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Optical coherence tomography--current and future applicati

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#	Paper	IF	Citations
385	OCT in the Management of Diabetic Macular Edema. <b>2013</b> , 1, 128-133		5
384	Automatic analysis of selected choroidal diseases in OCT images of the eye fundus. <b>2013</b> , 12, 117		21
383	Final results of the Chronic Total Occlusion Crossing With the Ocelot System II (CONNECT II) study. <b>2013</b> , 20, 770-81		32
382	Advances in optical adjunctive AIDS for visualisation and detection of oral malignant and potentially malignant lesions. <b>2013</b> , 2013, 194029		49
381	Spectral-domain optical coherence tomography of the rodent eye: highlighting layers of the outer retina using signal averaging and comparison with histology. <b>2014</b> , 9, e96494		69
380	Imaging in retina units: changes observed during the last 12 years. <b>2014</b> , 24, 216-20		0
379	Clinical application of optical coherence tomography in combination with functional diagnostics: advantages and limitations for diagnosis and assessment of therapy outcome in central serous chorioretinopathy. <b>2014</b> , 8, 2337-45		5
378	Redesigning services for the management of vitreomacular traction and macular hole. <b>2014</b> , 28 Suppl 1, S1-10		9
377	Real-time acquisition and display of flow contrast using speckle variance optical coherence tomography in a graphics processing unit. <b>2014</b> , 19, 026001		41
376	Neovascular Age-Related Macular Degeneration. <b>2014</b> , 89-99		
375	Optical coherence tomography technologies: which machine do you want to own?. <b>2014</b> , 34 Suppl, S3-9		10
374	Multimodal imaging findings in retinal deep capillary ischemia. <b>2014</b> , 34, 636-46		55
373	Paracentral acute middle maculopathy spectral-domain optical coherence tomography feature of deep capillary ischemia. <i>Current Opinion in Ophthalmology</i> , <b>2014</b> , 25, 207-12	5.1	71
372	Optical coherence tomography in the diagnosis and management of uveitis. <b>2014</b> , 49, 18-29		14
371	Tomographic comparison of cone-rod and rod-cone retinal dystrophies. <b>2014</b> , 252, 1065-9		9
370	Assessment of early occlusal caries pre- and post-sealant application--an imaging approach. <b>2014</b> , 46, 499-507		14
369	Rapid light-induced activation of retinal microglia in mice lacking Arrestin-1. <b>2014</b> , 102, 71-9		25

368	Progression of early retinal dysfunction in diabetes over time: results of a long-term prospective clinical study. <b>2014</b> , 63, 3104-11	19
367	Reduction in retinal nerve fiber layer thickness in young adults with autism spectrum disorders. <b>2014</b> , 44, 873-82	13
366	Non-invasive assessment of retinal alterations in mouse models of infantile and juvenile neuronal ceroid lipofuscinosis by spectral domain optical coherence tomography. <b>2014</b> , 2, 54	28
365	Evaluation of choroidal thickness in ankylosing spondylitis using optical coherence tomography. <b>2014</b> , 22, 434-8	31
364	Choroidal imaging: A review. <b>2014</b> , 28, 123-8	34
363	Optical Coherence Tomography. <b>2014</b> , 3859-3889	
362	Update on choroidal vascular imaging using optical coherence tomography. <b>2014</b> , 9, 297-304	
361	Macular thickness measurement in clinically significant macular edema before and after meal. <b>2015</b> , 27, 125-8	7
360	Spectral estimation optical coherence tomography for axial super-resolution. <b>2015</b> , 23, 26521-32	18
359	Optical coherence tomography (OCT) for detection of macular oedema in patients with diabetic retinopathy. <b>2015</b> , 1, CD008081	66
358	WIDE-FIELD SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY. <b>2015</b> , 35, 2584-92	12
357	RefMoB, a Reflectivity Feature Model-Based Automated Method for Measuring Four Outer Retinal Hyperreflective Bands in Optical Coherence Tomography. <b>2015</b> , 56, 4166-76	21
356	Tapping Stem Cells to Target AMD: Challenges and Prospects. <b>2015</b> , 4, 282-303	15
355	Effect of grid decentration on macular thickness measurements in normal subjects and patients with diabetic macular edema. <b>2015</b> , 25, 218-21	7
354	Choroidal and peripapillary retinal nerve fiber layer thickness in adults with anisometropic amblyopia. <b>2015</b> , 25, 437-42	21
353	Future technological advances in optical coherence tomography. 209-217	
352	A review of current management of vitreomacular traction and macular hole. <b>2015</b> , 2015, 809640	34
351	Structural changes of the choroid in sarcoid- and tuberculosis-related granulomatous uveitis. <b>2015</b> , 29, 1060-8	39

350	Fundamentals of Optical Coherence Tomography: Image Acquisition and Interpretation. <b>2015</b> , 4, 225-237		3
349	Wide-field spectral domain-optical coherence tomography in central serous chorioretinopathy. <b>2015</b> , 35, 167-71		25
348	Macular and peripapillary retinal nerve fibre layer thickness in patients with cyanotic congenital heart disease. <b>2015</b> , 29, 465-8		6
347	Quantitative analysis of retinal layers' optical intensities on 3D optical coherence tomography for central retinal artery occlusion. <i>Scientific Reports</i> , <b>2015</b> , 5, 9269	4.9	38
346	Choroidal physiology and primary angle closure disease. <i>Survey of Ophthalmology</i> , <b>2015</b> , 60, 547-56	6.1	18
345	Objective assessment of symptomatic vitreous floaters using optical coherence tomography: a case report. <i>BMC Ophthalmology</i> , <b>2015</b> , 15, 22	2.3	5
344	Welcome to. <b>2015</b> , 1, 3		
343	Numerical simulation validation of nonuniform, nonharmonic analysis of spectral-domain optical coherence tomography. <b>2015</b> , 54, 033108		3
342	Retinal angiography with real-time speckle variance optical coherence tomography. <b>2015</b> , 99, 1315-9		29
341	Blood flow velocity vector field reconstruction from dual-beam bidirectional Doppler OCT measurements in retinal veins. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 1599-615	3.5	8
340	Assessment of Choroidal Topographic Changes by Swept-Source Optical Coherence Tomography After Intravitreal Ranibizumab for Exudative Age-Related Macular Degeneration. <b>2015</b> , 160, 1006-13		28
339	Pharmacologic therapy for diabetic retinopathy. <b>2015</b> , 30, 252-63		11
338	Light-Induced Thickening of Photoreceptor Outer Segment Layer Detected by Ultra-High Resolution OCT Imaging. <b>2016</b> , 57, OCT105-11		37
337	Relationship between macular thickness measurement and signal strength using Stratus optical coherence tomography. <b>2016</b> , 10, 2259-2264		3
336	Quantitative Analysis of Outer Retinal Tubulation in Age-Related Macular Degeneration From Spectral-Domain Optical Coherence Tomography and Histology. <b>2016</b> , 57, 2647-56		24
335	CHOROIDAL THICKNESS IN PATIENTS WITH CENTRAL SEROUS CHORIORETINOPATHY: Assessment of Haller and Sattler Layers. <b>2016</b> , 36, 1652-7		51
334	Pseudofovea on Optical Coherence Tomography: An Unusual Appearance. <b>2016</b> , 36, e7-8		
333	Optical Coherence Tomography Imaging for Glaucoma - Today and Tomorrow. <b>2016</b> , 5, 11-6		8

332	Ellipsoid zone on optical coherence tomography: a review. <b>2016</b> , 44, 422-30	45
331	Secondary Epiretinal Membrane After Trabeculectomy. <b>2016</b> , 25, e576-80	3
330	Use of a new intra-ocular spectral domain optical coherence tomography in vitreoretinal surgery. <b>2016</b> , 94, 246-52	9
329	Comparison of swept-source and enhanced depth imaging spectral-domain optical coherence tomography in quantitative characterisation of the optic nerve head. <b>2017</b> , 101, 299-304	10
328	Revealing the cellular metabolism and microstructural changes in vivo in senescing <i>Acer saccharum</i> leaves using two-photon FLIM and full-field OCM. <b>2016</b> ,	
327	The application of optical coherence tomography in neurologic diseases. <b>2016</b> , 6, 9-10	2
326	OCT and Compressive Optic Neuropathy. <b>2016</b> , 69-86	
325	Ex-vivo-examination of ultrastructural changes in organotypic retina culture using near-infrared imaging and optical coherence tomography. <b>2016</b> , 147, 31-36	8
324	Retinal nerve fiber layer thickness in amnesic mild cognitive impairment: Case-control study and meta-analysis. <b>2016</b> , 4, 85-93	36
323	Expected effect of retinal thickness after focal photocoagulation in diabetic macular oedema. <b>2016</b> , 84, 356-362	0
322	High resolution corneal and single pulse imaging with line field spectral domain optical coherence tomography. <b>2016</b> , 24, 12395-405	20
321	Variability in Spectral-Domain Optical Coherence Tomography over 4 Weeks by Age. <b>2016</b> , 23, 193-201	1
320	The appearance of newly identified intraocular lesions in Gaucher disease type 3 despite long-term glucocerebrosidase replacement therapy. <b>2016</b> , 121, 192-5	10
319	Optimized phase gradient measurements and phase-amplitude interplay in optical coherence elastography. <b>2016</b> , 21, 116005	40
318	Retinal Vessel Caliber Measurement Using MultiColor and Infrared Confocal Scanning Laser Ophthalmoscopy Fundus Images. <b>2016</b> , 56, 67-83	7
317	Using optical coherence tomography to assess the role of age and region in corneal epithelium and palisades of vogt. <b>2016</b> , 95, e4234	10
316	Comparison of intravitreal aflibercept and ranibizumab injections on subfoveal and peripapillary choroidal thickness in eyes with neovascular age-related macular degeneration. <b>2016</b> , 254, 1693-702	25
315	Optical coherence tomography angiography: a non-invasive tool to image end-arterial system. <b>2016</b> , 13, 519-21	34

314	An Updated Review of Methods and Advancements in Microvascular Blood Flow Imaging. <b>2016</b> , 23, 345-63	15
313	En face mode of swept-source optical coherence tomography in circumscribed choroidal haemangioma. <b>2016</b> , 100, 360-4	17
312	Automated detection of inflammatory cells in whole anterior chamber of a uveitis mouse from swept-source optical coherence tomography images. <b>2016</b> ,	
311	Development and clinical translation of OTIS: a wide-field OCT imaging device for ex-vivo tissue characterization. <b>2016</b> ,	
310	Treatment Patterns and Health Care Costs for Age-Related Macular Degeneration in Japan: An Analysis of National Insurance Claims Data. <b>2016</b> , 123, 1263-8	19
309	[Expected effect of retinal thickness after focal photocoagulation in diabetic macular oedema]. <b>2016</b> , 84, 356-62	
308	Investigating the choriocapillaris and choroidal vasculature with new optical coherence tomography technologies. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 52, 130-55	20.5 170
307	The eyes of children with celiac disease. <b>2017</b> , 21, 48-51	9
306	En Face Optical Coherence Tomography Analysis to Assess the Spectrum of Perivenular Ischemia and Paracentral Acute Middle Maculopathy in Retinal Vein Occlusion. <b>2017</b> , 177, 131-138	56
305	Gold nanoparticle-mediated photothermal therapy: applications and opportunities for multimodal cancer treatment. <b>2017</b> , 9, e1449	364
304	Evaluation of the effects on choroidal thickness of bimatoprost 0.03% versus a brinzolamide 1.0%/timolol maleate 0.5% fixed combination. <b>2017</b> , 36, 397-403	6
303	Discriminating hidden bruises in loquat by attenuation coefficients estimated from optical coherence tomography images. <b>2017</b> , 130, 1-6	10
302	Drusen Ooze: A Novel Hypothesis in Geographic Atrophy. <b>2017</b> , 1, 461-473	9
301	Repeatability of swept-source optical coherence tomography retinal and choroidal thickness measurements in neovascular age-related macular degeneration. <b>2017</b> , 101, 603-608	7
300	Choroidal Tumors. <b>2017</b> , 307-348	
299	Recognizing age-related macular degeneration in primary care. <b>2017</b> , 30, 18-22	0
298	Safety of anterior chamber paracentesis using a 30-gauge needle integrated with a specially designed disposable pipette. <b>2017</b> , 101, 548-550	17
297	Longitudinal Analysis of Mouse SDOCT Volumes. <b>2017</b> , 10137,	

296	Spectral Domain Optical Coherence Tomography: An In Vivo Imaging Protocol for Assessing Retinal Morphology in Adult Zebrafish. <b>2017</b> , 14, 118-125		8
295	Contrast enhancement of spectral domain optical coherence tomography using spectrum correction. <b>2017</b> , 89, 505-511		2
294	Optical coherence tomography identifies outer retina thinning in frontotemporal degeneration. <b>2017</b> , 89, 1604-1611		23
293	Diagnostic Procedures. <b>2017</b> , 87-220		7
292	Transdermal delivery of gentamicin using dissolving microneedle arrays for potential treatment of neonatal sepsis. <b>2017</b> , 265, 30-40		97
291	Methodology for Image-driven High-resolution Additive Manufacturing Using Discretized Data Set. <b>2017</b> , 65, 139-144		
290	Axial resolution and signal-to-noise ratio in deep-tissue imaging with 1.7- $\mu\text{m}$ high-resolution optical coherence tomography with an ultrabroadband laser source. <b>2017</b> , 22, 85002		6
289	Automatic detection and recognition of multiple macular lesions in retinal optical coherence tomography images with multi-instance multilabel learning. <b>2017</b> , 22, 66014		6
288	Development of a low-cost, 11 $\mu\text{m}$ spectral domain optical coherence tomography surface profilometry prototype. <b>2017</b> ,		
287	Sequential Chorioretinal Changes in Presumed Ocular Histoplasmosis Syndrome Analyzed Using Spectral Domain Optical Coherence Tomography. <b>2017</b> , 25, 545-553		4
286	Contrast enhancement of spectral domain optical coherence tomography using spectrum correction. <b>2017</b> ,		1
285	Retinal microvasculature alteration in central serous chorioretinopathy. <b>2018</b> , 17, 2335-2340		8
284	Automatic detection of the foveal center in optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 5160-5178	3-5	16
283	Retinal oximetry in humans using visible-light optical coherence tomography [Invited]. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1415-1429	3-5	39
282	Dental Applications of Optical Coherence Tomography (OCT) in Cariology. <b>2017</b> , 7, 472		37
281	Structure versus function: correlation between outer retinal and choroidal thicknesses measured by swept-source OCT with multifocal electroretinography and visual acuity. <b>2017</b> , 3, 29		3
280	Improved accuracy in periodontal pocket depth measurement using optical coherence tomography. <b>2017</b> , 47, 13-19		13
279	Choroidal Imaging in Dry Age-Related Macular Degeneration. <b>2017</b> , 73-88		0

278	Quantitative evaluation of early retinal changes in children with type 1 diabetes mellitus without retinopathy. <b>2018</b> , 101, 680-685		17
277	Clinical and imaging findings of pattern dystrophy subtypes; Diagnostic errors and unnecessary treatment in clinical practice. <b>2018</b> , 41, 21-29		11
276	Analysis of Agreement of Retinal-Layer Thickness Measures Derived from the Segmentation of Horizontal and Vertical Spectralis OCT Macular Scans. <b>2018</b> , 43, 415-423		10
275	Improvement of the sensitivity in velocity sensing using dynamic speckles. <b>2018</b> , 25, 56-64		2
274	Noninvasive diagnostic adjuncts for the evaluation of potentially premalignant oral epithelial lesions: current limitations and future directions. <b>2018</b> , 125, 670-681		38
273	New aspect for systemic effects of COPD: eye findings. <b>2018</b> , 12, 247-252		18
272	Structural neurodegeneration correlates with early diabetic retinopathy. <b>2018</b> , 38, 1621-1626		9
271	as-PSOCT: Volumetric microscopic imaging of human brain architecture and connectivity. <b>2018</b> , 165, 56-68		26
270	Analysis of choroidal thickness in ocular hypertensive patients using enhanced depth imaging optical coherence tomography. <b>2018</b> , 33, 111-121		3
269	Optical coherence tomography as a marker of vision in children with optic pathway gliomas. <b>2018</b> , 34, 51-60		9
268	OPTICAL COHERENCE TOMOGRAPHY AND HISTOLOGY OF AGE-RELATED MACULAR DEGENERATION SUPPORT MITOCHONDRIA AS REFLECTIVITY SOURCES. <b>2018</b> , 38, 445-461		47
267	Outcome After Crossing Femoropopliteal Chronic Total Occlusions Based on Optical Coherence Tomography Guidance. <b>2018</b> , 52, 27-33		3
266	Fourier phase based depth-resolved nanoscale nuclear architecture mapping for cancer detection. <b>2018</b> , 136, 134-151		3
265	Application of Optical Coherence Tomography in the Detection and Classification of Cognitive Decline. <i>Journal of Current Glaucoma Practice</i> , <b>2018</b> , 12, 10-18	1.1	11
264	Automatic segmentation of OCT retinal boundaries using recurrent neural networks and graph search. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 5759-5777	3.5	55
263	What Does Optical Coherence Tomography Offer for Evaluating Physical Disability in Patients with Multiple Sclerosis?. <b>2018</b> , 55, S37-S40		1
262	Spectroscopic Optical Coherence Tomography by Using Multiple Multipole Expansion. <b>2018</b> , 5, 44		
261	Retinal Vasculature Identification and Characterization Using OCT Imaging. <b>2018</b> ,		1



260	Clinically Relevant Outcome Measures for the I307N Rhodopsin Mouse: A Model of Inducible Autosomal Dominant Retinitis Pigmentosa. <b>2018</b> , 59, 5417-5430		9
259	Deep Learning-Based Automated Classification of Multi-Categorical Abnormalities From Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 41	3-3	64
258	Evaluation of systemic risk factors in different optical coherence tomographic patterns of diabetic macular edema. <b>2018</b> , 11, 1204-1209		7
257	Latest Clinical Approaches in the Ocular Management of Cystinosis: A Review of Current Practice and Opinion from the Ophthalmology Cystinosis Forum. <b>2018</b> , 7, 307-322		14
256	The role of optical coherence tomography and infrared oculography in assessing the visual pathway and CNS in multiple sclerosis. <b>2018</b> , 8, 323-335		2
255	Non-Destructive Classification of Diversely Stained Seed Specimens of Different Cultivars Using Near-Infrared Imaging Based Optical Intensity Detection. <b>2018</b> , 18,		7
254	Choroid and Retinal Nerve Fiber Layer Thickness in Patients with Chronic Obstructive Pulmonary Disease Exacerbation. <b>2018</b> , 2018, 1201976		2
253	Age-related Macular Degeneration detection using deep convolutional neural network. <b>2018</b> , 87, 127-135		64
252	Topical Chemotherapy and the Evolving Role of the Biopsy for Ocular Surface Squamous Neoplasia. <b>2018</b> , 3, 115-137		
251	Looking into the eye of patients with chronic obstructive pulmonary disease: an opportunity for better microvascular profiling of these complex patients. <b>2018</b> , 96, 539-549		7
250	Optical Coherence Tomography of the Tympanic Membrane and Middle Ear: A Review. <b>2018</b> , 159, 424-438		26
249	Assessment of Global and Local Alterations in Retinal Layer Thickness in Ins2 (Akita) Diabetic Mice by Spectral Domain Optical Coherence Tomography. <b>2018</b> , 2018, 7253498		2
248	Characterization of Retinal Lesions of Diabetic Retinopathy Using Adaptive Optics Scanning Laser Ophthalmoscopy. <b>2018</b> , 2018, 7492946		8
247	Design and implementation of a low-cost, portable OCT system. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 123231243		56
246	Digital refocusing in optical coherence tomography using finite impulse response filters. <b>2018</b> , 15, 095601		3
245	Artificial intelligence in retina. <i>Progress in Retinal and Eye Research</i> , <b>2018</b> , 67, 1-29	20.5	250
244	Deep imaging in highly scattering media by combining reflection matrix measurement with Bessel-like beam based optical coherence tomography. <b>2018</b> , 113, 011106		8
243	Optical coherence tomography-based angiography device with real-time angiography B-scans visualization and hand-held probe for everyday clinical use. <b>2018</b> , 11, e201700292		30

242	A noninvasive imaging and measurement using optical coherence tomography angiography for the assessment of gingiva: An in vivo study. <b>2018</b> , 11, e201800242			13
241	Gold nanoparticles in ophthalmology. <b>2019</b> , 39, 302-327			39
240	Trends in Retina Specialist Imaging Utilization from 2012 to 2016 in the United States Medicare Fee-for-Service Population. <b>2019</b> , 208, 12-18			6
239	Lamellar macular holes: monitoring and management strategies. <b>2019</b> , 13, 1173-1182			3
238	First Clinical Application of Low-Cost OCT. <i>Translational Vision Science and Technology</i> , <b>2019</b> , 8, 61	3.3		21
237	Enhanced Grid-Based Visual Analysis of Retinal Layer Thickness with Optical Coherence Tomography. <b>2019</b> , 10, 266			3
236	A Deep Learning Approach to Denoise Optical Coherence Tomography Images of the Optic Nerve Head. <i>Scientific Reports</i> , <b>2019</b> , 9, 14454	4.9		46
235	Analysis of Hyperreflective Dots Within the Central Fovea in Healthy Eyes Using En Face Optical Coherence Tomography. <b>2019</b> , 60, 4451-4461			2
234	Speckle Reduction in Optical Coherence Tomography via Super-Resolution Reconstruction. <b>2019</b> , 2019, 5589-5592			2
233	Traumatic optic neuropathy-associated progressive thinning of the retinal nerve fiber layer and ganglion cell complex: two case reports. <i>BMC Ophthalmology</i> , <b>2019</b> , 19, 216	2.3		3
232	Two-dimensional simulation of optical coherence tomography images. <i>Scientific Reports</i> , <b>2019</b> , 9, 12189	4.9		4
231	Identifying Diabetic Retinopathy from OCT Images using Deep Transfer Learning with Artificial Neural Networks. <b>2019</b> ,			8
230	Intraoperative OCT Findings May Predict Postoperative Visual Outcome in Eyes with Idiopathic Macular Hole. <b>2019</b> , 3, 962-970			5
229	Cholinergic nervous system and glaucoma: From basic science to clinical applications. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 72, 100767	20.5		45
228	"For Mass Eye and Ear Special Issue" Adaptive Optics in the Evaluation of Diabetic Retinopathy. <b>2019</b> , 34, 189-197			1
227	Optical Coherence Tomography Findings in Pre-Eclampsia: A Preliminary Receiver Operating Characteristic Analysis on Choroidal Thickness for Disease Severity. <b>2019</b> , 44, 916-920			6
226	MRI, CT and high resolution macro-anatomical images with cryosectioning of a Beagle brain: Creating the base of a multimodal imaging atlas. <b>2019</b> , 14, e0213458			8
225	Retinal and choroidal thickness in paediatric patients with hypoalbuminaemia caused by nephrotic syndrome. <i>BMC Ophthalmology</i> , <b>2019</b> , 19, 44	2.3		3

224	Cohort profile: design and methods in the eye and vision consortium of UK Biobank. <i>BMJ Open</i> , <b>2019</b> , 9, e025077	3	31
223	An overview of optical coherence tomography angiography and the posterior pole. <i>Therapeutic Advances in Ophthalmology</i> , <b>2019</b> , 11, 2515841419840249	2	15
222	Diagnostic Techniques: OCT. <b>2019</b> , 235-255		
221	Incorporating non-linear alignment and multi-compartmental modeling for improved human optic nerve diffusion imaging. <b>2019</b> , 196, 102-113		4
220	Diagnostic performance of optical coherence tomography angiography in glaucoma: a systematic review and meta-analysis. <b>2019</b> , 103, 1677-1684		11
219	Microscope-Integrated Intraoperative Optical Coherence Tomography in Retinal Surgery. <b>2019</b> ,		1
218	. <b>2019</b> ,		
217	OCT fluid detection and quantification. <b>2019</b> , 273-298		1
216	Deep Learning Based Sub-Retinal Fluid Segmentation in Central Serous Chorioretinopathy Optical Coherence Tomography Scans. <b>2019</b> , 2019, 978-981		3
215	Early detection of enamel demineralization by optical coherence tomography. <i>Scientific Reports</i> , <b>2019</b> , 9, 17154	4.9	8
214	Prognostic Factors for Recovery of Vision in Canine Optic Neuritis of Unknown Etiology: 26 Dogs (2003-2018). <b>2019</b> , 6, 415		2
213	Simultaneously imaging and quantifying mechanical properties of crystalline lens and cornea using optical coherence elastography with acoustic radiation force excitation. <b>2019</b> , 4,		20
212	Endometrium imaging using real-time rotational optical coherence tomography imaging system: A pilot, prospective and ex-vivo study. <b>2019</b> , 98, e17738		2
211	Evaluation of calculus imaging on root surfaces by spectral-domain optical coherence tomography. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2019</b> , 25, 275-279	3.5	4
210	Swept source optical coherence tomography analysis of choroidal thickness in macular telangiectasia type 2: a case-control study. <b>2019</b> , 257, 567-573		2
209	In Vivo and Ex Vivo Microscopy: Moving Toward the Integration of Optical Imaging Technologies Into Pathology Practice. <b>2019</b> , 143, 288-298		15
208	Light-responsive nanomedicine for biophotonic imaging and targeted therapy. <b>2019</b> , 138, 133-147		72
207	Is Optical Coherence Tomography a Potential Tool to Evaluate Marginal Adaptation of Class III/IV Composite Restorations ?. <b>2019</b> , 44, 242-253		9

206	Detection of microvascular retinal changes in type I diabetic mice with optical coherence tomography angiography. <b>2019</b> , 178, 91-98		8
205	REPEATABILITY OF CHOROIDAL THICKNESS MEASUREMENTS ASSESSED WITH SWEEPED-SOURCE OPTICAL COHERENCE TOMOGRAPHY IN HEALTHY AND DIABETIC INDIVIDUALS. <b>2019</b> , 39, 786-793		7
204	MACULAR DEHISCENCE-ASSOCIATED EPIRETINAL PROLIFERATION IN EYES WITH FULL-THICKNESS MACULAR HOLE. <b>2020</b> , 40, 273-281		3
203	Imaging of adult nasal obstruction. <b>2020</b> , 75, 688-704		5
202	Short-term variations of optic coherence tomography findings in mild and severe chronic obstructive pulmonary disease. <b>2020</b> , 34, 923-933		2
201	Speckle denoising in optical coherence tomography images using residual deep convolutional neural network. <b>2020</b> , 79, 15679-15695		8
200	Assessment of tear meniscus by optical coherence tomography in patients with canalicular laceration repair. <b>2020</b> , 40, 13-18		2
199	Fully Automated Postlumpectomy Breast Margin Assessment Utilizing Convolutional Neural Network Based Optical Coherence Tomography Image Classification Method. <b>2020</b> , 27, e81-e86		11
198	Biomimetic nanoparticle technology for cardiovascular disease detection and treatment. <b>2020</b> , 5, 25-42		45
197	Optimal stimulation frequency for vibrational optical coherence elastography. <b>2020</b> , 13, e201960066		3
196	Automatic vessel lumen segmentation in optical coherence tomography (OCT) images. <b>2020</b> , 88, 106042		3
195	Interpretation of OCT and OCTA images from a histological approach: Clinical and experimental implications. <i>Progress in Retinal and Eye Research</i> , <b>2020</b> , 77, 100828	20.5	36
194	Exploring choroidal angioarchitecture in health and disease using choroidal vascularity index. <i>Progress in Retinal and Eye Research</i> , <b>2020</b> , 77, 100829	20.5	54
193	Precision medicine in ophthalmology. <b>2020</b> , 361-368		
192	Current opinion neurology: visual pathway biomarkers in Alzheimer's disease. <b>2020</b> , 33, 79-86		2
191	Retinal structural abnormalities in young adults with psychosis spectrum disorders. <b>2020</b> , 98, 109825		10
190	Correlation of neutrophil/lymphocyte ratio and pulmonary parameters with optic coherence tomography findings in stable chronic obstructive pulmonary disease. <b>2020</b> , 14, 353-363		2
189	Noninvasive Imaging of Cone Ablation and Regeneration in Zebrafish. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 18	3.3	3

188	Central Serous Chorioretinopathy in Elderly Patients Mimicking Occult Neovascular Age-Related Macular Degeneration. <b>2020</b> , 14, 4073-4078		0
187	Novel input polarisation independent endoscopic cross-polarised optical coherence tomography probe. <b>2020</b> , 13, e202000134		5
186	Assessment of the Inner Surface Roughness of 3D Printed Dental Crowns via Optical Coherence Tomography Using a Roughness Quantification Algorithm. <b>2020</b> , 8, 133854-133864		4
185	Insights into the Blanching of Water-Damaged Varnish by Means of Spectral-Domain Optical Coherence Tomography. <b>2020</b> , 1-10		2
184	Evaluating the effect of intravitreal triamcinolone-moxifloxacin during cataract surgery on central macular edema in patients with preexisting diabetic retinopathy. <b>2020</b> , 46, 1253-1259		0
183	An Intelligent Optical Coherence Tomography-based System for Pathological Retinal Cases Identification and Urgent Referrals. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 46	3-3	3
182	Retinal and circumpapillary nerve fiber layer thickness and associated factors in children. <b>2021</b> , 35, 2802-2811		0
181	The future of retinal imaging. <i>Current Opinion in Ophthalmology</i> , <b>2020</b> , 31, 199-206	5-1	6
180	Artificial Intelligence in Ophthalmology in 2020: A Technology on the Cusp for Translation and Implementation. <b>2020</b> , 9, 61-66		16
179	Image Projection Network: 3D to 2D Image Segmentation in OCTA Images. <b>2020</b> , 39, 3343-3354		27
178	Wide-field individual retinal layer thickness in healthy eyes. <b>2021</b> , 31, 1970-1977		3
177	Multimodal Coherent Imaging of Retinal Biomarkers of Alzheimer's Disease in a Mouse Model. <i>Scientific Reports</i> , <b>2020</b> , 10, 7912	4-9	11
176	Fully automated identification and clinical classification of macular edema using optical coherence tomography images. <b>2020</b> , 45-67		0
175	Biomedical optical imaging technology and applications: From basic research toward clinical diagnosis. <b>2020</b> , 245, 269-272		0
174	RTVue XR AngioVue Optical Coherence Tomography Angiography Software Upgrade Impacts on Retinal Thickness and Vessel Density Measurements. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 10	3-3	3
173	Subretinal Fibrosis Detection Using Polarization Sensitive Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 13	3-3	6
172	Atlas of Human Retinal Pigment Epithelium Organelles Significant for Clinical Imaging. <b>2020</b> , 61, 13		20
171	Comparison of the Iowa Reference Algorithm to the Heidelberg Spectralis optical coherence tomography segmentation algorithm. <b>2020</b> , 13, e201960187		1

170	In Vivo Imaging of Schlemm's Canal and Limbal Vascular Network in Mouse Using Visible-Light OCT. <b>2020</b> , 61, 23			11
169	Plasmonic Copper Sulfide Nanoparticles Enable Dark Contrast in Optical Coherence Tomography. <b>2020</b> , 9, e1901627			12
168	Multi-modal Anterior Eye Imager Combining Ultra-High Resolution OCT and Microvascular Imaging for Structural and Functional Evaluation of the Human Eye. <b>2020</b> , 10, 2545			3
167	Application of machine learning in ophthalmic imaging modalities. <b>2020</b> , 7, 22			24
166	RAG-FW: A Hybrid Convolutional Framework for the Automated Extraction of Retinal Lesions and Lesion-Influenced Grading of Human Retinal Pathology. <b>2021</b> , 25, 108-120			10
165	Ex-vivo molecular imaging with upconversion nanoparticles (UCNPs) using photo thermal optical coherence tomography (PTOCT). <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2021</b> , 33, 102027	3.5		1
164	Choroidal Structural Analysis in Alzheimer Disease, Mild Cognitive Impairment, and Cognitively Healthy Controls. <b>2021</b> , 223, 359-367			9
163	Microfluidic organ-on-a-chip model of the outer blood-retinal barrier with clinically relevant read-outs for tissue permeability and vascular structure. <b>2021</b> , 21, 272-283			7
162	A preliminary study of post-progressive nail-art effects on in vivo nail plate using optical coherence tomography-based intensity profiling assessment. <i>Scientific Reports</i> , <b>2021</b> , 11, 666	4.9		1
161	Role of Optical Coherence Tomography in Identifying Retinal Biomarkers in Frontotemporal Dementia: A Review. <b>2021</b> , 11, e516-e523			2
160	Functionalized contrast agents for multimodality photoacoustic microscopy, optical coherence tomography, and fluorescence microscopy molecular retinal imaging. <b>2021</b> , 657, 443-480			2
159	Convolutional Neural Networks in Advanced Biomedical Imaging Applications. <b>2021</b> , 197-236			0
158	Ensemble Learning Approach to Retinal Thickness Assessment in Optical Coherence Tomography. <b>2021</b> , 9, 67349-67363			2
157	Indocyanine green-enhanced multimodal photoacoustic microscopy and optical coherence tomography molecular imaging of choroidal neovascularization. <b>2021</b> , 14, e202000458			1
156	Integrated Quad-Scanner Strategy-Based Optical Coherence Tomography for the Whole-Directional Volumetric Imaging of a Sample. <b>2021</b> , 21,			1
155	A Normative Database of A-Scan Data Using the Heidelberg Spectralis Spectral Domain Optical Coherence Tomography Machine.			2
154	Model-based optical coherence tomography angiography enables motion-insensitive vascular imaging. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 2149-2170	3.5		1
153	Clustering of eyes with age-related macular degeneration or pachychoroid spectrum diseases based on choroidal thickness profile. <i>Scientific Reports</i> , <b>2021</b> , 11, 4999	4.9		3

152	Artificial Intelligence (AI) Applications for Age-Related Macular Degeneration (AMD) and Other Retinal Dystrophies. <b>2021</b> , 36, 304-309	3
151	Capturing the Occult Central Retinal Artery Occlusion Using Optical Coherence Tomography. <b>2021</b> , 46, 1762-1767	0
150	Optical coherence tomography's current clinical medical and dental applications: a review. <b>2021</b> , 10, 310	1
149	Depth encoded input polarisation independent swept source cross-polarised optical coherence tomography probe. <b>2021</b> , 54, 305401	4
148	Detection of oedema on optical coherence tomography images using deep learning model trained on noisy clinical data. <b>2021</b> ,	1
147	Microparticle-Based Biochemical Sensing Using Optical Coherence Tomography and Deep Learning. <b>2021</b> , 15, 9764-9774	4
146	Deep Learning in Biomedical Optics. <b>2021</b> , 53, 748-775	6
145	A review of low-cost and portable optical coherence tomography. <b>2021</b> , 3, 032002	9
144	ILM and Fovea Detection using Standard Deviation Profiling Method. <b>2021</b> ,	
143	Peripapillary Halo in Inflammatory Papillitis of Birdshot Chorioretinopathy. <b>2021</b> , 15, 2327-2333	1
142	Evaluation of Retinal Structure and Optic Nerve Function Changes in Multiple Sclerosis: Longitudinal Study with 1-Year Follow-Up. <b>2021</b> , 2021, 5573839	1
141	A normative database of A-scan data using the Heidelberg Spectralis Spectral Domain Optical Coherence Tomography machine. <b>2021</b> , 16, e0253720	3
140	Interdisciplinary research: shaping the healthcare of the future. <b>2021</b> , 8, e218-e223	5
139	Optimization of X-ray Investigations in Dentistry Using Optical Coherence Tomography. <b>2021</b> , 21,	3
138	Agreement Between Spectral-Domain and Swept-Source Optical Coherence Tomography Retinal Thickness Measurements in Macular and Retinal Disease. <b>2021</b> , 10, 913-922	0
137	Student becomes teacher: training faster deep learning lightweight networks for automated identification of optical coherence tomography B-scans of interest using a student-teacher framework. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 5387-5399	3.5 2
136	Utilizing Advanced Technology to Facilitate Diagnosis of Rare Retinal Disorders: A Case of Bietti Crystalline Dystrophy. <b>2021</b> , 98, 1031-1038	
135	Stability of OCT and OCTA in the Intensive Therapy Unit Setting. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8 1

134	In vivo multimodal retinal imaging of disease-related pigmentary changes in retinal pigment epithelium. <i>Scientific Reports</i> , <b>2021</b> , 11, 16252	4.9	9
133	Investigation of the scattering and attenuation properties of cataracts formed in mouse eyes with 1060-nm and 1310-nm swept-source optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 6391-6406	3.5	0
132	FULL-THICKNESS MACULAR HOLE SIZE BY HYPERTRANSMISSION SIGNAL ON SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY. <b>2021</b> , 41, 2059-2065		0
131	Evidence for and against subclinical disease activity and progressive disease in MOG antibody disease and neuromyelitis optica spectrum disorder. <b>2021</b> , 360, 577702		1
130	Schlemm's Canal and Collector Channels as Therapeutic Targets. <b>2014</b> , 3-25		5
129	Ophthalmic Diagnostic Imaging: Retina. <b>2019</b> , 87-106		6
128	Structure-Aware Noise Reduction Generative Adversarial Network for Optical Coherence Tomography Image. <b>2019</b> , 9-17		5
127	Advances in Early Detection and Diagnostic Adjuncts in Oral Cavity Cancer. <b>2017</b> , 355-421		4
126	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. <b>2016</b> , 23, 209-22		81
125	Factors Associated With Visual Field Progression in Cirrus Optical Coherence Tomography-guided Progression Analysis: A Topographic Approach. <b>2017</b> , 26, 555-560		7
124	Clinical translation of handheld optical coherence tomography: practical considerations and recent advancements. <b>2017</b> , 22, 1-30		33
123	Challenges and opportunities in clinical translation of biomedical optical spectroscopy and imaging. <b>2018</b> , 23, 1-13		30
122	High signal-to-noise ratio reconstruction of low bit-depth optical coherence tomography using deep learning. <b>2020</b> , 25,		6
121	Convolutional neural network (CNN) classification of breast cancer in optical coherence tomography (OCT) images. <b>2019</b> ,		1
120	Multimodal mid-infrared optical coherence tomography and spectroscopy for non-destructive testing and art diagnosis. <b>2019</b> ,		2
119	Retinal blood flow in critical illness and systemic disease: a review. <b>2020</b> , 10, 152		4
118	Three-dimensional visualization of opacifications in the murine crystalline lens by in vivo optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 2085-2097	3.5	4
117	Methylene blue-filled biodegradable polymer particles as a contrast agent for optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 4255-4274	3.5	3



116	Analysis of retinal nerve fiber layer birefringence in patients with glaucoma and diabetic retinopathy by polarization sensitive OCT. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 5488-5505	3.5	5
115	Generating large field of view en-face projection images from intra-acquisition motion compensated volumetric optical coherence tomography data. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 6881-6904	3.5	9
114	Dual-side view optical coherence tomography for thickness measurement on opaque materials. <b>2020</b> , 45, 832-835		5
113	Objective determination of optimal number of spectral-domain optical coherence tomographic images of retina to average. <b>2014</b> , 9, e110550		5
112	Enface Thickness Mapping and Reflectance Imaging of Retinal Layers in Diabetic Retinopathy. <b>2015</b> , 10, e0145628		8
111	Choroidal Round Hyporeflectivities in Geographic Atrophy. <b>2016</b> , 11, e0166968		7
110	The diagnostic use of choroidal thickness analysis and its correlation with visual field indices in glaucoma using spectral domain optical coherence tomography. <b>2017</b> , 12, e0189376		12
109	Age- and refraction-related changes in anterior segment anatomical structures measured by swept-source anterior segment OCT. <b>2020</b> , 15, e0240110		6
108	[Evaluation of YAG-laser vitreolysis effectiveness based on quantitative characterization of vitreous floaters]. <b>2018</b> , 134, 56-62		5
107	[Non-contact optical coherence tomography - an effective method for visualizing the exudate of the middle ear]. <i>Vestnik Otorinolaringologii</i> , <b>2020</b> , 85, 16-23	0	3
106	The causes of hyperreflective dots in optical coherence tomography excluding diabetic macular edema and retinal venous occlusion. <b>2015</b> , 9, 36-40		19
105	Swept-Source OCT Visualization of Macular Hole Closure in Gas-Filled Eyes. <b>2017</b> , 48, 392-398		4
104	Use of Optical Coherence Tomography Angiography in Masqueraders of Wet Age-Related Macular Degeneration and Choroidal Neovascularization. <b>2018</b> , 49, 80-85		4
103	En-face optical coherence tomography in the diagnosis and management of age-related macular degeneration and polypoidal choroidal vasculopathy. <b>2015</b> , 63, 378-83		14
102	Clinical applications of choroidal imaging technologies. <b>2015</b> , 63, 384-90		16
101	The Laser Technology: New Trends in Biology and Medicine. <b>2014</b> , 05, 267-279		6
100	The Choroid and Optical Coherence Tomography. <b>2016</b> , 46, 30-37		30
99	Structural retinal abnormalities as potential markers for psychosis spectrum disorders. <b>2018</b> , 69, 41-47		5

- 98 Role of the choroidal vascularity index in branch retinal vein occlusion (BRVO) with macular edema. **2021**, 16, e0258728 2
- 97 Evaluation of the impact of COPD severity grading and oxygen saturation on the retinal nerve fiber layer thickness and subfoveal choroidal thickness in COPD patients. **2021**, 15,
- 96 Efficacy of Intravitreal Dexamethasone After Combined Phacoemulsification and Pars Plana Vitrectomy for Diabetic Tractional Retinal Detachments. **2021**,
- 95 Swept-Source Optical Coherence Tomography. **2017**, 59-78
- 94 The Detection of the Retinal Lesions in Optical Coherence Tomography (OCT). **2017**, 179-195 1
- 93 Imaging Choroidal Disorders. **2017**, 399-412
- 92 Prognostic Indicators for Visual Outcomes following Surgery for Epiretinal Membrane Associated with Diabetic Patients. **2017**, 7,
- 91 Numerical simulation and experimental study on photo-thermal damage distribution of skin. **2018**,
- 90 In Vivo FF-SS-OCT Optical Imaging of Physiological Responses to Photostimulation of Human Photoreceptor Cells. **2019**, 181-194 1
- 89 Benign Melanocytic Tumors of the Uvea. **2019**, 17-52 1
- 88 Determination of the Optical Properties of Basal Cancer Using OCT System. **2019**, 09, 88-97
- 87 Multiscale Hessian filtering for enhancement of OCT angiography images. **2019**, 2
- 86 Variability in Optical Coherence Tomography Angiography Interpretation in a Cohort of Retina Specialists. **2019**, 50, 344-353 1
- 85 4D microscopic optical coherence tomography imaging of ex vivo mucus transport. **2019**, 1
- 84 Diagnostic Adjuncts for Screening and Surveillance in Head and Neck Cancer. **2020**, 23-32
- 83 Operative Evaluation of the Upper Aerodigestive Tract. **2020**, 13-19
- 82 Benign Mass Lesions. **2020**, 213-225
- 81 Pre-operative predicting factor in visual outcome after macular hole surgery. *Pakistan Journal of Medical Sciences*, **2020**, 36, 1053-1057 2

80	Future Novel Imaging Methods. <i>Essentials in Ophthalmology</i> , <b>2020</b> , 99-124	0.2	
79	DAISY Descriptors Combined with Deep Learning to Diagnose Retinal Disease from High Resolution 2D OCT Images. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 489-496	0.3	0
78	A brief introduction to biophotonic techniques and methods. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1771-1775	0.75	0
77	Microparticle-based Biochemical Sensing Using Optical Coherence Tomography and Deep Learning.		
76	OCT and Compressive Optic Neuropathy. <b>2020</b> , 169-194		
75	Evaluation of Posterior Ocular Structures in Patients with Isolated Iris Coloboma.. <i>Beyoglu Eye Journal</i> , <b>2020</b> , 5, 228-233	0.1	
74	Early Glaucoma Discrimination Index. <i>Journal of Current Glaucoma Practice</i> , <b>2020</b> , 14, 16-24	1.1	0
73	RPE and Stem Cell Therapy. <b>2020</b> , 249-263		
72	Simultaneous Segmentation of Retinal OCT Images Using Level Set. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 120-136	0.3	
71	[Overview of modern methods for the diagnosis of exudative otitis media]. <i>Vestnik Otorinolaringologii</i> , <b>2020</b> , 85, 68-74	0	2
70	Direct laser writing of a titanium dioxide-laden retinal cone phantom for adaptive optics-optical coherence tomography. <i>Optical Materials Express</i> , <b>2020</b> , 10, 2757	2.6	3
69	Swept-source optical coherence tomography study of choroidal morphology in Stargardt disease. <i>Oman Journal of Ophthalmology</i> , <b>2018</b> , 11, 150-157	0.7	4
68	[Imaging and quantitative analysis of early caries using optical coherence tomography]. <i>Hua Xi Kou Qiang Yi Xue Za Zhi = Huaxi Kouqiang Yixue Zazhi = West China Journal of Stomatology</i> , <b>2015</b> , 33, 121-4		0
67	Evaluation of choroidal thickness, retinal vascular caliber, and nerve fiber layer thickness in idiopathic interstitial pneumonia. <i>Sarcoidosis Vasculitis and Diffuse Lung Diseases</i> , <b>2017</b> , 34, 68-73	1.1	
66	Infliximab therapy provides beneficial effects for choroidal thickness increase in patients with active ankylosing spondylitis: A possible mechanism mediating the suppressing of uveitis attacks. <i>Archives of Rheumatology</i> , <b>2021</b> , 36, 56-62	0.9	1
65	Precision and Agreement of Individual and Simultaneous Macular and Optic Disc Volumetric Measurements With Spectral Domain Optical Coherence Tomography.. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 764236	4.9	
64	Reducing speckle in anterior segment optical coherence tomography images based on a convolutional neural network.. <i>Applied Optics</i> , <b>2021</b> , 60, 10964-10974	1.7	1
63	The role of multimodal imaging and vision function testing in -related retinopathies and their relevance to future therapeutic interventions.. <i>Therapeutic Advances in Ophthalmology</i> , <b>2021</b> , 13, 25158414211056384		

62	Infliximab Therapy Provides Beneficial Effects for Choroidal Thickness Increase in Patients With Active Ankylosing Spondylitis: A Possible Mechanism Mediating the Suppressing of Uveitis Attacks. <i>Archives of Rheumatology</i> , <b>2021</b> , 36, 56-62	0.9	1
61	Nonlinear distortion correction for posterior eye segment optical coherence tomography with application to tree shrews.. <i>Biomedical Optics Express</i> , <b>2022</b> , 13, 1070-1086	3.5	3
60	State of the art spatial visualization of the response of neovascularisation to anti-vascular endothelial growth factor therapy.. <i>American Journal of Ophthalmology Case Reports</i> , <b>2022</b> , 25, 101267	1.3	
59	Real-time OCT image denoising using a self-fusion neural network.. <i>Biomedical Optics Express</i> , <b>2022</b> , 13, 1398-1409	3.5	0
58	A multimodal deep learning system to distinguish late stages of AMD and to compare expert vs. AI ocular biomarkers.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2585	4.9	3
57	Evaluation of an OCT-AI-Based Telemedicine Platform for Retinal Disease Screening and Referral in a Primary Care Setting.. <i>Translational Vision Science and Technology</i> , <b>2022</b> , 11, 4	3.3	0
56	Development and quantitative assessment of deep learning-based image enhancement for optical coherence tomography.. <i>BMC Ophthalmology</i> , <b>2022</b> , 22, 139	2.3	
55	Mitochondria in cone photoreceptors act as microlenses to enhance photon delivery and confer directional sensitivity to light.. <i>Science Advances</i> , <b>2022</b> , 8, eabn2070	14.3	7
54	A Systematic Review of Artificial Intelligence Applications Used for Inherited Retinal Disease Management.. <i>Medicina (Lithuania)</i> , <b>2022</b> , 58,	3.1	0
53	Motion correction in retinal optical coherence tomography imaging using deep learning registration. <b>2022</b> ,		
52	An Evaluation of Choroidal and Retinal Nerve Fiber Layer Thicknesses Using SD-OCT in Children with Childhood IgA Vasculitis.. <i>Diagnostics</i> , <b>2022</b> , 12,	3.8	
51	Variable-Order Fractional Diffusion Model-Based Medical Image Denoising. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-10	1.1	1
50	Developing a New Dimension for Fourier Domain Optical Coherence Tomography Images by Simultaneous Measurement of the Refractive Index and Thickness.. <i>Journal of Lasers in Medical Sciences</i> , <b>2021</b> , 12, e89	1.6	
49	PAENet: A Progressive Attention-Enhanced Network for 3D to 2D Retinal Vessel Segmentation. <b>2021</b> ,		0
48	Dynamic microscopic optical coherencetomography to visualize morphological andfunctional micro-anatomy of the airways. <i>Biomedical Optics Express</i> ,	3.5	0
47	Neuro-ophthalmic Imaging and Visual Assessment Technology for Spaceflight Associated Neuro-ocular Syndrome (SANS).. <i>Survey of Ophthalmology</i> , <b>2022</b> ,	6.1	1
46	Complementarity of OCT and radiography for imaging investigations in dentistry. <b>2022</b> ,		
45	Glial-mediated neuroinflammatory mechanisms in age-related macular degeneration.. <i>Seminars in Immunopathology</i> , <b>2022</b> , 1	12	0

44	Influence of the adhesion of integral ceramic veneers depending on the photopolymerization direction during the luting time. <b>2022,</b>		
43	Registration of histological brain images onto optical coherence tomography images based on shape information.. <i>Physics in Medicine and Biology</i> , <b>2022,</b>	3.8	0
42	In-plane and out-of-plane deformations of gilt utero-sacral ligaments.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 131, 105249	4.1	0
41	Optical signal intensity incorporated rice seed cultivar classification using optical coherence tomography. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 198, 107014	6.5	0
40	The genetic basis for adult onset glaucoma: Recent advances and future directions.. <i>Progress in Retinal and Eye Research</i> , <b>2022</b> , 101066	20.5	1
39	Outer retinal thickness and visibility of the choriocapillaris in four distinct retinal regions imaged with spectral domain optical coherence tomography in dogs and cats. <i>Veterinary Ophthalmology</i> ,	1.4	1
38	Improving the optical bandwidth of swept laser source using a dual-sinusoidal modulation of driving signal. <i>Optics and Laser Technology</i> , <b>2022</b> , 154, 108302	4.2	
37	Intraoral optical coherence tomography and angiography combined with autofluorescence for dental assessment. <i>Biomedical Optics Express</i> ,	3.5	1
36	Arterial Hypertension and the Hidden Disease of the Eye: Diagnostic Tools and Therapeutic Strategies. <i>Nutrients</i> , <b>2022</b> , 14, 2200	6.7	0
35	Volumetric Quantification of Choroid and Haller's Sublayer Using OCT Scans: An Accurate and Unified Approach Based on Stratified Smoothing. <i>Computerized Medical Imaging and Graphics</i> , <b>2022</b> , 102086	7.6	0
34	Classification of Glaucoma Based on Elephant-Herding Optimization Algorithm and Deep Belief Network. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1763	2.6	5
33	Role of Optical Coherence Tomography to Measure Retinal Nerve Fiber Layer Thickness in Patient With Chronic Obstructive Pulmonary Disease. <i>Cureus</i> , <b>2022</b> ,	1.2	
32	Association between retinal markers and cognition in older adults: a systematic review. <i>BMJ Open</i> , <b>2022</b> , 12, e054657	3	3
31	Protocol for a qualitative study to explore acceptability, barriers and facilitators of the implementation of new teleophthalmology technologies between community optometry practices and hospital eye services. <i>BMJ Open</i> , <b>2022</b> , 12, e060810	3	0
30	Ocular changes in nephrotic syndrome patients with preserved renal functions. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2022</b> , 103024	3.5	
29	Quantum Wiener-Khinchin Theorem for Spectral-Domain Optical Coherence Tomography. <b>2022</b> , 18,		0
28	Vascular Remodelling After Anti-vegf Treatment in Patients With Neovascular Age-related Macular Degeneration.		
27	Optical Coherence Tomography Features of Ocular Cysticercosis: A Review of Literature With Observer Variation. <b>2022</b> , 53, 446-454		

- 26 Optical coherence tomography holds promise to transform the diagnostic anatomic pathology gross evaluation process. **2022**, 27, ○
- 25 Optical Coherence Tomography (OCT) and Angio-OCT Imaging Techniques in Multiple Sclerosis Patients with or without Optic Neuritis. ○
- 24 Differentiation of different stages of brain tumor infiltration using optical coherence tomography: Comparison of two systems and histology. 12, 1
- 23 Optical Coherence Tomography of Peripapillary Vessels in Giant Cell Arteritis and Ischaemic Ocular Disease. 1-7 ○
- 22 Sensor Technologies for Quality Control in Engineered Tissue Manufacturing. ○
- 21 Personalized Approach in Treatment of Neovascular Age-Related Macular Degeneration. **2022**, 12, 1456 ○
- 20 Neurodegeneration of the cornea and retina in patients with type 1 diabetes without clinical evidence of diabetic retinopathy. 13, ○
- 19 Optical Coherence Tomography Classification Based on Transfer Learning and RA-Attention. **2022**, 279-290 ○
- 18 Predicting attitudes towards screening for neurodegenerative diseases using OCT and artificial intelligence: Findings from a literature review. **2022**, 11, 227990362211276 ○
- 17 Optical coherence tomography angiography as a surrogate marker for end-organ resuscitation in sepsis: A review. 9, ○
- 16 Role of Nanodiagnostics in Health Sciences. **2022**, 305-314 ○
- 15 On-field optical imaging data for the pre-identification and estimation of leaf deformities. **2022**, 9, ○
- 14 Deep-learning-aided Diagnosis of DR, AMD, and Glaucoma based on Structural and Angiographic Optical Coherence Tomography. **2022**, 100245 ○
- 13 Chapter 12. Imaging in Scaffolds. **2022**, 304-341 ○
- 12 Correlation between retinal and optic nerve microvasculature and sensitivity in patients with multiple sclerosis with and without optic neuritis. **2022**, 115, 222 ○
- 11 Deep Learning-Based Glaucoma Screening Using Regional RNFL Thickness in Fundus Photography. **2022**, 12, 2894 ○
- 10 Optical coherence tomography as a diagnostic intervention before cataract surgery—a review. ○
- 9 Effect of an Anaerobic Fermentation Process on 3D-Printed PLA Materials of a Biogas-Generating Reactor. **2022**, 15, 8571 ○

8	Development of deviated focusing-based optical coherence microscope with variable depth of focus for high-resolution imaging.	1
7	The Usefulness of Optical Coherence Tomography in Disease Progression Monitoring in Younger Patients with Relapsing-Remitting Multiple Sclerosis: A Single-Centre Study. <b>2023</b> , 12, 93	0
6	Deep learning based diagnostic quality assessment of choroidal OCT features with expert-evaluated explainability. <b>2023</b> , 13,	0
5	The Choroidal Vascularity Indices of Treatment-Naïve Patients with Central Retinal Vein Occlusion and Age-/Sex-Matched Controls. <b>2023</b> , 64, 35-42	0
4	OCT5k: A dataset of multi-disease and multi-graded annotations for retinal layers.	0
3	Exploring Healthy Retinal Aging with Deep Learning. <b>2023</b> , 3, 100294	0
2	Automated segmentation and quantification of calcified drusen in 3D swept source OCT imaging. <b>2023</b> , 14, 1292	0
1	A systematic review and meta-analysis of Optical coherence tomography studies in Schizophrenia, Bipolar disorder and Major depressive disorder. 1-16	0