54
156	Projection OCT fundus imaging for visualising outer retinal pathology in non-exudative age-related macular degeneration. British Journal of Ophthalmology, 2009, 93, 603-609.	3.9	53
157	Imaging of the Lamina Cribrosa in Glaucoma: Perspectives of Pathogenesis and Clinical Applications. Current Eye Research, 2013, 38, 903-909.	1.5	53
158	Senior-Loken Syndrome (Familial Renal-Retinal Dystrophy) and Coats' Disease. American Journal of Ophthalmology, 1985, 100, 822-827.	3.3	52
159	Genome-Wide Analysis of Central Corneal Thickness in Primary Open-Angle Glaucoma Cases in the NEIGHBOR and GLAUGEN Consortia. , 2012, 53, 4468.		52
160	Automated lamina cribrosa microstructural segmentation in optical coherence tomography scans of healthy and glaucomatous eyes. Biomedical Optics Express, 2013, 4, 2596.	2.9	52
161	Adaptive optics optical coherence tomography in glaucoma. Progress in Retinal and Eye Research, 2017, 57, 76-88.	15.5	52
162	Can Macula and Optic Nerve Head Parameters Detect Glaucoma Progression in Eyes with Advanced Circumpapillary Retinal Nerve Fiber Layer Damage?. Ophthalmology, 2018, 125, 1907-1912.	5.2	52

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163	QUANTIFICATION OF PHOTORECEPTOR LAYER THICKNESS IN NORMAL EYES USING OPTICAL COHERENCE TOMOGRAPHY. Retina, 2006, 26, 655-660.	1.7	51
164	Peripapillary Schisis in Glaucoma Patients With Narrow Angles and Increased Intraocular Pressure. American Journal of Ophthalmology, 2007, 143, 697-699.e1.	3.3	51
165	Does Optic Nerve Head Size Variation Affect Circumpapillary Retinal Nerve Fiber Layer Thickness Measurement by Optical Coherence Tomography?. , 2012, 53, 4990.		51
166	Retinal Nerve Fiber Layer Atrophy Is Associated With Visual Field Loss Over Time in Glaucoma Suspect and Glaucomatous Eyes. American Journal of Ophthalmology, 2013, 155, 73-82.e1.	3.3	51
167	Magic Angleâ€"Enhanced MRI of Fibrous Microstructures in Sclera and Cornea With and Without Intraocular Pressure Loading. , 2014, 55, 5662.		51
168	Long Term Glaucoma Drug Delivery Using a Topically Retained Gel/Microsphere Eye Drop. Scientific Reports, 2017, 7, 8639.	3.3	50
169	Systems genetics identifies a role for Cacna2d1 regulation in elevated intraocular pressure and glaucoma susceptibility. Nature Communications, 2017, 8, 1755.	12.8	50
170	A Laser-Induced Mouse Model with Long-Term Intraocular Pressure Elevation. PLoS ONE, 2014, 9, e107446.	2.5	49
171	Reproducibility of Spectral-Domain Optical Coherence Tomography Total Retinal Thickness Measurements in Mice. , 2010, 51, 6519.		47
172	Five-year results of a randomized, prospective, clinical trial of diode vs argon laser trabeculoplasty for open-angle glaucoma. American Journal of Ophthalmology, 1998, 126, 185-190.	3.3	46
173	Automated Assessment of the Optic Nerve Head on Stereo Disc Photographs. , 2008, 49, 2512.		46
174	Optical Coherence Tomography as a Rapid, Accurate, Noncontact Method of Visualizing the Palisades of Vogt. , 2012, 53, 1381.		46
175	Computerized Macular Pathology Diagnosis in Spectral Domain Optical Coherence Tomography Scans Based on Multiscale Texture and Shape Features. , 2011, 52, 8316.		45
176	Repeated, noninvasive, high resolution spectral domain optical coherence tomography imaging of zebrafish embryos. Molecular Vision, 2008, 14, 2157-70.	1.1	45
177	Regionally Discrete Aqueous Humor Outflow Quantification Using Fluorescein Canalograms. PLoS ONE, 2016, 11, e0151754.	2.5	44
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