Hiroshi Ishikawa

List of Publications by Year in Descending Order

282 papers	8,768 citations	48 h-index	85 g-index
293 ext. papers	10,014 ext. citations	4.4 avg, IF	5.67 L-index

#	Paper	IF	Citations
282	In Vivo Sublayer Analysis of Human Retinal Inner Plexiform Layer Obtained by Visible-Light Optical Coherence Tomography. **2022**, 63, 18		5
281	Characterization of Oxygen Levels in an Uninfected and Infected Human Blood-Cerebrospinal-Fluid-Barrier Model.. *Cells*, **2022**, 11,	7.9	1
280	Transplanted neural lineage cells derived from dental pulp stem cells promote peripheral nerve regeneration.. *Human Cell*, **2022**, 35, 462	4.5	0
279	Inducing substances for chondrogenic differentiation of dental pulp stem cells in the conditioned medium of a novel chordoma cell line.. *Human Cell*, **2022**, 35, 745	4.5	0
278	Transmigration of across an blood-cerebrospinal fluid barrier.. *IScience*, **2022**, 25, 104014	6.1	0
277	3D Microstructure of the Healthy Non-Human Primate Lamina Cribrosa by Optical Coherence Tomography Imaging.. *Translational Vision Science and Technology*, **2022**, 11, 15	3.3	1
276	Hybrid repair for Kommerell's diverticulum and right aortic arch with aberrant right vertebral artery. **2022**, 8, 34-36		
275	Microstructural Deformations Within the Depth of the Lamina Cribrosa in Response to Acute In Vivo Intraocular Pressure Modulation **2022**, 63, 25		1
274	AI and Glaucoma **2021**, 113-125		
273	Technical Aspects of Deep Learning in Ophthalmology **2021**, 69-75		
272	Interplay between intraocular and intracranial pressure effects on the optic nerve head in vivo. *Experimental Eye Research*, **2021**, 213, 108809	3.7	3
271	ASSESSING THE ABILITY OF PREOPERATIVE QUANTITATIVE SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY CHARACTERISTICS TO PREDICT VISUAL OUTCOME IN IDIOPATHIC MACULAR HOLE SURGERY. *Retina*, **2021**, 41, 29-36	3.6	1
270	Prenatal ultrasonographic findings and fetal/neonatal outcomes of body stalk anomaly. *Congenital Anomalies (discontinued)*, **2021**, 61, 118-126	1.1	1
269	A Comparative Transcriptome Analysis of Human and Porcine Choroid Plexus Cells in Response to Serotype 2 Infection Points to a Role of Hypoxia. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 639620	5.9	4
268	Formation of contractile 3D bovine muscle tissue for construction of millimetre-thick cultured steak. *Npj Science of Food*, **2021**, 5, 6	6.3	30
267	Retinal blood flow reduction in normal-tension glaucoma with single-hemifield damage by Doppler optical coherence tomography. *British Journal of Ophthalmology*, **2021**, 105, 124-130	5.5	6
266	Estimating Global Visual Field Indices in Glaucoma by Combining Macula and Optic Disc OCT Scans Using 3-Dimensional Convolutional Neural Networks. *Ophthalmology Glaucoma*, **2021**, 4, 102-112	2.2	7

265	Longitudinal changes in the macula and optic nerve in familial dysautonomia. *Journal of Neurology*, **2021**, 268, 1402-1409	5.5	
264	Cadaverine and Spermine Elicit Ca Uptake in Human CP Cells via a Trace Amine-Associated Receptor 1 Dependent Pathway. *Journal of Molecular Neuroscience*, **2021**, 71, 625-637	3.3	2
263	Determining the Location of the Fovea Centralis Via En-Face SLO and Cross-Sectional OCT Imaging in Patients Without Retinal Pathology. *Translational Vision Science and Technology*, **2021**, 10, 25	3.3	
262	Induced Neural Cells from Human Dental Pulp Ameliorate Functional Recovery in a Murine Model of Cerebral Infarction. *Stem Cell Reviews and Reports*, **2021**, 1	7.3	0
261	Oral Scutellarin Treatment Ameliorates Retinal Thinning and Visual Deficits in Experimental Glaucoma. *Frontiers in Medicine*, **2021**, 8, 681169	4.9	2
260	Invasion of the choroid plexus epithelium by Neisseria meningitidis is differently mediated by Arp2/3 signaling and possibly by dynamin dependent on the presence of the capsule. *Pathogens and Disease*, **2021**, 79,	4.2	2
259	Optical Coherence Tomography and Glaucoma. *Annual Review of Vision Science*, **2021**, 7, 693-726	8.2	2
258	Capsule-dependent impact of MAPK signalling on host cell invasion and immune response during infection of the choroid plexus epithelium by Neisseria meningitidis. *Fluids and Barriers of the CNS*, **2021**, 18, 53	7	0
257	Zika virus infects pericytes in the choroid plexus and enters the central nervous system through the blood-cerebrospinal fluid barrier. *PLoS Pathogens*, **2020**, 16, e1008204	7.6	22
256	Characterization and comparative DNA methylation profiling of four adipogenic genes in adipose-derived stem cells and dedifferentiated fat cells from aging subjects. *Human Cell*, **2020**, 33, 974-989	4.5	2
255	Attention-Guided 3D-CNN Framework for Glaucoma Detection and Structural-Functional Association Using Volumetric Images. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 3421-3430	7.2	10
254	Altered secretory and neuroprotective function of the choroid plexus in progressive multiple sclerosis. *Acta Neuropathologica Communications*, **2020**, 8, 35	7.3	15
253	Human CD4 T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. *Fluids and Barriers of the CNS*, **2020**, 17, 3	7	28
252	Novel biallelic mutations alter the skeletal phenotype of 3M syndrome. *Human Genome Variation*, **2020**, 7, 1	1.8	4
251	Forecasting Retinal Nerve Fiber Layer Thickness from Multimodal Temporal Data Incorporating OCT Volumes. *Ophthalmology Glaucoma*, **2020**, 3, 14-24	2.2	1
250	The bitter taste receptor TAS2R14 regulates resveratrol transport across the human blood-cerebrospinal fluid barrier. *Biochemical Pharmacology*, **2020**, 177, 113953	6	8
249	Bitter taste receptors profiling in the human blood-cerebrospinal fluid-barrier. *Biochemical Pharmacology*, **2020**, 177, 113954	6	6
248	Self-supervised Denoising via Diffeomorphic Template Estimation: Application to Optical Coherence Tomography. *Lecture Notes in Computer Science*, **2020**, 72-82	0.9	1

247	Differentiation of Dental Pulp-Derived MSCs into Hepatocyte-Like Cells and Their Therapeutic Use for Chemical Liver Injuries of Rats. *Journal of Hard Tissue Biology*, **2020**, 29, 215-222	0.4	1
246	Prenatal diagnosis of Fraser syndrome caused by novel variants of. *Human Genome Variation*, **2020**, 7, 32	1.8	3
245	Macular GCIPL Thickness Map Prediction via Time-Aware Convolutional LSTM **2020**,		2
244	The Impact of Small Extracellular Vesicles on Lymphoblast Trafficking across the Blood-Cerebrospinal Fluid Barrier In Vitro. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
243	Polar Infection of Echovirus-30 Causes Differential Barrier Affection and Gene Regulation at the Blood-Cerebrospinal Fluid Barrier. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
242	The Choroid Plexus Is Permissive for a Preactivated Antigen-Experienced Memory B-Cell Subset in Multiple Sclerosis. *Frontiers in Immunology*, **2020**, 11, 618544	8.4	2
241	A severe form of Ellis-van Creveld syndrome caused by novel mutations in. *Human Genome Variation*, **2019**, 6, 40	1.8	4
240	Designing visible-light optical coherence tomography towards clinics. *Quantitative Imaging in Medicine and Surgery*, **2019**, 9, 769-781	3.6	11
239	A Simple Approach to Perform TEER Measurements Using a Self-Made Volt-Amperemeter with Programmable Output Frequency. *Journal of Visualized Experiments*, **2019**,	1.6	4
238	Real prevalence of neural tube defects in Japan: How many of such pregnancies have been terminated?. *Congenital Anomalies (discontinued)*, **2019**, 59, 118-124	1.1	5
237	Intra-Scleral Ciliary Sulcus Suprachoroidal Microtube: Making Supraciliary Glaucoma Surgery Affordable. *Journal of the National Medical Association*, **2019**, 111, 427-435	2.3	4
236	Existence of Neural Stem Cells in Mouse Spleen. *Scientific World Journal, The*, **2019**, 2019, 6264072	2.2	0
235	Looking at the Lamina-More Than Meets the Eye. *JAMA Ophthalmology*, **2019**, 137, 433-434	3.9	
234	A feature agnostic approach for glaucoma detection in OCT volumes. *PLoS ONE*, **2019**, 14, e0219126	3.7	75
233	Evaluating Glaucoma Treatment Effect on Intraocular Pressure Reduction Using Propensity Score Weighted Regression. *Scientific Reports*, **2019**, 9, 15496	4.9	2
232	Speckle reduction in visible-light optical coherence tomography using scan modulation. *Neurophotonics*, **2019**, 6, 041107	3.9	15
231	3D-CNN for Glaucoma Detection Using Optical Coherence Tomography. *Lecture Notes in Computer Science*, **2019**, 52-59	0.9	1
230	Distinct migratory pattern of naive and effector T cells through the blood-CSF barrier following Echovirus 30 infection. *Journal of Neuroinflammation*, **2019**, 16, 232	10.1	5

229	Predicting the intrauterine fetal death of fetuses with cystic hygroma in early pregnancy. *Congenital Anomalies (discontinued)*, **2018**, 58, 167-170	1.1	3
228	An automated method for choroidal thickness measurement from Enhanced Depth Imaging Optical Coherence Tomography images. *Computerized Medical Imaging and Graphics*, **2018**, 63, 41-51	7.6	10
227	A poor long-term neurological prognosis is associated with abnormal cord insertion in severe growth-restricted fetuses. *Journal of Perinatal Medicine*, **2018**, 46, 1040-1047	2.7	2
226	Clinical Prediction Performance of Glaucoma Progression Using a 2-Dimensional Continuous-Time Hidden Markov Model with Structural and Functional Measurements. *Ophthalmology*, **2018**, 125, 1354-1361	7.3	7
225	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	7.3	35
224	Increased Inner Retinal Layer Reflectivity in Eyes With Acute CRVO Correlates With Worse Visual Outcomes at 12 Months **2018**, 59, 3503-3510		7
223	Pediatric acute lymphoblastic leukemia-Conquering the CNS across the choroid plexus. *Leukemia Research*, **2018**, 71, 47-54	2.7	10
222	Capsule and fimbriae modulate the invasion of Haemophilus influenzae in a human blood-cerebrospinal fluid barrier model. *International Journal of Medical Microbiology*, **2018**, 308, 829-839	3.7	6
221	Strain-dependent effects of clinical echovirus 30 outbreak isolates at the blood-CSF barrier. *Journal of Neuroinflammation*, **2018**, 15, 50	10.1	8
220	Tortuous Pore Path Through the Glaucomatous Lamina Cribrosa. *Scientific Reports*, **2018**, 8, 7281	4.9	11
219	Retinal optical coherence tomography image enhancement via deep learning. *Biomedical Optics Express*, **2018**, 9, 6205-6221	3.5	50
218	Dental pulp cell bank as a possible future source of individual hepatocytes. *World Journal of Hepatology*, **2018**, 10, 702-707	3.4	13
217	Analysis of Morphological Changes of Lamina Cribrosa Under Acute Intraocular Pressure Change. *Lecture Notes in Computer Science*, **2018**, 11071, 364-371	0.9	1
216	Virulence factor-dependent basolateral invasion of choroid plexus epithelial cells by pathogenic Escherichia coli in vitro. *FEMS Microbiology Letters*, **2018**, 365,	2.9	4
215	Classification of healthy and diseased retina using SD-OCT imaging and Random Forest algorithm. *PLoS ONE*, **2018**, 13, e0198281	3.7	34
214	Sequential transmigration of polymorphonuclear cells and naive CD3 T lymphocytes across the blood-cerebrospinal-fluid barrier in vitro following infection with Echovirus 30. *Virus Research*, **2017** , 232, 54-62	6.4	11
213	Establishment and characterization of novel epithelial-like cell lines derived from human periodontal ligament tissue in vitro. *Human Cell*, **2017**, 30, 237-248	4.5	1
212	Reply. *Ophthalmology*, **2017**, 124, e24	7.3	1

211	Thick Prelaminar Tissue Decreases Lamina Cribrosa Visibility **2017**, 58, 1751-1757		10
210	Loss of Mpdz impairs ependymal cell integrity leading to perinatal-onset hydrocephalus in mice. *EMBO Molecular Medicine*, **2017**, 9, 890-905	12	31
209	Spatiotemporal Analysis of Structural Changes of the Lamina Cribrosa. *Lecture Notes in Computer Science*, **2017**, 185-193	0.9	1
208	Location of the Central Retinal Vessel Trunk in the Laminar and Prelaminar Tissue of Healthy and Glaucomatous Eyes. *Scientific Reports*, **2017**, 7, 9930	4.9	8
207	Perinatal mortality in Japanese women diagnosed with gestational diabetes mellitus and diabetes mellitus. *Journal of Obstetrics and Gynaecology Research*, **2017**, 43, 1700-1707	1.9	5
206	Neutrophil extracellular trap formation in the Streptococcus suis-infected cerebrospinal fluid compartment. *Cellular Microbiology*, **2017**, 19, e12649	3.9	42
205	Mitogen-activated protein kinases are required for effective infection of human choroid plexus epithelial cells by Listeria monocytogenes. *Microbes and Infection*, **2017**, 19, 18-33	9.3	19
204	In-vivo effects of intraocular and intracranial pressures on the lamina cribrosa microstructure. *PLoS ONE*, **2017**, 12, e0188302	3.7	30
203	Signal Normalization Reduces Image Appearance Disparity Among Multiple Optical Coherence Tomography Devices. *Translational Vision Science and Technology*, **2017**, 6, 13	3.3	1
202	Clinical characteristics of mirror syndrome: a comparison of 10 cases of mirror syndrome with non-mirror syndrome fetal hydrops cases. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 2630-4	2	6
201	Establishment and characterization of a clear cell carcinoma cell line, designated NOCC, derived from human ovary. *Human Cell*, **2016**, 29, 188-96	4.5	1
200	Optic pathway glioma volume predicts retinal axon degeneration in neurofibromatosis type 1. *Neurology*, **2016**, 87, 2403-2407	6.5	15
199	Significance of oligohydramnios in preterm small-for-gestational-age infants for outcome at 18 months of age. *Journal of Obstetrics and Gynaecology Research*, **2016**, 42, 1451-1456	1.9	6
198	A Choroid Plexus Epithelial Cell-based Model of the Human Blood-Cerebrospinal Fluid Barrier to Study Bacterial Infection from the Basolateral Side. *Journal of Visualized Experiments*, **2016**,	1.6	19
197	Induction and differentiation of adipose-derived stem cells from human buccal fat pads into salivary gland cells. *Human Cell*, **2016**, 29, 101-10	4.5	11
196	What is a typical optic nerve head?. *Experimental Eye Research*, **2016**, 149, 40-47	3.7	9
195	Impact of chorioamnionitis on short- and long-term outcomes in very low birth weight preterm infants: the Neonatal Research Network Japan. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 331-7	2	26
194	Isolation and characterization of embryonic ameloblast lineage cells derived from tooth buds of fetal miniature swine. *In Vitro Cellular and Developmental Biology - Animal*, **2016**, 52, 445-53	2.6	7

193	Predicting Development of Glaucomatous Visual Field Conversion Using Baseline Fourier-Domain Optical Coherence Tomography. *American Journal of Ophthalmology*, **2016**, 163, 29-37	4.9	45
192	Glaucoma Structural and Functional Progression in American and Korean Cohorts. *Ophthalmology*, **2016**, 123, 783-8	7.3	16
191	Prenatal risk stratification of severe small-for-gestational-age infants: a Japanese multicenter study. *Journal of Maternal-Fetal and Neonatal Medicine*, **2016**, 29, 1353-7	2	4
190	A Problem of Proportions in OCT-Based Morphometry and a Proposed Solution **2016**, 57, 484-5		10
189	Optic Nerve Head Measurements With Optical Coherence Tomography: A Phantom-Based Study Reveals Differences Among Clinical Devices **2016**, 57, OCT413-20		9
188	Decreased Lamina Cribrosa Beam Thickness and Pore Diameter Relative to Distance From the Central Retinal Vessel Trunk **2016**, 57, 3088-92		8
187	Virtual Averaging Making Nonframe-Averaged Optical Coherence Tomography Images Comparable to Frame-Averaged Images. *Translational Vision Science and Technology*, **2016**, 5, 1	3.3	8
186	Fetal outcome of trisomy 18 diagnosed after 22 weeks of gestation: Experience of 123 cases at a single perinatal center. *Congenital Anomalies (discontinued)*, **2016**, 56, 35-40	1.1	6
185	Longitudinal Change of Circumpapillary Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. *American Journal of Ophthalmology*, **2015**, 160, 944-952.e1	4.9	47
184	Long-term outcomes of antenatal corticosteroids treatment in very preterm infants after chorioamnionitis. *Archives of Gynecology and Obstetrics*, **2015**, 292, 1239-46	2.5	13
183	Agreement among graders on Heidelberg retina tomograph (HRT) topographic change analysis (TCA) glaucoma progression interpretation. *British Journal of Ophthalmology*, **2015**, 99, 519-23	5.5	7
182	Trabecular Meshwork Response to Pressure Elevation in the Living Human Eye. *Journal of Visualized Experiments*, **2015**, e52611	1.6	6
181	Retinal imaging with en face and cross-sectional optical coherence tomography delineates outer retinal changes in cancer-associated retinopathy secondary to Merkel cell carcinoma. *Journal of Ophthalmic Inflammation and Infection*, **2015**, 5, 53	2.3	5
180	The choroid plexus may be an underestimated site of tumor invasion to the brain: an in vitro study using neuroblastoma cell lines. *Cancer Cell International*, **2015**, 15, 102	6.4	14
179	Histogram Matching Extends Acceptable Signal Strength Range on Optical Coherence Tomography Images **2015**, 56, 3810-9		11
178	The Effects of Antenatal Corticosteroids on Short- and Long-Term Outcomes in Small-for-Gestational-Age Infants. *International Journal of Medical Sciences*, **2015**, 12, 295-300	3.7	20
177	Polarization microscopy for characterizing fiber orientation of ocular tissues. *Biomedical Optics Express*, **2015**, 6, 4705-18	3.5	59
176	Acute optic neuritis: Unmet clinical needs and model for new therapies. *Neurology: Neuroimmunology and NeuroInflammation*, **2015**, 2, e135	9.1	66

175	Premature constriction of the ductus arteriosus that presented persistent pulmonary hypertension of the newborn: case report. *Choonpa Igaku*, **2015**, 42, 725-730	0	
174	A method to estimate biomechanics and mechanical properties of optic nerve head tissues from parameters measurable using optical coherence tomography. *IEEE Transactions on Medical Imaging*, **2014**, 33, 1381-9	11.7	28
173	Intra- and inter-visit reproducibility of ganglion cell-inner plexiform layer measurements using handheld optical coherence tomography in children with optic pathway gliomas. *American Journal of Ophthalmology*, **2014**, 158, 916-23	4.9	27
172	Reproducibility of circumpapillary retinal nerve fiber layer measurements using handheld optical coherence tomography in sedated children. *American Journal of Ophthalmology*, **2014**, 158, 780-787.e1	4.9	28
171	Gold nanorods as a contrast agent for Doppler optical coherence tomography. *PLoS ONE*, **2014**, 9, e90690	3.7	22
170	Reproducibility of in-vivo OCT measured three-dimensional human lamina cribrosa microarchitecture. *PLoS ONE*, **2014**, 9, e95526	3.7	20
169	In vivo three-dimensional characterization of the healthy human lamina cribrosa with adaptive optics spectral-domain optical coherence tomography **2014**, 55, 6459-66		46
168	IOP elevation reduces Schlemm's canal cross-sectional area **2014**, 55, 1805-9		65
167	Characterisation of Schlemm's canal cross-sectional area. *British Journal of Ophthalmology*, **2014**, 98 Suppl 2, ii10-4	5.5	24
166	Repeatability of in vivo 3D lamina cribrosa microarchitecture using adaptive optics spectral domain optical coherence tomography. *Biomedical Optics Express*, **2014**, 5, 1114-23	3.5	35
165	Quantitative 3D-OCT motion correction with tilt and illumination correction, robust similarity measure and regularization. *Biomedical Optics Express*, **2014**, 5, 2591-613	3.5	128
164	Handheld optical coherence tomography during sedation in young children with optic pathway gliomas. *JAMA Ophthalmology*, **2014**, 132, 265-71	3.9	48
163	Imaging of the optic nerve and retinal nerve fiber layer: an essential part of glaucoma diagnosis and monitoring. *Survey of Ophthalmology*, **2014**, 59, 458-67	6.1	27
162	Transmigration of polymorphnuclear neutrophils and monocytes through the human blood-cerebrospinal fluid barrier after bacterial infection in vitro. *Journal of Neuroinflammation*, **2013**, 10, 31	10.1	43
161	Automated lamina cribrosa microstructural segmentation in optical coherence tomography scans of healthy and glaucomatous eyes. *Biomedical Optics Express*, **2013**, 4, 2596-608	3.5	45
160	Individual A-scan signal normalization between two spectral domain optical coherence tomography devices **2013**, 54, 3463-71		13
159	Detection of glaucoma progression by population and individual derived variability criteria. *British Journal of Ophthalmology*, **2013**, 97, 403-7	5.5	0
158	High dynamic range imaging concept-based signal enhancement method reduced the optical coherence tomography measurement variability **2013**, 54, 836-41		5

157	In vivo lamina cribrosa micro-architecture in healthy and glaucomatous eyes as assessed by optical coherence tomography **2013**, 54, 8270-4		72
156	Signal normalization reduces systematic measurement differences between spectral-domain optical coherence tomography devices **2013**, 54, 7317-22		10
155	Three-dimensional spectral-domain optical coherence tomography data analysis for glaucoma detection. *PLoS ONE*, **2013**, 8, e55476	3.7	18
154	Longitudinal modeling of glaucoma progression using 2-dimensional continuous-time hidden Markov model. *Lecture Notes in Computer Science*, **2013**, 16, 444-51	0.9	14
153	Alignment of 3-D optical coherence tomography scans to correct eye movement using a particle filtering. *IEEE Transactions on Medical Imaging*, **2012**, 31, 1337-45	11.7	21
152	Chemotaxis of T-cells after infection of human choroid plexus papilloma cells with Echovirus 30 in an in vitro model of the blood-cerebrospinal fluid barrier. *Virus Research*, **2012**, 170, 66-74	6.4	28
151	Inflammatory response to intravitreal injection of gold nanorods. *British Journal of Ophthalmology*, **2012**, 96, 1522-9	5.5	18
150	Ganglion cell loss in relation to visual disability in multiple sclerosis. *Ophthalmology*, **2012**, 119, 1250-7	7.3	217
149	Visualization of the conventional outflow pathway in the living human eye. *Ophthalmology*, **2012**, 119, 1563-8	7.3	63
148	Polar invasion and translocation of Neisseria meningitidis and Streptococcus suis in a novel human model of the blood-cerebrospinal fluid barrier. *PLoS ONE*, **2012**, 7, e30069	3.7	71
147	Evaluating objective and subjective quantitative parameters at the initial visit to predict future glaucomatous visual field progression. *Ophthalmic Surgery Lasers and Imaging Retina*, **2012**, 43, 416-24	1.4	5
146	The optic nerve head as a robust biomechanical system **2012**, 53, 2658-67		24
145	Comparison of retinal nerve fiber layer thickness measurement bias and imprecision across three spectral-domain optical coherence tomography devices **2012**, 53, 3742-7		28
144	Retinal nerve fibre layer and visual function loss in glaucoma: the tipping point. *British Journal of Ophthalmology*, **2012**, 96, 47-52	5.5	116
143	Spectral-domain optical coherence tomography as a noninvasive method to assess damaged and regenerating adult zebrafish retinas **2012**, 53, 7315		
142	Glaucoma discrimination of segmented cirrus spectral domain optical coherence tomography (SD-OCT) macular scans. *British Journal of Ophthalmology*, **2012**, 96, 1420-5	5.5	100
141	Variation in optical coherence tomography signal quality as an indicator of retinal nerve fibre layer segmentation error. *British Journal of Ophthalmology*, **2012**, 96, 514-8	5.5	16
140	Morphometric analysis of aqueous humor outflow structures with spectral-domain optical coherence tomography **2012**, 53, 5198-207		47

139	Clinical application of ocular imaging. *Optometry and Vision Science*, **2012**, 89, E543-53	2.1	6
138	Automated foveola localization in retinal 3D-OCT images using structural support vector machine prediction. *Lecture Notes in Computer Science*, **2012**, 15, 307-14	0.9	
137	3D visualization of aqueous humor outflow structures in-situ in humans. *Experimental Eye Research*, **2011**, 93, 308-15	3.7	49
136	Clinical use of OCT in assessing glaucoma progression. *Ophthalmic Surgery Lasers and Imaging Retina*, **2011**, 42 Suppl, S6-S14	1.4	26
135	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, 748-59	15.4	101
134	Optic nerve crush mice followed longitudinally with spectral domain optical coherence tomography **2011**, 52, 2250-4		32
133	Optical coherence tomography: history, current status, and laboratory work **2011**, 52, 2425-36		180
132	Computerized macular pathology diagnosis in spectral domain optical coherence tomography scans based on multiscale texture and shape features **2011**, 52, 8316-22		32
131	3D optical coherence tomography super pixel with machine classifier analysis for glaucoma detection. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 3395-8	0.9	11
130	Direct scanning of pathology specimens using spectral domain optical coherence tomography: a pilot study. *Ophthalmic Surgery Lasers and Imaging Retina*, **2010**, 41 Suppl, S58-64	1.4	17
129	Reproducibility of spectral-domain optical coherence tomography total retinal thickness measurements in mice **2010**, 51, 6519-23		45
128	Identification and assessment of Schlemm's canal by spectral-domain optical coherence tomography **2010**, 51, 4054-9		137
127	Retinal nerve fiber layer thickness measurement comparability between time domain optical coherence tomography (OCT) and spectral domain OCT **2010**, 51, 896-902		44
126	Automated volumetric evaluation of stereoscopic disc photography. *Optics Express*, **2010**, 18, 11347-59	3.3	9
125	Ultrasound biomicroscopic analysis of iris-sutured foldable posterior chamber intraocular lenses. *American Journal of Ophthalmology*, **2010**, 149, 245-252.e2	4.9	30
124	3D OCT eye movement correction based on particle filtering. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 53-6	0.9	8
123	Three dimensional optical coherence tomography imaging: advantages and advances. *Progress in Retinal and Eye Research*, **2010**, 29, 556-79	20.5	43
122	Automated macular pathology diagnosis in retinal OCT images using multi-scale spatial pyramid with local binary patterns. *Lecture Notes in Computer Science*, **2010**, 13, 1-9	0.9	4

121	Validation of spectral domain optical coherence tomographic Doppler shifts using an in vitro flow model **2009**, 50, 702-6		13
120	Scan quality effect on glaucoma discrimination by glaucoma imaging devices. *British Journal of Ophthalmology*, **2009**, 93, 1580-4	5.5	29
119	Retinal nerve fibre layer thickness measurement reproducibility improved with spectral domain optical coherence tomography. *British Journal of Ophthalmology*, **2009**, 93, 1057-63	5.5	103
118	Optical coherence tomography algorithm failure to detect nerve fibre layer defects: report of two cases. *British Journal of Ophthalmology*, **2009**, 93, 1141-2, 1185	5.5	1
117	Three-dimensional optical coherence tomography (3D-OCT) image enhancement with segmentation-free contour modeling C-mode **2009**, 50, 1344-9		17
116	Effects of age on optical coherence tomography measurements of healthy retinal nerve fiber layer, macula, and optic nerve head. *Ophthalmology*, **2009**, 116, 1119-24	7.3	152
115	Detection of macular ganglion cell loss in glaucoma by Fourier-domain optical coherence tomography. *Ophthalmology*, **2009**, 116, 2305-14.e1-2	7.3	502
114	Spectral domain optical coherence tomography for detection of foveal morphology in patients with nystagmus. *Journal of AAPOS*, **2009**, 13, 563-6	1.3	17
113	Visualization of 3-D high speed ultrahigh resolution optical coherence tomographic data identifies structures visible in 2D frames. *Optics Express*, **2009**, 17, 4208-20	3.3	10
112	Bilateral Superior Altitudinal Hemianopia due to Bilateral Occipital Lobe Infarction. *Neuro-Ophthalmology*, **2009**, 33, 264-267	0.9	1
111	3D OCT retinal vessel segmentation based on boosting learning. *IFMBE Proceedings*, **2009**, 179-182	0.2	4
110	Correcting motion artifacts in retinal spectral domain optical coherence tomography via image registration. *Lecture Notes in Computer Science*, **2009**, 12, 100-7	0.9	51
109	Assessing the relationship between central corneal thickness and retinal nerve fiber layer thickness in healthy subjects. *American Journal of Ophthalmology*, **2008**, 146, 561-6	4.9	13
108	Comparison of parameters from Heidelberg Retina Tomographs 2 and 3. *Ophthalmology*, **2008**, 115, 673-7	7.3	12
107	Improved visualization of glaucomatous retinal damage using high-speed ultrahigh-resolution optical coherence tomography. *Ophthalmology*, **2008**, 115, 782-789.e2	7.3	26
106	Heidelberg Retina Tomograph 3 machine learning classifiers for glaucoma detection. *British Journal of Ophthalmology*, **2008**, 92, 814-8	5.5	28
105	Optical coherence tomography scan circle location and mean retinal nerve fiber layer measurement variability. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 2315-21		80
104	Sources of longitudinal variability in optical coherence tomography nerve-fibre layer measurements. *British Journal of Ophthalmology*, **2008**, 92, 806-9	5.5	7

103	Automated assessment of the optic nerve head on stereo disc photographs. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 2512-7		40
102	Retinal vessel segmentation on SLO image. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2008**, 2008, 2258-61	0.9	9
101	Local quality assessment for optical coherence tomography **2008**,		3
100	Comparison of optic disc margin identified by color disc photography and high-speed ultrahigh-resolution optical coherence tomography. *JAMA Ophthalmology*, **2008**, 126, 58-64		17
99	Repeated, noninvasive, high resolution spectral domain optical coherence tomography imaging of zebrafish embryos. *Molecular Vision*, **2008**, 14, 2157-70	2.3	39
98	Hypotonous malignant glaucoma: aqueous misdirection with low intraocular pressure. *Ophthalmic Surgery Lasers and Imaging Retina*, **2008**, 39, 155-9	1.4	12
97	Ultrahigh-resolution spectral domain optical coherence tomography imaging of the lamina cribrosa. *Ophthalmic Surgery Lasers and Imaging Retina*, **2008**, 39, S126-131	1.4	47
96	Ultrasound biomicroscopic assessment of zonular appearance in exfoliation syndrome. *Acta Ophthalmologica*, **2007**, 85, 495-9		6
95	Translation histogram based hierarchical algorithm for 3-d optic nerve head modeling. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2007**, 2007, 6752-5		
94	Glaucoma detection with matrix and standard achromatic perimetry. *British Journal of Ophthalmology*, **2007**, 91, 933-8	5.5	27
93	Peripapillary nerve fiber layer thickness profile determined with high speed, ultrahigh resolution optical coherence tomography high-density scanning. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3154-60		64
92	Spectral oximetry assessed with high-speed ultra-high-resolution optical coherence tomography. *Journal of Biomedical Optics*, **2007**, 12, 041212	3.5	48
91	Anterior segment imaging for glaucoma: OCT or UBM?. *British Journal of Ophthalmology*, **2007**, 91, 1420-5	3.5	20
90	Optical coherence tomography and histologic measurements of nerve fiber layer thickness in normal and glaucomatous monkey eyes. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3645-54		59
89	In vivo corneal high-speed, ultra high-resolution optical coherence tomography. *JAMA Ophthalmology*, **2007**, 125, 1027-35		62
88	Comparison of visual field defects using matrix perimetry and standard achromatic perimetry. *Ophthalmology*, **2007**, 114, 480-7	7.3	30
87	Glaucoma detection with the Heidelberg retina tomograph 3. *Ophthalmology*, **2007**, 114, 466-71	7.3	64
86	Peripapillary schisis in glaucoma patients with narrow angles and increased intraocular pressure. *American Journal of Ophthalmology*, **2007**, 143, 697-9	4.9	43

85	Ultrahigh resolution optical coherence tomography in non-exudative age related macular degeneration. *British Journal of Ophthalmology*, **2006**, 90, 191-7	5.5	70
84	A new quality assessment parameter for optical coherence tomography. *British Journal of Ophthalmology*, **2006**, 90, 186-90	5.5	64
83	Magnetic Resonance Imaging Findings in Divergence Paralysis. *Neuro-Ophthalmology*, **2006**, 30, 59-62	0.9	7
82	Persistence of Cloquet's canal in normal healthy eyes. *American Journal of Ophthalmology*, **2006**, 142, 862-4	4.9	12
81	Effect of corneal drying on optical coherence tomography. *Ophthalmology*, **2006**, 113, 985-991	7.3	71
80	Retinal nerve fiber layer assessment using optical coherence tomography with active optic nerve head tracking. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 964-7		23
79	QUANTIFICATION OF PHOTORECEPTOR LAYER THICKNESS IN NORMAL EYES USING OPTICAL COHERENCE TOMOGRAPHY. *Retina*, **2006**, 26, 655-660	3.6	19
78	Quantification of photoreceptor layer thickness in normal eyes using optical coherence tomography. *Retina*, **2006**, 26, 655-60	3.6	40
77	Establishment and characterization of a human malignant choroids plexus papilloma cell line (HIBCPP). *Human Cell*, **2005**, 18, 67-72	4.5	39
76	Advanced scanning methods with tracking optical coherence tomography. *Optics Express*, **2005**, 13, 7937-47	3.5	38
75	Ultrahigh-resolution optical coherence tomography in glaucoma. *Ophthalmology*, **2005**, 112, 229-37	7.3	69
74	Comparison of ultrahigh- and standard-resolution optical coherence tomography for imaging macular pathology. *Ophthalmology*, **2005**, 112, 1922.e1-15	7.3	146
73	Comparison of three optical coherence tomography scanning areas for detection of glaucomatous damage. *American Journal of Ophthalmology*, **2005**, 139, 39-43	4.9	201
72	Macular segmentation with optical coherence tomography. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2012-7		397
71	Three-dimensional retinal maps with tracking optical coherence tomography (TOCT) **2005**, 5690, 66		
70	Optical coherence tomography machine learning classifiers for glaucoma detection: a preliminary study. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 4147-52		141
69	Active retinal tracker for clinical optical coherence tomography systems. *Journal of Biomedical Optics*, **2005**, 10, 024038	3.5	32
68	Optical coherence tomography longitudinal evaluation of retinal nerve fiber layer thickness in glaucoma. *JAMA Ophthalmology*, **2005**, 123, 464-70		277

67	Optic Tract Syndrome, Horner's Syndrome, and Trochlear Nerve Palsy due to Suprasellar Germinoma. *Neuro-Ophthalmology*, **2005**, 29, 129-132	0.9	1
66	CASE REPORT Homonymous Hemianopia Due to Cerebral Infarction of the Lateral Geniculate Body. *Neuro-Ophthalmology*, **2005**, 29, 43-47	0.9	5
65	Isolated Bilateral Abducens Nerve Palsies Due to Metastasis to the Clivus from Adenocarcinoma in the Lung. *Neuro-Ophthalmology*, **2005**, 29, 73-76	0.9	2
64	Reproducibility of nerve fiber thickness, macular thickness, and optic nerve head measurements using StratusOCT. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 1716-24		470
63	Malignant lymphoma in the cavernous sinus with bilateral total ophthalmoplegia and tonic pupils. *Neuro-Ophthalmology*, **2004**, 28, 237-243	0.9	2
62	Optical coherence tomography (OCT) macular and peripapillary retinal nerve fiber layer measurements and automated visual fields. *American Journal of Ophthalmology*, **2004**, 138, 218-25	4.9	167
61	Anterior segment imaging: ultrasound biomicroscopy. *Ophthalmology Clinics of North America*, **2004** , 17, 7-20		69
60	Acute Conformational Changes in the Optic Nerve Head With Rapid Intraocular Pressure Elevation: Implications for LASIK Surgery. *Ophthalmic Surgery Lasers and Imaging Retina*, **2003**, 34, 334-341	1.4	15
59	A New Silicone Eyecup for Ultrasound Biomicroscopy. *Ophthalmic Surgery Lasers and Imaging Retina* , **2003**, 34, 73-75	1.4	2
58	Detecting the inner and outer borders of the retinal nerve fiber layer using optical coherence tomography. *Graefejs Archive for Clinical and Experimental Ophthalmology*, **2002**, 240, 362-71	3.8	30
57	The efficacy of latanoprost is independent of the width of the ciliary body face. *Journal of Glaucoma*, **2002**, 11, 239-43	2.1	6
56	Ultrasound biomicroscopy in uveitis-glaucoma-hyphema syndrome. *American Journal of Ophthalmology*, **2002**, 133, 839-41	4.9	48
55	Assessment of optic disc anatomy and nerve fiber layer thickness in ocular hypertensive subjects with normal short-wavelength automated perimetry. *Ophthalmology*, **2002**, 109, 1362-6	7.3	13
54	Ultrasound biomicroscopic diagnosis of cyclitic membranes. *American Journal of Ophthalmology*, **2001**, 131, 446-50	4.9	6
53	Glaucoma drainage tube kink after pars plana insertion. *American Journal of Ophthalmology*, **2001**, 132, 413-4	4.9	13
52	Ultrasound biomicroscopy before and after goniosynechialysis. *American Journal of Ophthalmology*, **2001**, 132, 570-1	4.9	14
51	Regulation of pituitary growth hormone-secretagogue and growth hormone-releasing hormone receptor RNA expression in young Dwarf rats. *Endocrine Journal*, **2000**, 47 Suppl, S53-6	2.9	10
50	Optical coherence tomography and scanning laser polarimetry in normal, ocular hypertensive, and glaucomatous eyes. *American Journal of Ophthalmology*, **2000**, 129, 129-35	4.9	190

49	Scanning laser polarimetry measurements after laser-assisted in situ keratomileusis. *American Journal of Ophthalmology*, **2000**, 129, 461-4	4.9	89
48	A Technique for Performing Ultrasound Biomicroscopy in the Sitting and Prone Positions. *Ophthalmic Surgery Lasers and Imaging Retina*, **2000**, 31, 166-169	1.4	11
47	Grayscale and Proportion-Corrected Optical Coherence Tomography Images. *Ophthalmic Surgery Lasers and Imaging Retina*, **2000**, 31, 223-228	1.4	22
46	Inadvertent Corneal Indentation Can Cause Artifactitious Widening of the Iridocorneal Angle on Ultrasound Biomicroscopy. *Ophthalmic Surgery Lasers and Imaging Retina*, **2000**, 31, 342-345	1.4	38
45	Quantitative assessment of the anterior segment using ultrasound biomicroscopy. *Current Opinion in Ophthalmology*, **2000**, 11, 133-9	5.1	106
44	Fragile histidine triad transcription abnormalities and human papillomavirus E6E7 mRNA expression in the development of cervical carcinoma. *Cancer*, **1999**, 85, 2001-2010	6.4	12
43	A uniform format for ocular imaging devices. *Telemedicine and E-Health*, **1999**, 5, 317-22		1
42	Ultrasound biomicroscopy dark room provocative testing: a quantitative method for estimating anterior chamber angle width. *Japanese Journal of Ophthalmology*, **1999**, 43, 526-34	2.6	54
41	Fragile histidine triad transcription abnormalities and human papillomavirus E6E7 mRNA expression in the development of cervical carcinoma **1999**, 85, 2001-2010		2
40	Heidelberg retina tomography and optical coherence tomography in normal, ocular-hypertensive, and glaucomatous eyes. *Ophthalmology*, **1999**, 106, 2027-32	7.3	123
39	Differential diagnosis of anterior segment cysts by ultrasound biomicroscopy. *Ophthalmology*, **1999** , 106, 2131-5	7.3	67
38	Effect of Pupillary Dilation on Retinal Nerve Fiber Layer Thickness as Measured by Scanning Laser Polarimetry in Eyes with and without Cataract. *Journal of Glaucoma*, **1999**, 8, 159???166	2.1	19
37	Increasing Sampling Density Improves Reproducibility of Optical Coherence Tomography Measurements. *Journal of Glaucoma*, **1999**, 8, 238???241	2.1	31
36	Factors Affecting Image Acquisition During Scanning Laser Polarimetry: AuthorsSResponse. *Ophthalmic Surgery Lasers and Imaging Retina*, **1999**, 30, 411-412	1.4	2
35	Simultaneous observation of capillary nets and tenascin in intestinal villi. *The Anatomical Record*, **1998**, 250, 488-92		10
34	Ultrasound biomicroscopic localization and evaluation of intraocular foreign bodies. *Acta Ophthalmologica*, **1998**, 76, 491-5		15
33	Peripapillary Nerve Fiber Layer Thickness Measurement Reproducibility Using Scanning Laser Polarimetry. *Journal of Glaucoma*, **1998**, 7, 12???15	2.1	55
32	Pericardial Patch Grafts in Glaucoma Implant Surgery. *Journal of Glaucoma*, **1998**, 7, 27???32	2.1	56

31	Factors Affecting Image Acquisition During Scanning Laser Polarimetry. *Ophthalmic Surgery Lasers and Imaging Retina*, **1998**, 29, 545-551	1.4	46
30	Possible involvement of RGD (Arg-Gly-Asp)-containing extracellular matrix proteins in rat growth plate chondrocyte differentiation in culture. *Journal of Bone and Mineral Research*, **1996**, 11, 1430-7	6.3	14
29	ALTERATION IN FIBRONECTIN SYNTHESIS DURING RAT GROWTH PLATE CHONDROCYTE DIFFERENTIATION IN CULTURE . *Biomedical Research*, **1996**, 17, 297-303	1.5	
28	The fine structure of dexamethasone-induced growth hormone cells in the anterior pituitary gland of the rat fetus. *Archives of Histology and Cytology*, **1995**, 58, 581-9		2
27	An antibody-tumor model for the targeting of CA125-producing gynecologic malignancies. *Japanese Journal of Cancer Research*, **1990**, 81, 1141-8		7
26	Cerebral disorders: Bilateral occipital infarction.. *Japanese Orthoptic Journal*, **1989**, 17, 206-211	0	
25	Cytological properties of human ovarian carcinoma cell lines. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1987**, 13, 79-86		3
24	Appearance of the cyst- or ductule-like structures and their role in the restoration of the rat pituitary autograft. *The Anatomical Record*, **1987**, 217, 371-8		23
23	CA125 production by gynecologic tumors in vitro and its modulation induced by dibutyl cyclic adenosine monophosphate. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1986**, 12, 285-90		6
22	Biological characteristics of cultured endometrial adenocarcinoma cells and changes in their characteristics following serial passage. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1986**, 12, 433-42		5
21	The oculomotor nerve in the cavernous sinus and orbit. *Orbit*, **1986**, 5, 91-95	1.5	2
20	Estimation of Rhodamine 123 as a Marker of Heat Sensitivity. *Thermal Medicine(Japanese Journal of Hyperthermic Oncology)*, **1986**, 2, 395-405		
19	Cellular hypersensitivity to human pancreatic B-cell clone in diabetes mellitus and its relationship to the presence of islet cell antibodies. *Endocrinologia Japonica*, **1985**, 32, 497-504		2
18	Effects of estradiol-17 beta and progesterone on cell proliferation and differentiation of the human endometrial carcinoma cell line (HHUA) in vitro. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1984**, 10, 531-8		2
17	Increased acidophils of the hypophysis in liver cirrhosis. *Pathology International*, **1984**, 34, 67-75	1.8	2
16	Effects of sex-steroid hormones on growth and hormone receptor levels of human uterine leiomyosarcoma cells in vitro. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1983**, 9, 207-15		
15	Long-term culture of human ovarian theca cell tumor, an estrogen-producing tumor. *Asia-Oceania Journal of Obstetrics and Gynaecology*, **1983**, 9, 465-71		
14	Single secretory granules contain both GH and prolactin in pituitary mixed type of adenoma. *Virchows Archiv A, Pathological Anatomy and Histology*, **1983**, 399, 221-6		19

13	Novel clonal strains from adult rat anterior pituitary producing S-100 protein. *Nature*, **1983**, 303, 711-3	50.4	111
12	The Histopathological Study of Halothane Induced Liver Injury in Rats. *Juntendo Igaku*, **1981**, 27, 133-146		
11	Life stage and secretory cycle of anterior pituitary basophils. *Endocrinologia Japonica*, **1974**, 21, 217-49		7
10	Morphological and functional differentiation of isolated parafollicular and follicular epithelial cells of the rat thyroids during culture. *Endocrinologia Japonica*, **1972**, 19, 151-61		4
9	ACTH synthesizing and releasing activities of adenohypophyseal acidophils differentiating from the isolated chromophobes in a chemically defined medium supplemented with CRF. *Endocrinologia Japonica*, **1972**, 19, 237-49		3
8	Separation of the two different sizes of storage granules with GH or ACTH activity from the pellets of acidophils isolated from rat anterior pituitaries. *Endocrinologia Japonica*, **1972**, 19, 215-23		2
7	ACTH, GH, prolactin, and -MSH activities of six kinds of cells isolated from the rat adenohypophysis. *Endocrinologia Japonica*, **1971**, 18, 223-6		1
6	ACTH secretion from the pituitary transplanted in apposition with the adrenal cortex under the renal capsule. *Endocrinologia Japonica*, **1969**, 16, 331-49		2
5	Isolation of different types of anterior pituitary cells in rats. *Endocrinologia Japonica*, **1969**, 16, 517-29		17
4	Differentiation of isolated chromophobes into acidophils or basophils when transplanted into the hypophysiotrophic area of hypothalamus. *Endocrinologia Japonica*, **1969**, 16, 531-40		33
3	Identification of the thyrotrophs with the gonadotrophs in the anterior pituitaries of thyroidectomized rats. *Endocrinologia Japonica*, **1969**, 16, 69-85		2
2	Histological and histometrical studies on the adeno-hypophyseal cells in castrated male rats, with special emphasis on a contradiction of classifying the gona- dotroph and the thyrotroph. *Endocrinologia Japonica*, **1968**, 15, 457-79		6
1	A histometrical procedure to estimate the number of cells in the adenohypophysis. *Endocrinologia Japonica*, **1967**, 14, 118-33		3