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The retina as a window to the brain-from eye research to CNS disorders

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720	Retinal ganglion cells: Energetics, compartmentation, axonal transport, cytoskeletons and vulnerability. 2013 , 36, 217-46		121
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718	Thioredoxin Interacting Protein (TXNIP) and Pathogenesis of Diabetic Retinopathy. 2013, 4,		62
717	Quantitative changes in perifoveal capillary networks in patients with vascular comorbidities. 2013 , 54, 5175-85		17
716	Early retinal function deficit without prominent morphological changes in the R6/2 mouse model of Huntington's disease. 2014 , 9, e113317		22
7 ¹ 5	Knockdown of zebrafish blood vessel epicardial substance results in incomplete retinal lamination. 2014 , 2014, 803718		2
714	Ocular changes in TgF344-AD rat model of Alzheimer's disease. 2014 , 55, 523-34		99
713	Female reproductive factors and major eye diseases in Asian women -the Singapore Malay Eye Study. 2014 , 21, 92-8		11
712	Potential Applications of Spectral-Domain Optical Coherence Tomography (SD-OCT) in the Study of Alzheimer's Disease. 2014 , 23, 74-83		4
711	No influence of acute RF exposure (GSM-900, GSM-1800, and UMTS) on mouse retinal ganglion cell responses under constant temperature conditions. 2014 , 35, 16-29		4
710	Magnetic resonance neuroimaging study of brain structural differences in diabetic peripheral neuropathy. 2014 , 37, 1681-8		7 ²
709	Retinal imaging as a source of biomarkers for diagnosis, characterization and prognosis of chronic illness or long-term conditions. 2014 , 87, 20130832		63
708	Noninvasive two-photon microscopy imaging of mouse retina and retinal pigment epithelium through the pupil of the eye. 2014 , 20, 785-9		82
707	Glia-Mediated Retinal Neuroinflammation as a Biomarker in Alzheimer's Disease. 2015 , 54, 204-11		7
706	Grading fluorescein angiograms in malarial retinopathy. 2015 , 14, 367		10
705	A new glaucoma hypothesis: a role of glymphatic system dysfunction. 2015 , 12, 16		66
704	Inhaled Anesthesia, Apoptosis, and the Developing Retina: A Window into the Brain?. 2015 , 121, 1117-6	8	3

703	Retinal and visual system: occupational and environmental toxicology. 2015 , 131, 325-40	12
702	Role of Endothelium in Abnormal Cannabidiol-Induced Vasoactivity in Retinal Arterioles. 2015 , 56, 4029-37	20
701	Midkine-a protein localization in the developing and adult retina of the zebrafish and its function during photoreceptor regeneration. 2015 , 10, e0121789	22
700	Retina Is Protected by Neuroserpin from Ischemic/Reperfusion-Induced Injury Independent of Tissue-Type Plasminogen Activator. 2015 , 10, e0130440	12
699	Suitability of UK Biobank Retinal Images for Automatic Analysis of Morphometric Properties of the Vasculature. 2015 , 10, e0127914	38
698	Ophthalmologic Psychophysical Tests Support OCT Findings in Mild Alzheimer's Disease. 2015 , 2015, 736949	15
697	Contribution of microglia-mediated neuroinflammation to retinal degenerative diseases. 2015 , 2015, 673090	133
696	Retinal nerve fiber layer and macular thickness in patients with schizophrenia: Influence of recent illness episodes. 2015 , 229, 230-6	62
695	From Imaging the Brain to Imaging the Retina: Optical Coherence Tomography (OCT) in Schizophrenia. 2016 , 42, 9-14	35
694	MicroRNA target prediction in glaucoma. 2015 , 220, 217-40	30
693	Development of Intelligent Learning Tool for Improving Foreign Language Skills Based on EEG and Eye tracker. 2015 ,	1
692	A systematic review and meta-analysis of retinal nerve fiber layer change in dementia, using optical coherence tomography. 2015 , 1, 136-43	103
691	Developing retinal biomarkers of neurological disease: an analytical perspective. 2015 , 9, 691-701	26
690	Successful arrest of photoreceptor and vision loss expands the therapeutic window of retinal gene therapy to later stages of disease. 2015 , 112, E5844-53	58
689	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. 2015 , 584, 12-6	67
689	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. 2015 , 584, 12-6 The Impact of the Eye in Dementia: The Eye and its Role in Diagnosis and Follow-up. 2016 ,	6 ₇
		,

685	Effects of copper oxide nanoparticles on developing zebrafish embryos and larvae. 2016 , 11, 905-18	43
684	The Endocannabinoid System in the Retina: From Physiology to Practical and Therapeutic Applications. 2016 , 2016, 2916732	30
683	Bone Marrow-Derived Cells as a Therapeutic Approach to Optic Nerve Diseases. 2016 , 2016, 5078619	25
682	Cellular Stress Response and Immune Signaling in Retinal Ischemia-Reperfusion Injury. 2016 , 7, 444	38
681	Commentary: Anatomical constitution of sense organs as a marker of mental disorders. 2016 , 10, 56	7
680	Visual and Ocular Manifestations of Alzheimer's Disease and Their Use as Biomarkers for Diagnosis and Progression. 2016 , 7, 55	90
679	Polarization properties of single layers in the posterior eyes of mice and rats investigated using high resolution polarization sensitive optical coherence tomography. 2016 , 7, 1479-95	24
678	Turning Down the Thermostat: Modulating the Endocannabinoid System in Ocular Inflammation and Pain. 2016 , 7, 304	14
677	Immune response in the eye following epileptic seizures. 2016 , 13, 155	10
676	Long non-coding RNA MALAT1 regulates retinal neurodegeneration through CREB signaling. 2016 , 8, 346-62	66
675	Introduction: Retina Imaging IPast and Present. 2016 , 1-5	1
674	Preparation of embryonic retinal explants to study CNS neurite growth. 2016 , 146, 304-312	5
673	Amyloid 🖟 ccumulation and inner retinal degenerative changes in Alzheimer's disease transgenic mouse. 2016 , 623, 52-6	73
672	Optical coherence tomography and neurodegeneration: are eyes the windows to the brain?. 2016 , 16, 765-75	23
671	The retina as an early biomarker of neurodegeneration in a rotenone-induced model of Parkinson's disease: evidence for a neuroprotective effect of rosiglitazone in the eye and brain. 2016 , 4, 86	61
670	Neuroprotective hypothermia - Why keep your head cool during ischemia and reperfusion. 2016 , 1860, 2521-2528	23
669	Transient Retinal Dysfunctions after Acute Cannabis Use. 2016 , 22, 287-291	10
668	Early changes of brain connectivity in primary open angle glaucoma. 2016 , 37, 4581-4596	46

(2017-2016)

667	Conditional rod photoreceptor ablation reveals Sall1 as a microglial marker and regulator of microglial morphology in the retina. 2016 , 64, 2005-24	32
666	Ocular indicators of Alzheimer's: exploring disease in the retina. 2016 , 132, 767-787	133
665	Retinal interneuron survival requires non-cell-autonomous Atrx activity. 2016 , 25, 4787-4803	3
664	Renin-angiotensin system as a potential therapeutic target in stroke and retinopathy: experimental and clinical evidence. 2016 , 130, 221-38	33
663	Non-invasive intracranial pressure 'assessment. 2016 , 32, 1587-97	18
662	Eyeing the brain. 2016 , 132, 765-766	8
661	The correlation between cognitive performance and retinal nerve fibre layer thickness is largely explained by genetic factors. 2016 , 6, 34116	7
660	Probing electrical signals in the retina via graphene-integrated microfluidic platforms. 2016 , 8, 19043-19049	12
659	Assessing Retinal Microglial Phagocytic Function In Vivo Using a Flow Cytometry-based Assay. 2016 ,	3
658	Massively parallel cis-regulatory analysis in the mammalian central nervous system. 2016 , 26, 238-55	77
657	Angiographic evidence of proliferative retinopathy predicts neuropsychiatric morbidity in diabetic patients. 2016 , 67, 163-70	3
656	Seeing over the horizon - targeting the endocannabinoid system for the treatment of ocular disease. 2016 , 27, 253-65	18
655	Retinal involvement in amyotrophic lateral sclerosis: a study with optical coherence tomography and diffusion tensor imaging. 2016 , 123, 281-7	24
654	In vitro models of axon regeneration. 2017 , 287, 423-434	28
653	Long Noncoding RNA-Sox2OT Knockdown Alleviates Diabetes Mellitus-Induced Retinal Ganglion Cell (RGC) injury. 2017 , 37, 361-369	56
652	Beta-amyloid sequelae in the eye: a critical review on its diagnostic significance and clinical relevance in Alzheimer's disease. 2017 , 22, 353-363	39
651	Imaging retina to study dementia and stroke. 2017 , 57, 89-107	114
650	Investigations into Retinal Pathology in the Early Stages of a Mouse Model of Alzheimer's Disease. 2017 , 56, 655-675	21

649	Small molecules targeting glycogen synthase kinase 3 as potential drug candidates for the treatment of retinitis pigmentosa. 2017 , 32, 522-526	13
648	Disturbed mitochondrial function restricts glutamate uptake in the human MIler glia cell line, MIO-M1. 2017 , 36, 52-59	10
647	Visualization of neuritic plaques in Alzheimer's disease by polarization-sensitive optical coherence microscopy. 2017 , 7, 43477	34
646	The role of the retina in visual hallucinations: A review of the literature and implications for psychosis. 2017 , 99, 128-138	19
645	Size-selective opening of the blood-brain barrier by targeting endothelial sphingosine 1-phosphate receptor 1. 2017 , 114, 4531-4536	111
644	Altered protein glycosylation predicts Alzheimer's disease and modulates its pathology in disease model Drosophila. 2017 , 56, 159-171	13
643	Lateral thinking - Interocular symmetry and asymmetry in neurovascular patterning, in health and disease. 2017 , 59, 131-157	30
642	Optical Coherence Tomography Reveals Retinal Neuroaxonal Thinning in Frontotemporal Dementia as in Alzheimer's Disease. 2017 , 56, 1101-1107	65
641	The application of retinal fundus camera imaging in dementia: A systematic review. 2017 , 6, 91-107	65
640	Scattering angle resolved optical coherence tomography forin vivomurine retinal imaging. 2017,	1
639	Methane rescues retinal ganglion cells and limits retinal mitochondrial dysfunction following optic nerve crush. 2017 , 159, 49-57	13
638	Looking into the brain through the retinal ganglion cells in psychiatric disorders: A review of evidences. 2017 , 76, 155-162	17
637	Association Between Regular Cannabis Use and Ganglion Cell Dysfunction. 2017, 135, 54-60	29
636	[Retinal imaging of the macula and optic disc in neurodegenerative diseases]. 2017 , 114, 114-119	3
635	Retinal microvascular network alterations: potential biomarkers of cerebrovascular and neural diseases. 2017 , 312, H201-H212	49
634	Roles of miRNAs and long noncoding RNAs in the progression of diabetic retinopathy. 2017 , 37,	66
633	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. 2017 , 7, 12685	65
632	Retinal neurodegeneration and brain MRI markers: the Rotterdam Study. 2017 , 60, 183-191	40

631	Pluripotent stem cells and their utility in treating photoreceptor degenerations. 2017, 231, 191-223	11
630	A Map of Human Mitochondrial Protein Interactions Linked to Neurodegeneration Reveals New Mechanisms of Redox Homeostasis and NF- B Signaling. 2017 , 5, 564-577.e12	37
629	Using Retinal Imaging to Study Dementia. 2017 ,	6
628	Comparative Proteomic Analysis of the Mitochondria-associated ER Membrane (MAM) in a Long-term Type 2 Diabetic Rodent Model. 2017 , 7, 2062	36
627	Retinal Degeneration In A Mouse Model Of CLN5 Disease Is Associated With Compromised Autophagy. 2017 , 7, 1597	40
626	Evidence that activation of P2X7R does not exacerbate neuronal death after optic nerve transection and focal cerebral ischemia in mice. 2017 , 296, 23-31	8
625	Eye movement as a predictor of cognitive ability. 2017,	
624	Epigenetic Treatment of Neurodegenerative Ophthalmic Disorders: An Eye Toward the Future. 2017 , 6, 169-181	11
623	Loss of Temporal Peripapillary Retinal Nerve Fibers in Prediabetes or Type 2 Diabetes Without Diabetic Retinopathy: The Maastricht Study. 2017 , 58, 1017	9
622	Peripapillary Retinal Nerve Fiber Layer Thickness and the Evolution of Cognitive Performance in an Elderly Population. 2017 , 8, 93	8
621	The Retina in Multiple System Atrophy: Systematic Review and Meta-Analysis. 2017, 8, 206	20
620	Repeatability and Reproducibility of Retinal Neuronal and Axonal Measures on Spectral-Domain Optical Coherence Tomography in Patients with Cognitive Impairment. 2017 , 8, 359	12
619	Retinal and Cortical Blood Flow Dynamics Following Systemic Blood-Neural Barrier Disruption. 2017 , 11, 568	11
618	Biomarkers for Alzheimer Disease. 2017 , 247-277	
617	Disrupted Eye Movements in Preperimetric Primary Open-Angle Glaucoma. 2017 , 58, 2430-2437	16
616	Retinal Vein Occlusion as the Surrogate Marker for Premature Brain Aging in Young Patients. 2017 , 58, BIO82-BIO87	9
615	The Glymphatic Hypothesis of Glaucoma: A Unifying Concept Incorporating Vascular, Biomechanical, and Biochemical Aspects of the Disease. 2017 , 2017, 5123148	1029
614	Biomarkers for Preclinical Alzheimer Disease. 2018,	

613	Acute vitreoretinal trauma and inflammation after traumatic brain injury in mice. 2018 , 5, 240-251	14
612	Retinal Imaging in Early Alzheimer⊞ Disease. 2018 , 199-212	4
611	Knockout of zebrafish interleukin 7 receptor (IL7R) by the CRISPR/Cas9 system delays retinal neurodevelopment. 2018 , 9, 273	4
610	The retinal ganglion cell layer predicts normal-appearing white matter tract integrity in multiple sclerosis: A combined diffusion tensor imaging and optical coherence tomography approach. 2018 , 39, 1712-1720	5
609	Delayed bipolar and ganglion cells neuroretinal processing in regular cannabis users: The retina as a relevant site to investigate brain synaptic transmission dysfunctions. 2018 , 103, 75-82	18
608	Three-Dimensional Model of Electroretinogram Field Potentials in the Rat Eye. 2018 , 65, 2781-2789	4
607	Retinal Microvascular Abnormalities as Surrogate Markers of Cerebrovascular Ischemic Disease: A Meta-Analysis. 2018 , 27, 1960-1968	21
606	A pilot study assessing retinal pathology in psychosis using optical coherence tomography: Choroidal and macular thickness. 2018 , 263, 158-161	22
605	Retinal Nerve Fiber Layer Thickness in Children With ADHD. 2018 , 22, 619-626	11
604	Exposing primary rat retina cell cultures to Frays: An in vitro model for evaluating radiation responses. 2018 , 166, 21-28	8
603	Amyloid-Beta-Related Angiitis with Distinctive Neuro-Ophthalmologic Features. 2018, 42, 237-241	3
602	Altered Macular Microvasculature in Mild Cognitive Impairment and Alzheimer Disease. 2018 , 38, 292-298	96
601	Complementary research models and methods to study axonal regeneration in the vertebrate retinofugal system. 2018 , 223, 545-567	13
600	Differential associations between retinal signs and CMBs by location: The AGES-Reykjavik Study. 2018 , 90, e142-e148	8
599	Retinal changes in patients with major depressive disorder - A controlled optical coherence tomography study. 2018 , 227, 665-671	17
598	Vasoconstriction and Impairment of Neurovascular Coupling after Subarachnoid Hemorrhage: a Descriptive Analysis of Retinal Changes. 2018 , 9, 284-293	7
597	Vision in laboratory rodents-Tools to measure it and implications for behavioral research. 2018 , 352, 172-182	25
596	Application of Optical Coherence Tomography in the Detection and Classification of Cognitive Decline. 2018 , 12, 10-18	11

(2018-2018)

595	Animal Model - Investigation of Laser Speckle Flowgraphy for Early Carotid Artery Stenosis Detection. 2018 ,	1
594	[Regular Paper] Texture Biomarkers of Alzheimer's Disease and Disease Progression in the Mouse Retina. 2018 ,	7
593	Investigating Multimodal Diagnostic Eye Biomarkers of Cognitive Impairment by Measuring Vascular and Neurogenic Changes in the Retina. 2018 , 9, 1721	25
592	Visual Features in Alzheimer's Disease: From Basic Mechanisms to Clinical Overview. 2018 , 2018, 2941783	24
591	Association of Retinal Nerve Fiber Layer Thickness With Brain Alterations in the Visual and Limbic Networks in Elderly Adults Without Dementia. 2018 , 1, e184406	16
590	Arginase 1 promotes retinal neurovascular protection from ischemia through suppression of macrophage inflammatory responses. 2018 , 9, 1001	26
589	Retinal Vascular Imaging in Vascular Cognitive Impairment: Current and Future Perspectives. 2018 , 12, 1179069518801291	7
588	DNMT1 and Sp1 competitively regulate the expression of BACE1 in A2E-mediated photo-oxidative damage in RPE cells. 2018 , 121, 59-68	5
587	Oculo-visual abnormalities in Parkinson's disease: Possible value as biomarkers. 2018 , 33, 1390-1406	39
586	Mitochondrial pathophysiology beyond the retinal ganglion cell: occipital GABA is decreased in autosomal dominant optic neuropathy. 2018 , 256, 2341-2348	2
585	Retinal and Cerebral Microvasculopathy: Relationships and Their Genetic Contributions. 2018 , 59, 5025-5031	11
584	Assembly and repair of eye-to-brain connections. 2018 , 53, 198-209	13
583	Bidirectional Microglia-Neuron Communication in Health and Disease. 2018 , 12, 323	189
582	Caspase-2 Mediates Site-Specific Retinal Ganglion Cell Death After Blunt Ocular Injury. 2018 , 59, 4453-4462	8
581	Retinal tissue hypoperfusion in patients with clinical Alzheimer's disease. 2018 , 5, 21	17
580	Systems pathology analysis identifies neurodegenerative nature of age-related vitreoretinal interface diseases. 2018 , 17, e12809	13
579	Guiding Lights in Genome Editing for Inherited Retinal Disorders: Implications for Gene and Cell Therapy. 2018 , 2018, 5056279	25
578	Circular RNA-ZNF609 regulates retinal neurodegeneration by acting as miR-615 sponge. 2018 , 8, 3408-3415	47

577	It's Never Too Early or Too Late-End the Epidemic of Alzheimer's by Preventing or Reversing Causation From Pre-birth to Death. 2018 , 10, 205	7
576	Plasma Concentrations of Lutein and Zeaxanthin, Macular Pigment Optical Density, and Their Associations With Cognitive Performances Among Older Adults. 2018 , 59, 1828-1835	18
575	Potential Utility of Retinal Imaging for Alzheimer's Disease: A Review. 2018 , 10, 188	38
574	Regulation of Brain-Derived Neurotrophic Factor and Growth Factor Signaling Pathways by Tyrosine Phosphatase Shp2 in the Retina: A Brief Review. 2018 , 12, 85	18
573	Positions of Ocular Geometrical and Visual Axes in Brazilian, Chinese and Italian Populations. 2018 , 43, 1404-1414	7
572	Chlorogenic acids inhibit glutamate dehydrogenase and decrease intracellular ATP levels in cultures of chick embryo retina cells. 2018 , 155, 393-402	3
571	Emerging Applications of Optical Coherence Tomography Angiography (OCTA) in neurological research. 2018 , 5, 11	35
570	Outer Retinal Assessment Using Spectral-Domain Optical Coherence Tomography in Patients With Alzheimer's and Parkinson's Disease. 2018 , 59, 2768-2777	34
569	Retinal Microvascular Impairment in the Early Stages of Parkinson's Disease. 2018 , 59, 4115-4122	50
568	A visual attention guided unsupervised feature learning for robust vessel delineation in retinal images. 2018 , 44, 110-126	13
567	Levels of retinal IAPP are altered in Alzheimer's disease patients and correlate with vascular changes and hippocampal IAPP levels. 2018 , 69, 94-101	9
566	Near-infrared Fluorescence Ocular Imaging (NIRFOI) of Alzheimer's Disease. 2019 , 21, 35-43	15
565	Associations between recent and established ophthalmic conditions and risk of Alzheimer's disease. 2019 , 15, 34-41	64
564	Ocular amyloid imaging at the crossroad of Alzheimer's disease and age-related macular degeneration: implications for diagnosis and therapy. 2019 , 266, 1566-1577	16
563	Comparative Effect of Feeding Human Milk as Opposed to Formula on Visual Function and Ocular Anatomy. 2019 , 14, 493-498	1
562	Mercury in the retina and optic nerve following prenatal exposure to mercury vapor. 2019 , 14, e0220859	13
561	Examination of retinal vascular trajectory in schizophrenia and bipolar disorder. 2019 , 73, 738-744	14
560	Optic Nerve Regeneration: Considerations on Treatment of Acute Optic Neuropathy and End-Stage Disease. 2019 , 7, 11-20	7

5	559	MicroRNA-223 protects neurons from degeneration in experimental autoimmune encephalomyelitis. 2019 , 142, 2979-2995	32
5	;58	Inner retinal thinning as a biomarker for cognitive impairment in de novo Parkinson's disease. 2019 , 9, 11832	13
5	557	Differential Models in Cellular Functions. 2019 , 467-491	
5	56	Mitochondria as Potential Targets and Initiators of the Blue Light Hazard to the Retina. 2019 , 2019, 6435364	30
5	555	Retinal thickness as potential biomarker in posterior cortical atrophy and typical Alzheimer's disease. 2019 , 11, 62	23
5	554	Interplay Between Macular Retinal Changes and White Matter Integrity in Early Alzheimer's Disease. 2019 , 70, 723-732	5
5	553	Introduction. 2019 , 631-632	
5	552	Cellular Components and Functions: A Brief Overview. 2019 , 419-424	
5	51	Bibliography. 2019 , 805-817	
5	50	Retinal thickness as a potential biomarker in patients with amyloid-proven early- and late-onset Alzheimer's disease. 2019 , 11, 463-471	15
5	549	Increased intracranial pressure and macular thickening: is there a link?. 2019 , 12, 1052-1055	
5	5 48	Retinal Changes in Schizophrenia: A Systematic Review and Meta-analysis Based on Individual Participant Data. 2020 , 46, 27-42	13
5	547	Molecular signatures of retinal ganglion cells revealed through single cell profiling. 2019, 9, 15778	22
5	;46	Adult Goat Retinal Neuronal Culture: Applications in Modeling Hyperglycemia. 2019 , 13, 983	3
5	545	Postnatal Cerebral Hyperoxia Is Associated with an Increased Risk of Severe Retinopathy of Prematurity. 2019 , 116, 356-362	1
5	544	Deep learning based retinal OCT segmentation. 2019 , 114, 103445	65
5	543	Non-invasive in vivo hyperspectral imaging of the retina for potential biomarker use in Alzheimer's disease. 2019 , 10, 4227	77
5	542	Alzheimer's Disease Is Responsible for Progressive Age-Dependent Differential Expression of Various Protein Cascades in Retina of Mice. 2019 , 10, 2418-2433	4

541	Donation of mitochondria by iPSC-derived mesenchymal stem cells protects retinal ganglion cells against mitochondrial complex I defect-induced degeneration. 2019 , 9, 2395-2410	58
540	Computer Vision [ACCV 2018 Workshops. 2019 ,	3
539	Retinal texture biomarkers may help to discriminate between Alzheimer's, Parkinson's, and healthy controls. 2019 , 14, e0218826	24
538	OCT Segmentation via Deep Learning: A Review of Recent Work. 2019 , 316-322	1
537	An Association Between Large Optic Nerve Cupping and Cognitive Function. 2019, 206, 40-47	4
536	Glaucoma Related Ocular Structure and Function. 2019 , 1-31	
535	Swept source optical coherence tomography to early detect multiple sclerosis disease. The use of machine learning techniques. 2019 , 14, e0216410	19
534	Knock-Down of Causes Cell Cycle Arrest and Apoptosis of Neuronal Progenitor Cells. 2019 , 7, 67	6
533	Retinal layer thickness in preclinical Alzheimer's disease. 2019 , 97, 798-804	22
532	Retinal Nerve Fiber Layer Thinning Is Associated With Brain Atrophy: A Longitudinal Study in Nondemented Older Adults. 2019 , 11, 69	19
531	Concentration of microtubule associated protein tau (MAPT) in urine and saliva as a potential biomarker of traumatic brain injury in relationship with blood-brain barrier disruption in postmortem examination. 2019 , 301, 28-36	8
530	Textural information from the retinal nerve fibre layer in multiple sclerosis*. 2019,	5
529	Association between glaucoma and the risk of Alzheimer's disease: A systematic review of observational studies. 2019 , 97, 665-671	16
528	Retinal layers in Parkinson's disease: A meta-analysis of spectral-domain optical coherence tomography studies. 2019 , 64, 40-49	42
527	Low-Luminance Blue Light-Enhanced Phototoxicity in A2E-Laden RPE Cell Cultures and Rats. 2019 , 20,	15
526	Glaucoma as a dangerous interplay between ocular fluid and cerebrospinal fluid. 2019 , 127, 97-99	6
525	Racial differences in retinal neurodegeneration as a surrogate marker for cortical atrophy in multiple sclerosis. 2019 , 31, 141-147	5
524	Retinal Microvascular and Neurodegenerative Changes in Alzheimer's Disease and Mild Cognitive Impairment Compared with Control Participants. 2019 , 3, 489-499	97

523	Cohort profile: design and methods in the eye and vision consortium of UK Biobank. 2019, 9, e025077	31
522	Association of Cognitive Function with Amyloid-Land Tau Proteins in the Vitreous Humor. 2019, 68, 1429-1438	13
521	Integrated Lipidomics and Metabolomics Analysis of Tears in Multiple Sclerosis: An Insight into Diagnostic Potential of Lacrimal Fluid. 2019 , 20,	32
520	Parafoveal vessel loss and correlation between peripapillary vessel density and cognitive performance in amnestic mild cognitive impairment and early Alzheimer's Disease on optical coherence tomography angiography. 2019 , 14, e0214685	51
519	Alpha lipoic acid attenuates the long-term effects of lead exposure in retinal ischemic injury mouse model. 2019 , 26, 15548-15558	2
518	Retinal Bynuclein deposits in Parkinson's disease patients and animal models. 2019 , 137, 379-395	40
517	Cannabis use and human retina: The path for the study of brain synaptic transmission dysfunctions in cannabis users. 2019 , 106, 11-22	9
516	Resident Immunity in Tissue Repair and Maintenance: The Zebrafish Model Coming of Age. 2019 , 7, 12	15
515	Retinal Nerve Fiber Layer in Patients with Alcohol Use Disorder. 2019 , 9, 5331	2
514	Artificial intelligence and deep learning in retinal image analysis. 2019 , 379-404	3
513	Retinal thinning of inner sub-layers is associated with cortical atrophy in a mouse model of Alzheimer's disease: a longitudinal multimodal in vivo study. 2019 , 11, 90	16
512	A visually distinguishable light interfering bioresponsive silica nanoparticle hydrogel sensor fabricated through the molecular imprinting technique. 2019 , 7, 7120-7128	9
511	Choroidal Neovascularization: Mechanisms of Endothelial Dysfunction. 2019 , 10, 1363	21
510	Impression Cytology Is a Non-invasive and Effective Method for Ocular Cell Retrieval of Zika Infected Babies: Perspectives in OMIC Studies. 2019 , 12, 279	6
509	High level of pattern glare in major depressive disorder. 2019 , 19, 415	3
508	Reflections on the Utility of the Retina as a Biomarker for Alzheimer's Disease: A Literature Review. 2019 , 8, 57-72	20
507	Retinal Imaging for Neurological Diseases: "A Window into the Brain". 2019 , 59, 137-154	8
506	The Retina as a Window or Mirror of the Brain Changes Detected in Alzheimer's Disease: Critical Aspects to Unravel. 2019 , 56, 5416-5435	26

505	miR-30a-5p inhibition promotes interaction of Fas endothelial cells and FasL microglia to decrease pathological neovascularization and promote physiological angiogenesis. 2019 , 67, 332-344	9
504	Wnt Signaling in vascular eye diseases. 2019 , 70, 110-133	49
503	Association between increased retinal background noise and co-occurrent regular cannabis and alcohol use. 2019 , 89, 335-340	12
502	Spectral-Domain OCT Measurements in Alzheimer's Disease: A Systematic Review and Meta-analysis. 2019 , 126, 497-510	123
501	A Meta-analysis of Retinal Cytoarchitectural Abnormalities in Schizophrenia and Bipolar Disorder. 2020 , 46, 43-53	30
500	Optical coherence tomography angiography in preclinical Alzheimer's disease. 2020 , 104, 157-161	65
499	Correction of the Eye Fundus Blood Vessels Images. 2020 , 301-309	
498	Intelligent Information and Database Systems: Recent Developments. 2020,	2
497	Retinal functioning and reward processing in schizophrenia. 2020 , 219, 25-33	7
496	Retinal ganglion cells dysfunctions in schizophrenia patients with or without visual hallucinations. 2020 , 219, 47-55	14
495	Persistent remodeling and neurodegeneration in late-stage retinal degeneration. 2020, 74, 100771	33
494	People with current major depression resemble healthy controls on flash Electroretinogram indices associated with impairment in people with stabilized schizophrenia. 2020 , 219, 69-76	3
493	Retinal nerve fibre changes in sports-related repetitive traumatic brain injury. 2020, 48, 204-211	3
492	Retina thickness as a marker of neurodegeneration in prodromal lewy body disease. 2020 , 35, 349-354	13
491	The retinal nerve fiber layer as a window to the glymphatic system. 2020 , 188, 105593	1
490	Retinal vascular fractal dimension and cerebral blood flow, a pilot study. 2020 , 98, e63-e71	6
489	Levels of Retinal Amyloid-ICorrelate with Levels of Retinal IAPP and Hippocampal Amyloid-In Neuropathologically Evaluated Individuals. 2020 , 73, 1201-1209	21
488	Empirical Mode Decomposition-Based Filter Applied to Multifocal Electroretinograms in Multiple Sclerosis Diagnosis. 2019 , 20,	3

(2020-2020)

487	Association Between Microvascular Retinal Signs and Age-Related Hearing Loss in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). 2020 , 146, 152-159	3
486	Retinal sublayer defect is independently associated with the severity of hypertensive white matter hyperintensity. 2020 , 10, e01521	7
485	Retinal structural abnormalities in young adults with psychosis spectrum disorders. 2020 , 98, 109825	10
484	Retinal nerve fiber layer thickness is associated with hippocampus and lingual gyrus volumes in nondemented older adults. 2020 , 99, 109824	18
483	Developing robust biomarkers for vascular cognitive disorders: adding 'V' to the AT(N) research framework. 2020 , 33, 148-155	2
482	Longitudinal retinal layer changes in preclinical Alzheimer's disease. 2021 , 99, 538-544	6
481	Sex Does Not Influence Visual Outcomes After Blast-Mediated Traumatic Brain Injury but IL-1 Pathway Mutations Confer Partial Rescue. 2020 , 61, 7	3
480	Contractile pericytes determine the direction of blood flow at capillary junctions. 2020 , 117, 27022-27033	56
479	Association of ocular diseases with schizophrenia, bipolar disorder, and major depressive disorder: a retrospective case-control, population-based study. 2020 , 20, 486	2
478	Retinal biomarkers for Alzheimer's disease and vascular cognitive impairment and dementia (VCID): implication for early diagnosis and prognosis. 2020 , 42, 1499-1525	20
477	Therapeutic applications of chelating drugs in iron metabolic disorders of the brain and retina. 2020 , 98, 1889-1904	6
476	A modified fabrication procedure of retinal explant and optimized formulation of culture medium in a three-dimensional retinal culture system. 2020 , 344, 108860	O
475	Ocular findings in patients with attention deficit and hyperactivity. 2020 , 40, 3105-3113	O
474	Retinal Oxygen Delivery, Metabolism, and Extraction Fraction during Long-Term Bilateral Common Carotid Artery Occlusion in Rats. 2020 , 10, 10371	2
473	Molecular and Imaging Biomarkers in Alzheimer's Disease: A Focus on Recent Insights. 2020 , 10,	14
472	A Comparison of the Primary Sensory Neurons Used in Olfaction and Vision. 2020 , 14, 595523	4
471	Retinal Spheroids and Axon Pathology Identified in Amyotrophic Lateral Sclerosis. 2020, 61, 30	1
47º	Convolutional neural network to identify symptomatic Alzheimer's disease using multimodal retinal imaging. 2020 ,	10

469	Eye on the Enigmatic Link: Dysbiotic Oral Pathogens in Ocular Diseases; The Flip Side. 2021 , 40, 409-432	5
468	Central retina changes in Parkinson's disease: a systematic review and meta-analysis. 2021 , 268, 4646-4654	8
467	Combination of snapshot hyperspectral retinal imaging and optical coherence tomography to identify Alzheimer's disease patients. 2020 , 12, 144	9
466	Optical Coherence Tomography Angiography in Neurodegenerative Diseases: A Review. 2020 , 12, 73-87	19
465	Cellular Imprinting Proteomics Assay: A Novel Method for Detection of Neural and Ocular Disorders Applied to Congenital Zika Virus Syndrome. 2020 , 19, 4496-4515	5
464	Amyloid Beta Immunoreactivity in the Retinal Ganglion Cell Layer of the Alzheimer's Eye. 2020 , 14, 758	18
463	Sharing of Genetic Association Signals by Age-Related Macular Degeneration and Alzheimer's Disease at Multiple Levels. 2020 , 57, 4488-4499	2
462	Novel Acute Retinal Artery Ischemia and Reperfusion Model in Nonhuman Primates. 2020 , 51, 2568-2572	1
461	Characterization of retinal microvasculature and its relations to cognitive function in older people after circuit resistance training. 2020 , 142, 111114	1
460	Longitudinal effects of common carotid artery stenosis on ocular hemodynamics assessed using laser speckle flowgraphy in a rabbit model. 2020 , 10, 15829	1
459	Effect of age and sex on neurodevelopment and neurodegeneration in the healthy eye: Longitudinal functional and structural study in the Long-Evans rat. 2020 , 200, 108208	3
458	Study of retinal structure and function in patients with major depressive disorder, bipolar disorder or schizophrenia: A review of the literature. 2020 , 43, e157-e166	2
457	Silk fibroin safety in the eye: a review that highlights a concern. 2020 , 5, e000510	4
456	The Various Oximetric Techniques Used for the Evaluation of Blood Oxygenation. 2020 , 20,	16
455	Correlation between brain volume and retinal photoreceptor outer segment volume in normal aging and neurodegenerative diseases. 2020 , 15, e0237078	3
454	SARS-CoV-2 Targeting the Retina: Host-virus Interaction and Possible Mechanisms of Viral Tropism. 2020 , 28, 1301-1304	10
453	Alzheimer's Retinopathy: Seeing Disease in the Eyes. 2020 , 14, 921	24
452	The Retinal Inner Plexiform Synaptic Layer Mirrors Grey Matter Thickness of Primary Visual Cortex with Increased Amyloid Load in Early Alzheimer's Disease. 2020 , 2020, 8826087	3

(2020-2020)

451	Constituents of and Their Neuroprotective Effects in HT22 Hippocampal Neuronal, R28 Retinal Cells, and BV2 Microglial Cells. 2020 , 9,	О
450	Detection and Quantification of Retinal Neovascularization Using BrdU Incorporation. 2020, 9, 4	1
449	Injection Protects Retinal Ganglion Cells by Regulating the Nerve Growth Factor Signaling Pathway in Experimental Rat Traumatic Optic Neuropathy. 2020 , 2020, 2429843	О
448	Retinal dysfunctions in a patient with a clinical high risk for psychosis and severe visual disturbances: A single case report. 2021 , 15, 1784-1788	
447	Retinal ganglion cell degeneration correlates with hippocampal spine loss in experimental Alzheimer's disease. 2020 , 8, 216	10
446	Neurodegenerative Disorders of the Eye and of the Brain: A Perspective on Their Fluid-Dynamical Connections and the Potential of Mechanism-Driven Modeling. 2020 , 14, 566428	4
445	Innovative high-resolution microCT imaging of animal brain vasculature. 2020 , 225, 2885-2895	О
444	Ocular biomarkers for cognitive impairment in nonagenarians; a prospective cross-sectional study. 2020 , 20, 155	4
443	Retina-Targeted Delivery of 17Estradiol by the Topically Applied DHED Prodrug. 2020, 12,	3
442	Genetic polymorphisms of transient receptor potential melastatin 1 correlate with voriconazole-related visual adverse events. 2020 , 63, 579-587	O
441	SORLA Expression in Synaptic Plexiform Layers of Mouse Retina. 2020 , 57, 3106-3117	
440	Altered resting-state functional connectivity density in patients with neuromyelitis optica-spectrum disorders. 2020 , 43, 102187	3
439	Multimodal Coherent Imaging of Retinal Biomarkers of Alzheimer's Disease in a Mouse Model. 2020 , 10, 7912	11
438	Retinal Biomarkers of Alzheimer Disease. 2020 , 218, 337-341	10
437	Adaptive optics two-photon microscopy enables near-diffraction-limited and functional retinal imaging in vivo. 2020 , 9, 79	20
436	Characterization of the retinal changes of the 3∏g-AD mouse model of Alzheimer∃ disease. 2020 , 10, 875-883	1
435	The proteasome as a druggable target with multiple therapeutic potentialities: Cutting and non-cutting edges. 2020 , 213, 107579	32
434	Scattering Angle Resolved Optical Coherence Tomography Detects Early Changes in 3xTg Alzheimer's Disease Mouse Model. 2020 , 9, 18	4

433	Optical coherence tomography angiography as a potential screening tool for cerebral small vessel diseases. 2020 , 12, 73	22
432	Endothelial activation of caspase-9 promotes neurovascular injury in retinal vein occlusion. 2020 , 11, 3173	7
431	Macular Ganglion Cell-Inner Plexiform Layer as a Marker of Cognitive and Sensory Function in Midlife. 2020 , 75, e42-e48	3
430	Assessment of retinal vascular network in amnestic mild cognitive impairment by optical coherence tomography angiography. 2020 , 15, e0233975	17
429	Assessment of the Retina of Plp-Esyn Mice as a Model for Studying Synuclein-Dependent Diseases. 2020 , 61, 12	3
428	Optical Coherence Tomography Angiography in Neurodegenerative Disorders. 2020 , 9,	20
427	Matrix metalloproteinase 9-activatable peptide-conjugated hydrogel-based fluorogenic intraocular-lens sensor. 2020 , 162, 112254	7
426	Bynuclein overexpression in the retina leads to vision impairment and degeneration of dopaminergic amacrine cells. 2020 , 10, 9619	11
425	Retinal structural alterations in chronic versus first episode schizophrenia spectrum disorders. 2020 , 2, 100013	4
424	Effects of Hypertension, Diabetes, and Smoking on Age and Sex Prediction from Retinal Fundus Images. 2020 , 10, 4623	18
423	Antipsychotic agent-induced deterioration of the visual system in first-episode untreated patients with schizophrenia maybe self-limited: Findings from a secondary small sample follow-up study based on a pilot follow-up study. 2020 , 286, 112906	5
422	Retinal microvascular attenuation in mental cognitive impairment and Alzheimer's disease by optical coherence tomography angiography. 2020 , 98, e781-e787	35
421	New insights on the role of the retina in diagnostic and therapeutic strategies in major depressive disorder. 2020 , 113, 262-272	9
420	Transscleral Optical Phase Imaging of the Human Retina. 2020 , 14, 439-445	12
419	Structural and Microvascular Changes in the Macular Are Associated With Severity of White Matter Lesions. 2020 , 11, 521	7
418	Retinal Vascular Pathology in a Rat Model of Cerebral Small Vessel Disease. 2020 , 11, 533	O
417	Non-invasive optical imaging of retinal Alþlaques using curcumin loaded polymeric micelles in APP/PS1 transgenic mice for the diagnosis of Alzheimer's disease. 2020 , 8, 7438-7452	18
416	Computation of retinal fundus parameters for stroke prediction. 2020 , 8, 374-381	1

(2021-2020)

415	Improved Visual Outcomes. 2020 , 37, 1463-1480	11
414	Retinal Vascular Signs and Cerebrovascular Diseases. 2020 , 40, 44-59	19
413	A simple model to analyse the activation force in eyeball movements. 2020 , 93, 1	
412	Electroretinographic Abnormalities and Sex Differences Detected with Mesopic Adaptation in a Mouse Model of Schizophrenia: A and B Wave Analysis. 2020 , 61, 16	3
411	Staging Alzheimer's Disease in the Brain and Retina of B6.APP/PS1 Mice by Transcriptional Profiling. 2020 , 73, 1421-1434	7
410	Systematic Review on Fractal Dimension of the Retinal Vasculature in Neurodegeneration and Stroke: Assessment of a Potential Biomarker. 2020 , 14, 16	26
409	Relation of Retinal Oxygen Measures to Electrophysiology and Survival Indicators after Permanent, Incomplete Ischemia in Rats. 2020 , 11, 1273-1286	7
408	New players in basal ganglia dysfunction in Parkinson's disease. 2020 , 252, 307-327	2
407	Study of Usutu virus neuropathogenicity in mice and human cellular models. 2020 , 14, e0008223	12
406	Utility of LysM-cre and Cdh5-cre Driver Mice in Retinal and Brain Research: An Imaging Study Using tdTomato Reporter Mouse. 2020 , 61, 51	6
405	Arginase Pathway in Acute Retina and Brain Injury: Therapeutic Opportunities and Unexplored Avenues. 2020 , 11, 277	15
404	Altered coupling of cerebral blood flow and functional connectivity strength in visual and higher order cognitive cortices in primary open angle glaucoma. 2021 , 41, 901-913	11
403	Defects of full-length dystrophin trigger retinal neuron damage and synapse alterations by disrupting functional autophagy. 2021 , 78, 1615-1636	5
402	Optical coherence tomography angiography findings in Huntington's disease. 2021 , 42, 995-1001	2
401	Oscillatory potentials abnormalities in regular cannabis users: Amacrine cells dysfunction as a marker of central dopaminergic modulation. 2021 , 108, 110083	О
400	Retinal changes in Alzheimer's disease- integrated prospects of imaging, functional and molecular advances. 2021 , 82, 100899	25
399	Choroidal Structural Analysis in Alzheimer Disease, Mild Cognitive Impairment, and Cognitively Healthy Controls. 2021 , 223, 359-367	9
398	Retinal structural changes in mood disorders: The optical coherence tomography to better understand physiopathology?. 2021 , 108, 110080	1

397	Automatic fundus image quality assessment on a continuous scale. 2021 , 129, 104114	3
396	Retinal Imaging Findings in Carriers With PSEN1-Associated Early-Onset Familial Alzheimer Disease Before Onset of Cognitive Symptoms. 2021 , 139, 49-56	4
395	Traumatic Optic Nerve Injury Elevates Plasma Biomarkers of Traumatic Brain Injury in a Porcine Model. 2021 , 38, 1000-1005	1
394	Optical coherence tomography and neurodegeneration in epilepsy. 2021 , 31, 252-257	3
393	Optical Coherence Tomography in Patients with Alzheimer's Disease: What Can It Tell Us?. 2021 , 13, 1-20	9
392	Gene therapy with caspase-3 small interfering RNA-nanoparticles is neuroprotective after optic nerve damage. 2021 , 16, 2534-2541	O
391	Assessment of the Effect of Attention-Deficit Hyperactivity Disorder on Choroidal Thickness Using Spectral Domain Optical Coherence Tomography 2021 , 6, 161-165	О
390	Macula Structure and Microvascular Changes in Recent Small Subcortical Infarct Patients. 2020 , 11, 615252	1
389	Optical Coherence Tomography findings in patients with Multiple Substance Use Disorder. 2021 , 40, 37-44	1
388	Retina as a window to cerebral dysfunction following studies with circRNA signature during neurodegeneration. 2021 , 11, 1814-1827	4
387	Absence of Uptake and Prion-Like Spreading of Alpha-Synuclein and Tau After Intravitreal Injection of Preformed Fibrils. 2020 , 12, 614587	3
386	The application of optical coherence tomography angiography in Alzheimer's disease: A systematic review. 2021 , 13, e12149	7
385	Denser Retinal Microvascular Network Is Inversely Associated With Behavioral Outcomes and Sustained Attention in Children. 2021 , 12, 547033	1
384	Feasibility study for detection of retinal amyloid in clinical trials: The Anti-Amyloid Treatment in Asymptomatic Alzheimer's Disease (A4) trial. 2021 , 13, e12199	6
383	Retinal Neurodegeneration in Diabetic Peripheral Neuropathy by Optical Coherence Tomography: A Systematic Review and Meta-analysis. 2021 , 46, 1201-1208	1
382	The Retinal Vessel Density Can Reflect Cognitive Function in Patients with Alzheimer's Disease: Evidence from Optical Coherence Tomography Angiography. 2021 , 79, 1307-1316	9
381	Expression of Lymphatic Markers in the Berger's Space and Bursa Premacularis. 2021 , 22,	3
380	Reduced Superficial Capillary Density in Cerebral Infarction Is Inversely Correlated With the NIHSS Score. 2021 , 13, 626334	4

379	Taurine and oxidative stress in retinal health and disease. 2021 , 27, 403-412	10
378	Retina and Brain Display Early and Differential Molecular and Cellular Changes in the 3xTg-AD Mouse Model of Alzheimer's Disease. 2021 , 58, 3043-3060	2
377	Multimodal Retinal Imaging for Detection of Ischemic Stroke. 2021, 13, 615813	2
376	Characterization of Retinal Microvascular and Choroidal Structural Changes in Parkinson Disease. 2021 , 139, 182-188	24
375	Inhalable Thioflavin S for the Detection of Amyloid Beta Deposits in the Retina. 2021, 26,	5
374	Antioxidant-Loaded Mucoadhesive Nanoparticles for Eye Drug Delivery: A New Strategy to Reduce Oxidative Stress. 2021 , 9, 379	4
373	Use of XyCAM RI for Noninvasive Visualization and Analysis of Retinal Blood Flow Dynamics During Clinical Investigations. 2021 , 18, 225-237	3
372	Gender-Related Variability in Information Processing of Disclosure Documents. 2021 , 44, 217-233	
371	Subclinical anterior optic pathway involvement in early multiple sclerosis and clinically isolated syndromes. 2021 , 144, 848-862	3
370	Identifying Peripapillary Radial Capillary Plexus Alterations in Parkinson's Disease Using OCT Angiography. 2021 ,	3
369	Quantitative assessment of retinal thickness and vessel density using optical coherence tomography angiography in patients with Alzheimer's disease and glaucoma. 2021 , 16, e0248284	5
368	Impacts of high fat diet on ocular outcomes in rodent models of visual disease. 2021 , 204, 108440	7
367	Ophthalmic conditions associated with dementia risk: The Cardiovascular Health Study. 2021 , 17, 1442-1451	0
366	ROSE: A Retinal OCT-Angiography Vessel Segmentation Dataset and New Model. 2021 , 40, 928-939	40
365	Altered Visual Function in a Larval Zebrafish Knockout of Neurodevelopmental Risk Gene pdzk1. 2021 , 62, 29	0
364	Thalamic, Amygdalar, and hippocampal nuclei morphology and their trajectories in first episode psychosis: A preliminary longitudinal study. 2021 , 309, 111249	2
363	Teratogenic and Neurotoxic Effects of n-Butanol on Zebrafish Development. 2021 , 33, 94-106	3
362	Retinal dysfunctions in regular tobacco users: The retina as a window to the reward circuit in addictive disorders. 2021 , 136, 351-357	2

361	Reduced Retinal Microvascular Perfusion in Patients With Stroke Detected by Optical Coherence Tomography Angiography. 2021 , 13, 628336	4
360	Computer Vision for Brain Disorders Based Primarily on Ocular Responses. 2021 , 12, 584270	O
359	Exploring the role of macular thickness as a potential early biomarker of neurodegeneration in acute schizophrenia. 2021 , 41, 2737-2746	1
358	Potency of SARS-CoV-2 on Ocular Tissues.	
357	Delayed on- and off-retinal responses of cones pathways in regular cannabis users: An On-Off flash electroretinogram case-control study. 2021 , 136, 312-318	2
356	Retinal glial remodeling by FGF21 preserves retinal function during photoreceptor degeneration. 2021 , 24, 102376	4
355	Tissue fixation effects on human retinal lipid analysis by MALDI imaging and LC-MS/MS technologies.	
354	On the quantitative effects of compression of retinal fundus images on morphometric vascular measurements in VAMPIRE. 2021 , 202, 105969	1
353	Optic Nerve Parameters and Cognitive Function in the Northern Finland Birth Cohort Eye Study. 2021 , 1-9	
352	Longitudinal normative OCT retinal thickness data for wild-type mice, and characterization of changes in the 3IIg-AD mice model of Alzheimer's disease. 2021 , 13, 9433-9454	1
351	Development and validation of a deep learning algorithm using fundus photographs to predict 10-year risk of ischemic cardiovascular diseases among Chinese population.	О
350	Proteomic analysis of aged and OPTN E50K retina in the development of normal tension glaucoma. 2021 , 30, 1030-1044	1
349	Light Environment Influences Developmental Programming of the Metabolic and Visual Systems in Mice. 2021 , 62, 22	2
348	Long-term effects of human induced pluripotent stem cell-derived retinal cell transplantation in Pde6b knockout rats. 2021 , 53, 631-642	5
347	Genetic Determinants Highlight the Existence of Shared Etiopathogenetic Mechanisms Characterizing Age-Related Macular Degeneration and Neurodegenerative Disorders. 2021 , 12, 626066	6
346	Live Neuroimaging Reveals the Transport of Lipophilic Cargo Through the Blood-Retina Barrier with Modified Amphiphilic Poly-N-Vinylpyrrolidone Nanoparticles. 2021 , 17, 846-858	2
345	Association of Retinal Changes With Alzheimer Disease Neuroimaging Biomarkers in Cognitively Normal Individuals. 2021 , 139, 548-556	9
344	Associations Between Retinal Artery/Vein Occlusions and Risk of Vascular Dementia. 2021 , 81, 245-253	O

343	Harnessing Astrocytes and M[ler Glial Cells in the Retina for Survival and Regeneration of Retinal Ganglion Cells. 2021 , 10,	О
342	Retinal imaging in Alzheimer's disease. 2021 , 92, 983-994	7
341	Current and novel multi-imaging modalities to assess retinal oxygenation and blood flow. 2021 , 35, 2962-297	'2 o
340	Lymphatics in Eye Fluid Homeostasis: Minor Contributors or Significant Actors?. 2021, 10,	1
339	Neuroprotective effects of bone marrow Sca-1 cells against age-related retinal degeneration in OPTN E50K mice. 2021 , 12, 613	1
338	Optical coherence tomography angiography in Alzheimer's disease: a systematic review and meta-analysis. 2021 ,	1
337	A Systematic Review and Meta-Analysis of Retinal Microvascular Features in Alzheimer's Disease. 2021 , 13, 683824	1
336	Reduced macular thickness and macular vessel density in early-treated adult patients with PKU. 2021 , 27, 100767	2
335	Baicalein, Baicalin, and Wogonin: Protective Effects against Ischemia-Induced Neurodegeneration in the Brain and Retina. 2021 , 2021, 8377362	11
334	Cerebral Modifications in Glaucoma and Macular Degeneration: Analysis of Current Evidence in Literature and Their Implications on Therapeutic Perspectives. 2021 , 13, 159-173	Ο
333	Caspase-9: A Multimodal Therapeutic Target With Diverse Cellular Expression in Human Disease. 2021 , 12, 701301	10
332	Decreased Glucose Metabolism and Glutamine Synthesis in the Retina of a Transgenic Mouse Model of Alzheimer's Disease. 2021 , 1	1
331	Vision Impairment and Adverse Health Conditions in Congolese Older People: A Population-Based Study. 2021 , 1-10	
330	Portable light therapy in the treatment of unipolar non-seasonal major depressive disorder: study protocol for the LUMIDEP randomised controlled trial. 2021 , 11, e049331	2
329	Association between retinal vascular caliber and brain structure in schizophrenia. 2021, 61, 102707	2
328	Detection and classification of multi-scale retinal junctions using region-based CNN. 1	
327	Deep Learning-Based Retinal Nerve Fiber Layer Thickness Measurement of Murine Eyes. 2021 , 10, 21	1
326	Current Perspective on Retinal Migraine. 2021 , 5,	1

325	The Chx10-Traf3 Knockout Mouse as a Viable Model to Study Neuronal Immune Regulation. 2021 , 10,	1
324	Deep learning algorithm using fundus photographs for 10-year risk assessment of ischemic cardiovascular diseases in China. 2021 , 67, 17-17	1
323	InVision: An optimized tissue clearing approach for three-dimensional imaging and analysis of intact rodent eyes. 2021 , 24, 102905	1
322	Possible roles of anti-type II collagen antibody and innate immunity in the development and progression of diabetic retinopathy. 2021 , 1	Ο
321	Retinal Dysfunction in Alzheimer's Disease and Implications for Biomarkers. 2021 , 11,	1
320	Retinal Diseases and Parkinson Disease: A Population-Based Study. 2021 , 15, 679092	Ο
319	Visual Impairments Are Associated With Retinal Microvascular Density in Patients With Parkinson's Disease. 2021 , 15, 718820	1
318	Photoreceptor nanotubes mediate the in vivo exchange of intracellular material. 2021 , 40, e107264	7
317	Retinal Amyloid Imaging for Screening Alzheimer's Disease. 2021 , 83, 927-934	8
316	BIOFACE: A Prospective Study of Risk Factors, Cognition, and Biomarkers in a Cohort of Individuals with Early-Onset Mild Cognitive Impairment. Study Rationale and Research Protocols. 2021 , 83, 1233-1249	1
315	The Eye in Forensic Medicine: A Narrative Review. 2021 , 10, 486-494	1
314	Characterizing the Retinal Phenotype of the Thy1-h[A30P] 由 Mouse Model of Parkinson's Disease. 2021 , 15, 726476	Ο
313	Myeloid cells in retinal and brain degeneration. 2021,	0
312	Proteomics-Based Retinal Target Engagement Analysis and Retina-Targeted Delivery of 17Estradiol by the DHED Prodrug for Ocular Neurotherapy in Males. 2021 , 13,	O
311	Quantifying Retinal Microvascular Morphology in Schizophrenia Using Swept-Source Optical Coherence Tomography Angiography. 2021 ,	3
310	Retinal alterations in patients with Lafora disease. 2021 , 23, 101146	2
309	Research progress of multi-functional fluorescent probes for Alzheimer's disease monitoring. 2021 , 193, 109466	7
308	Prediction in treatment outcomes in multiple sclerosis: challenges and recent advances. 2021 , 17, 1187-1198	

307	Retinal vessel density correlates with cognitive function in older adults. 2021, 152, 111433	2
306	Complete evaluation of retinal function in Major Depressive Disorder: From central slowdown to hyperactive periphery. 2021 , 295, 453-462	2
305	The vessel density of the superficial retinal capillary plexus as a new biomarker in cerebral small vessel disease: an optical coherence tomography angiography study. 2021 , 42, 3615-3624	8
304	The App mouse retina is a site for preclinical Alzheimer's disease diagnosis and research. 2021 , 9, 6	9
303	Machine Learning Approaches in OCT: Application to Neurodegenerative Disorders. 2020, 507-521	1
302	GSK-3 Inhibitors: From the Brain to the Retina and Back Again. 2019 , 1185, 437-441	4
301	Biological Age Estimated from Retinal Imaging: A Novel Biomarker of Aging. 2019, 138-146	2
300	Comparative study of arsenic toxicosis and ocular pathology in wild muskrats (Ondatra zibethicus) and red squirrels (Tamiasciurus hudsonicus) breeding in arsenic contaminated areas of Yellowknife, Northwest Territories (Canada). 2020 , 248, 126011	3
299	Chronic Diabetes Complications: The Need to Move beyond Classical Concepts. 2020 , 31, 287-295	37
298	Mesenchymal stem cells protect retinal ganglion cells from degeneration via mitochondrial donation.	2
297	Staging Alzheimer disease in the brain and retina of B6.APP/PS1 mice by transcriptional profiling.	1
296	Microvascular changes at different stages of chronic kidney disease. 2021 , 23, 309-316	3
295	Temporal speckle-averaging of optical coherence tomography volumes for cellular resolution neuronal and vascular retinal imaging. 2019 , 6, 041105	14
294	Systems pharmacology identifies drug targets for Stargardt disease-associated retinal degeneration. 2013 , 123, 5119-34	52
293	Retinal blood flow in critical illness and systemic disease: a review. 2020 , 10, 152	4
292	Lutein and zeaxanthin: The possible contribution, mechanisms of action and implications of modern dietary intake for cognitive development in children 2, 8	1
291	Coherence gate shaping for wide field high-resolution in vivo retinal imaging with full-field OCT. 2020 , 11, 4928-4941	6
290	Active contour method for ILM segmentation in ONH volume scans in retinal OCT. 2018 , 9, 6497-6518	8

289	Simultaneous functional imaging of neuronal and photoreceptor layers in living human retina. 2019 , 44, 5671-5674	22
288	Optimized culture of retinal ganglion cells and amacrine cells from adult mice. 2020 , 15, e0242426	2
287	Assessment of intraocular pressure, macular thickness, retinal nerve fiber layer, and ganglion cell layer thicknesses: ocular parameters and optical coherence tomography findings in attention-deficit/hyperactivity disorder. 2020 , 42, 309-313	6
286	Novel Therapeutics in Glaucoma Management. 2018 , 16, 978-992	27
285	Deep Learning-Based Detection of Early Renal Function Impairment Using Retinal Fundus Images: Model Development and Validation. 2020 , 8, e23472	6
284	Is the Retina a Mirror of the Aging Brain? Aging of Neural Retina Layers and Primary Visual Cortex Across the Lifespan. 2019 , 11, 360	11
283	Behavioral Assessment of Visual Function via Optomotor Response and Cognitive Function via Y-Maze in Diabetic Rats. 2020 ,	5
282	Brain-derived neurotrophic factor in patients with advanced age-related macular degeneration. 2015 , 8, 991-5	8
281	Use of ocular biomarkers as a potential tool for early diagnosis of Alzheimer's disease. 2020 , 68, 555-561	14
280	Neurosteroids and oxysterols as potential therapeutic agents for glaucoma and Alzheimer's disease. 2018 , 8, 344-359	5
279	The Place of Optical Coherence Tomography in Patients with Obsessive Compulsive Disorder. 2019 , 51, 237-241	6
278	Correlation between the optic nerve pial diameter and radial peripapillary vascular changes in primary open-angle glaucoma. 2021 , 1	
277	Electroretinography and contrast sensitivity, complementary translational biomarkers of sensory deficits in the visual system of individuals with fragile X syndrome. 2021 , 13, 45	0
276	Impact of Blood Flow on Ocular Pathologies: Can Mathematical and Numerical Modeling Help Preventing Blindness?. 2016 , 311-319	
275	Systems pathology analysis identifies neurodegenerative nature of age-related retinal diseases.	
274	MicroRNA-223 protects neurons from degeneration in Experimental Autoimmune Encephalomyelitis.	
273	Mathematical Modeling of the Cerebrospinal Fluid Flow and Its Interactions. 2019, 497-540	1
272	In Vivo FF-SS-OCT Optical Imaging of Physiological Responses to Photostimulation of Human Photoreceptor Cells. 2019 , 181-194	1

(2020-2019)

271	Recent Developments of Retinal Image Analysis in Alzheimer Disease and Potential AI Applications. 2019 , 261-275	
270	Retinal changes in patients with mild cognitive impairment: An optical coherence tomography study. 2019 , 31, 126	
269	Modulation of post-traumatic immune response using anti-IL-1 therapy for improved visual outcomes: Anti-IL-1 improves post-traumatic visual outcomes.	
268	Characterization of the Retinal Changes of the 3xTg-AD Mouse Model of Alzheimer Disease. 2020 , 1816-182	1
267	Bynuclein in the retina leads to degeneration of dopamine amacrine cells impairing vision.	О
266	Identifying retinal layer endophenotypes for schizophrenia. 2020 , 220, 25-26	O
265	Optimized culture of retinal ganglion cells and amacrine cells from adult mice.	
264	Bio-Inspired Attentive Segmentation of Retinal OCT imaging.	
263	Deep Learning B ased Detection of Early Renal Function Impairment Using Retinal Fundus Images: Model Development and Validation (Preprint).	1
262	Progress in Pathophysiological Mechanism of Global Cerebral Ischemia-Reperfusion Injury. 2021 , 49-64	
261	Faim knockout leads to gliosis and late-onset neurodegeneration of photoreceptors in the mouse retina. 2021 ,	3
26 0	Retinal electrophysiology and transition to psychiatric disorders in subjects under the influence of cannabis. 2022 , 113, 110466	1
259	Transplanted Mouse Embryonic Stem Cell-Derived Retinal Ganglion Cells Integrate and Form Synapses in a Retinal Ganglion Cell-Depleted Mouse Model. 2021 , 62, 26	0
258	Retinal Age as a Predictive Biomarker for Mortality Risk.	1
257	Enhancing Task fMRI Preprocessing via Individualized Model-Based Filtering of Intrinsic Activity Dynamics.	
256	Seeing the Brain Through the Eye: What Is Next for Neuroimaging and Neurology Applications. 2020 , 55-82	O
255	Evaluation of Bedside Sonographic Measurement of Optic Nerve Sheath Diameter for Assessment of Raised Intracranial Pressure in Adult Head Trauma Patients. 2020 , 13, 190-195	O
254	The Use of Adaptive Optics Imaging for Clinical Trials. 2020 ,	

253	The role of retinal imaging in Alzheimer's disease. 2020 , 345-363	
252	Quantitative Methods in Ocular Fundus Imaging: Analysis of Retinal Microvasculature. 2020 , 157-174	
251	Bio-inspired Attentive Segmentation of Retinal OCT Imaging. 2020 , 1-10	
250	Introduction: Retina Imaging B ast and Present. 2020 , 1-5	
249	The Effect of Menopause on the Sexual Dimorphism in the Human Retina (Texture Analysis of Optical Coherence Tomography Data. 2020 , 344-357	
248	Adaptive optics two-photon microscopy for in vivo imaging of mouse retina. 2020,	
247	Comprehensive identification of fetal cis-regulatory elements in the human genome by single-cell multi-omics analysis.	0
246	Examination of optical coherence tomography findings in patients with methamphetamine use disorder. 2021 , 1-7	1
245	The AppNL-G-F mouse retina is a site for preclinical Alzheimer disease diagnosis and research.	
244	Global RNAseq of ocular cells reveals gene dysregulation in both asymptomatic and with Congenital Zika Syndrome infants exposed prenatally to Zika virus.	
243	Altered visual function in a larval zebrafish knockout of neurodevelopmental risk gene pdzk1.	
242	Retinal Vascular Measures from Diabetes Retinal Screening Photographs and Risk of Incident Dementia in Type 2 Diabetes: A GoDARTS Study.	
241	Retinal involvement in Alzheimer's disease (AD): evidence and current progress on the non-invasive diagnosis and monitoring of AD-related pathology using the eye. 2020 ,	2
240	[Retinal investigations in patients with major depressive disorder, bipolar disorder or schizophrenia: A review of the literature]. 2020 , 43, 586-597	
239	Early retinal inflammatory biomarkers in the middle cerebral artery occlusion model of ischemic stroke. 2016 , 22, 575-88	15
238	Endoplasmic Reticulum-Mitochondrial Cross-Talk in Neurodegenerative and Eye Diseases. 2019 , 11, 864-873	1
237	The gut microbiota in retinal diseases. 2021 , 214, 108867	4
236	Preclinical investigation of Pegylated arginase 1 as a treatment for retina and brain injury. 2021 , 348, 113923	2

235 [Neuroradiology for the Ophthalmologist]. **2021**,

234	Post-Illumination Pupil Response as a Biomarker for Cognition in Esynucleinopathies. 2021,	
233	Repeatability of peripapillary optical coherence tomography angiography in neurodegenerative disease. 2021 , 100075	0
232	Magnetic Resonance Imaging-Visible Perivascular Spaces in the Basal Ganglia Are Associated With the Diabetic Retinopathy Stage and Cognitive Decline in Patients With Type 2 Diabetes. 2021 , 13, 666495	1
231	Myelinosome Organelles in the Retina of R6/1 Huntington Disease (HD) Mice: Ubiquitous Distribution and Possible Role in Disease Spreading. 2021 , 22,	1
230	Common pathways in dementia and diabetic retinopathy: understanding the mechanisms of diabetes-related cognitive decline. 2021 ,	5
229	Neuroradiologie f⊞den Augenarzt. 2021 , 11, 375-399	
228	Tissue fixation effects on human retinal lipid analysis by MALDI imaging and LC-MS/MS technologies. 2021 , 56, e4798	
227	Effect of Corneal Tilt on the Determination of Asphericity. 2021 , 21,	O
226	Assessment of the lamina cribrosa in attention-deficit hyperactivity disorder. 2021 , 69, 3607-3611	
225	Enhancing task fMRI preprocessing via individualized model-based filtering of intrinsic activity dynamics 2021 , 247, 118836	О
224	Vascular Reactivity to Hypercapnia Is Impaired in the Cerebral and Retinal Vasculature in the Acute Phase After Experimental Subarachnoid Hemorrhage 2021 , 12, 757050	O
223	Radial peripapillary vessel density as early biomarker in preperimetric glaucoma and amnestic mild cognitive impairment 2022 , 1	О
222	Preservation of Retinal Function Through Synaptic Stabilization in Alzheimer's Disease Model Mouse Retina by Lycium Barbarum Extracts 2021 , 13, 788798	2
221	Altered retinal structure and function in Spinocerebellar ataxia type 3.	
220	Using retinal electrophysiology towards precision psychiatry 2022 , 1-11	1
219	Macular Microvasculature Is Associated With Total Cerebral Small Vessel Disease Burden in Recent Single Subcortical Infarction 2021 , 13, 787775	1
218	Choroidal thickness in eyes of migraine patients measured using spectral domain-optical coherence tomography: A meta-analysis 2022 ,	O

217	Retinal findings of COVID-19 patients using Ocular coherence tomography angiography two to three months after infection: Ocular appearance recovered COVID-19 patient 2022 , 102726		1
216	Risk of Retinal Disease in Patients with Bipolar Disorder: A Nationwide Cohort Study 2022,		O
215	Recent advancements toward non-invasive imaging of retinal amyloid-beta for early detection of Alzheimer's disease 2022 , 17, 1741-1742		О
214	Retinal age gap as a predictive biomarker for mortality risk 2022,		1
213	Artery vein classification in fundus images using serially connected U-Nets 2022 , 216, 106650		2
212	The impact of motion artifacts on quantitative optical coherence tomography angiography analysis in Parkinson's disease 2022 , 95, 57-58		1
211	Accumulation of systematic TPM1 mediates inflammation and neuronal remodeling by phosphorylating PKA and regulating the FABP5/NF-B signaling pathway in the retina of aged mice 2022, e13566		1
21 0	Retinal Degeneration: A Window to Understand the Origin and Progression of Parkinson's Disease?. 2021 , 15, 799526		O
209	Associations Between Retinal Nerve Fiber Layer and Ganglion Cell Layer in Middle Age and Cognition From Childhood to Adulthood 2022 ,		1
208	Alzheimer's Disease Seen through the Eye: Ocular Alterations and Neurodegeneration 2022 , 23,		2
207	Multimodal brain and retinal imaging of dopaminergic degeneration in Parkinson disease <i>Nature Reviews Neurology</i> , 2022 ,	15	4
206	Gata3 Silencing Is Involved in Neuronal Differentiation and Its Abnormal Expression Impedes Neural Activity in Adult Retinal Neurocytes 2022 , 23,		O
205	Deciphering the Retinal Epigenome during Development, Disease and Reprogramming: Advancements, Challenges and Perspectives 2022 , 11,		1
204	Retinal microvascular changes in white matter hyperintensities investigated by swept source optical coherence tomography angiography 2022 , 22, 77		O
203	The Value of Optical Coherence Tomography Angiography (OCT-A) in Neurological Diseases 2022 , 12,		6
202	Increased Susceptibility to Cerebral Microhemorrhages Is Associated With Imaging Signs of Microvascular Degeneration in the Retina in an Insulin-Like Growth Factor 1 Deficient Mouse Model of Accelerated Aging 2022 , 14, 788296		O
201	Association of Central Retinal Arteriolar and Venular Equivalents with Brain-aging and Macular Ganglion Cell-inner Plexiform Layer Thickness 2022 , 1-9		
200	Retinal age gap as a predictive biomarker of future risk of Parkinson's disease 2022 , 51,		2

199	A systematic survey of advances in retinal imaging modalities for Alzheimer's disease diagnosis 2022 , 1	O
198	Neurofilament light chain and retinal layers' determinants and association: A population-based study 2022 ,	1
197	Brain vasculature disturbance in schizophrenia 2022,	1
196	A novel maxillofacial technique to deliver drugs to the visual pathway, the optic nerve and the retina using the glymphatic system.	
195	Multimodal evaluation of an interphotoreceptor retinoid-binding protein-induced mouse model of experimental autoimmune uveitis 2022 ,	1
194	Retinal examination modalities in the early detection of Alzheimer's disease: Seeing brain through the eye. 2022 ,	
193	Retinal microvascular impairment in Parkinson's disease with cognitive dysfunction 2022, 98, 27-31	О
192	Retinal aging transcriptome and cellular landscape in association with the progression of age-related macular degeneration.	O
191	Alteration of Neural Pathways and Its Implications in Alzheimer's Disease 2022, 10,	О
190	Retinal nerve fiber layer thickness associated with specific brain region volumes in bipolar disorder 2022 ,	1
189	Human serum albumin in neurodegeneration 2022,	1
188	Piezo1 Is a Mechanosensor Channel in Central Nervous System Capillaries 2022 , 101161CIRCRESAHA122320	1847
187	A Reflection Upon the Contribution of Retinal and Cortical Electrophysiology to Time of Information Processing in Psychiatric Disorders 2022 , 13, 856498	
186	Global RNAseq of ocular cells reveals gene dysregulation in both asymptomatic and with Congenital Zika Syndrome infants exposed prenatally to Zika virus 2022 , 414, 113086	
185	Retinal electroretinogram features can detect depression state and treatment response in adults: A machine learning approach 2022 ,	1
184	Domain-specific trained model to auto grade AV Nicking severity level. 2022 , 76, 103642	
183	Funkcjonowanie poznawcze, zmiany gakoruchowe i oczne w przebiegu prawidbwego starzenia sill i procesu otpiennego typu alzheimerowskiego [przegld badal] 2021, 26, 21-37	
182	A Review of Interaction between Non-coding RNAs and Neurovascular Unit in Diabetic Retinopathy. 2021 ,	

181	Correlation Between Retinal Microvascular Abnormalities and Total Magnetic Resonance Imaging Burden of Cerebral Small Vessel Disease in Patients With Type 2 Diabetes 2021 , 15, 727998	0
180	Ocular Vascular Changes: Choroidal Thickness as an Early Biomarker for Alzheimer's Disease?. 2021 , 11,	
179	Reciprocal interactions between gut microbiota and autophagy 2021, 27, 8283-8301	1
178	Super-Resolution Imaging and Optomechanical Manipulation Using Optical Nanojet for Nondestructive Single-Cell Research. 2022 , 3, 2100233	1
177	Retinal Nerve Fiber Layer Thickness and Its Relationship With Executive Functions in Adult Attention Deficit Hyperactivity Disorder Patients. 2021 ,	
176	Choroidal Thickness Profile in Chorioretinal Diseases: Beyond the Macula 2021 , 8, 797428	О
175	Cholinesterase activity in the eye?. 2022 ,	
174	Retinal biomarkers of Cerebral Small Vessel Disease: A systematic review 2022 , 17, e0266974	О
173	Pathological Changes and Expression of JAK-STAT Signaling Pathway Hallmark Proteins in Rat Retinas at Different Time Points After Retinal Ischemia Reperfusion Injury 2022 , 28, 1610385	
172	Characterization of Macular Structural and Microvascular Changes in Thalamic Infarction Patients: A Swept-Source Optical Coherence Tomography Angiography Study. 2022 , 12, 518	О
171	Overexpression of Neuregulin-1 Type III Has Impact on Visual Function in Mice 2022 , 23,	
170	Data_Sheet_1.PDF. 2019 ,	
169	lmage_1.TIF. 2020 ,	
168	Image_2.TIF. 2020 ,	
167	lmage_3.TIF. 2020 ,	
166	Image_4.tif. 2020 ,	
165	lmage_5.tif. 2020 ,	
164	Table_1.docx. 2019 ,	

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163	Data_Sheet_1.pdf. 2019 ,	
162	Data_Sheet_2.pdf. 2019 ,	
161	Data_Sheet_3.pdf. 2019 ,	
160	Image_1.tif. 2019 ,	
159	lmage_2.TIF. 2019 ,	
158	Image_3.tif. 2019 ,	
157	lmage_4.tif. 2019 ,	
156	Data_Sheet_1.docx. 2020 ,	
155	Table_1.DOCX. 2020 ,	
154	Data_Sheet_1.PDF. 2018 ,	
153	Data_Sheet_2.PDF. 2018 ,	
152	Data_Sheet_3.PDF. 2018 ,	
151	Retinal parameters, cortical cerebral microinfarcts and their interaction with cognitive impairment 2022 , 17474930221097737	2
150	A Bayesian framework to integrate multi-level genome-scale data for Autism risk gene prioritization 2022 , 23, 146	
149	Advances in the development of new biomarkers for Alzheimer's disease 2022, 11, 25	2
148	Retinal Glutamate Neurotransmission: From Physiology to Pathophysiological Mechanisms of Retinal Ganglion Cell Degeneration. 2022 , 12, 638	1
147	Decreased Vessel Density in Retinal Capillary Plexus and Thinner Ganglion Cell Complex Associated With Cognitive Impairment 2022 , 14, 872466	1
146	Fundus Changes Evaluated by OCTA in Patients With Cerebral Small Vessel Disease and Their Correlations: A Cross-Sectional Study 2022 , 13, 843198	O

145	Retinal Microvascular Changes in Mild Cognitive Impairment and Alzheimer's Disease: A Systematic Review, Meta-Analysis, and Meta-Regression 2022 , 14, 860759	1
144	The electroretinogram b-wave amplitude: a differential physiological measure for Attention Deficit Hyperactivity Disorder and Autism Spectrum Disorder 2022 , 14, 30	1
143	Molecular Mechanisms Underlying the Therapeutic Role of Vitamin E in Age-Related Macular Degeneration. 2022 , 16,	4
142	Does Long-Duration Exposure to Microgravity Lead to Dysregulation of the Brain and Ocular Glymphatic Systems?. 2022 , 14, 49-58	O
141	Retinal layers and associated clinical factors in schizophrenia spectrum disorders: a systematic review and meta-analysis 2022 ,	2
140	The cross-sectional and longitudinal relationship of diabetic retinopathy to cognitive impairment: a systematic review and meta-analysis 2022 ,	
139	Retinal changes in bipolar disorder as an endophenotype candidate: Comparison of OCT-detected retinal changes in patients, siblings, and healthy controls 2022 , 313, 114606	1
138	Evaluating the Brain Aging Through Eyes: The Potential Use of Hyperspectral Imaging Cameras to Diagnose Alzheimer Disease Risk. 2022 , 389-402	
137	A lightweight deep learning model for automatic segmentation and analysis of ophthalmic images. 2022 , 12,	
136	Do Oral Pathogens Inhabit the Eye and Play a Role in Ocular Diseases?. 2022 , 11, 2938	O
136 135	Do Oral Pathogens Inhabit the Eye and Play a Role in Ocular Diseases?. 2022 , 11, 2938 Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022 , 170, 105774	0
135	Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022 , 170, 105774	
135	Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022 , 170, 105774 Retinal Changes in Panic Disorder Patients. 2022 , 111496	0
135 134 133	Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022 , 170, 105774 Retinal Changes in Panic Disorder Patients. 2022 , 111496 Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis. 2022 , 9, e1180	2
135 134 133	Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022, 170, 105774 Retinal Changes in Panic Disorder Patients. 2022, 111496 Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis. 2022, 9, e1180 Artificial Intelligence in Predicting Systemic Parameters and Diseases From Ophthalmic Imaging. 4, The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of	2
135 134 133 132	Altered retinal structure and function in Spinocerebellar ataxia type 3. 2022, 170, 105774 Retinal Changes in Panic Disorder Patients. 2022, 111496 Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis. 2022, 9, e1180 Artificial Intelligence in Predicting Systemic Parameters and Diseases From Ophthalmic Imaging. 4, The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer disease: an exploratory analysis. 2022, 14, Phase-Sensitive Measurements of Depth-Dependent Signal Transduction in the Inner Plexiform	2 0

127	Transcorneal electrical stimulation enhances cognitive functions in aged and 5XFAD mouse models.	1
126	Retinal Vascular Study Using OCTA in Subjects at High Genetic Risk of Developing Alzheimer Disease and Cardiovascular Risk Factors. 2022 , 11, 3248	2
125	Mass spectrometry-based retina proteomics.	
124	Toward the Noninvasive Diagnosis of Alzheimer Disease: Molecular Basis for the Specificity of Curcumin for Fibrillar Amyloid-	1
123	Linear interactions between intraocular, intracranial pressure, and retinal vascular pulse amplitude in the fourier domain. 2022 , 17, e0270557	1
122	Retinal thinning in people with well-controlled HIV infection. 2022, Publish Ahead of Print,	
121	Near-Infrared Fluorescent Probes as Imaging and Theranostic Modalities for Amyloid-Beta and Tau Aggregates in Alzheimer Disease. 2022 , 65, 8550-8595	О
120	Mapping Retinal Abnormalities in Psychosis: Meta-analytical Evidence for Focal Peripapillary and Macular Reductions.	1
119	Visual electrophysiology and neuropsychology in bipolar disorders: a review on current state and perspectives. 2022 , 104764	
118	Retinal Neurovascular Changes in Patients With Ischemic Stroke Investigated by Optical Coherence Tomography Angiography. 14,	o
117	Temporal single cell atlas of non-neuronal retinal cells reveals dynamic, coordinated multicellular responses to central nervous system injury.	0
116	Application of Diffusion Tensor Imaging (DTI) in the Diagnosis of HIV-Associated Neurocognitive Disorder (HAND): A Meta-Analysis and a System Review. 13,	0
115	Siponimod exerts neuroprotective effects on the retina and higher visual pathway through neuronal S1PR1 in experimental glaucoma. 2023 , 18,	1
114	Regenerative Strategies for Retinal Neurons: Novel Insights in Non-Mammalian Model Organisms. 2022 , 23, 8180	
113	Alzheimer disease: a scoping review of biomarker research and development for effective disease diagnosis.	0
112	Deep-learning retinal vessel calibre measurements and risk of cognitive decline and dementia. 2022 , 4,	0
111	A learning experience elicits sex-dependent neurogenomic responses in Bicyclus anynana butterflies.	
110	Improvement of Retinal Capillary Function After High-Speed Circuit Resistance Training in Healthy Older Adults. 2022 , Publish Ahead of Print,	0

109	Optical coherence tomography reveals retinal thinning in schizophrenia spectrum disorders.	1
108	Association between ADHD and vision problems. A systematic review and meta-analysis.	O
107	Potential diagnostic biomarkers for schizophrenia. 2022,	
106	Cell-associated Transcriptional Alterations in the Retinal of Alzheimer Disease.	
105	Amyotrophic lateral sclerosis and retinal changes in optical coherence tomography: A systematic review and meta-analysis.	0
104	Association between retinal vessel density and neuroimaging features and cognitive impairment in cerebral small vessel disease. 2022 , 221, 107407	0
103	Changes in macrophage-like cells characterized by en face optical coherence tomography after retinal stroke. 13,	0
102	Reserpine maintains photoreceptor survival in retinal ciliopathy by resolving proteostasis imbalance and ciliogenesis defects.	o
101	Longitudinal characterization of retinal vasculature alterations with optical coherence tomography angiography in a mouse model of tauopathy. 2022 , 224, 109240	O
100	Interleukin-4 activates divergent cell-intrinsic signals to regulate retinal cell proliferation induced by classical growth factors. 2022 , 123, 103780	o
99	Physiology-Based Simulation of the Retinal Vasculature Enables Annotation-Free Segmentation of OCT Angiographs. 2022 , 330-340	O
98	Chapter 11. Artificial Intelligence for Diabetes-related Complications: The Eye as a Window to the Systemic Health. 2022 , 305-345	0
97	Retinal Aging Transcriptome and Cellular Landscape in Association with the Progression of Age-Related Macular Degeneration.	0
96	MorphoMacro for in vivo and ex vivo quantitative morphometric analysis of microglia. 2022,	O
95	Detecting Autism Spectrum Disorder Using Spectral Analysis of Electroretinogram and Machine Learning: Preliminary results. 2022 ,	1
94	Hyalocyte functions and immunology. 2022 , 17, 249-262	2
93	Retinal vascular measures from diabetes retinal screening photographs and risk of incident dementia in type 2 diabetes: A GoDARTS study. 4,	0
92	Dysfunctional peroxisomal lipid metabolisms and their ocular manifestations. 10,	2

91	Biomarkers involved in the pathogenesis of cerebral small-vessel disease. 13,	О
90	Role of autophagy in the eye: from physiology to disease. 2022 , 100592	O
89	Effects of blood pressure and arterial stiffness on retinal neurodegeneration: Cross-sectional and longitudinal evidence from UK Biobank and Chinese cohorts.	О
88	Machine learning based on Optical Coherence Tomography images as a diagnostic tool for Alzheimer's disease.	2
87	Associations between thinner retinal neuronal layers and suboptimal brain structural integrity: Are the eyes a window to the brain?.	0
86	Ocular Lymphatic and Glymphatic Systems: Implications for Retinal Health and Disease. 2022 , 23, 10139	O
85	MIND diet lowers risk of open-angle glaucoma: the Rotterdam Study.	O
84	Hydrogen Sulfide Attenuates Neuroinflammation by Inhibiting the NLRP3/Caspase-1/GSDMD Pathway in Retina or Brain Neuron following Rat Ischemia/Reperfusion. 2022 , 12, 1245	O
83	Understanding the Tissue Specificity of ZIKV Infection in Various Animal Models for Vaccine Development. 2022 , 10, 1517	O
82	A deep learning model for detection of Alzheimer's disease based on retinal photographs: a retrospective, multicentre case-control study. 2022 ,	3
81	Metabolic signature of the ganglion cellinner plexiform layer thickness and the risks of mortality and morbidity: a population-based study in UK Biobank.	О
80	Correlation between retinal vessel rarefaction and psychometric measures in an older Southern Italian population. 14,	O
79	Total retinal thickness: a neglected factor in the evaluation of inner retinal thickness. 2022, 7, e001061	O
78	A peek at the window from the eye into the brain: potential use of OCT angiography in dementia. 1-3	Ο
77	Evaluation of retinal nerve fiber layer thickness in children with autism spectrum disorders. 2022 , 98, 102050	1
76	Retinal organoids from human-induced pluripotent stem cells: From studying retinal dystrophies to early diagnosis of Alzheimer and Parkinson disease. 2022 ,	O
75	SuperVessel: Segmenting High-Resolution Vessel from Low-Resolution Retinal Image. 2022 , 178-190	0
74	CERKL, a Retinal Dystrophy Gene, Regulates Mitochondrial Transport and Dynamics in Hippocampal Neurons. 2022 , 23, 11593	O

73	Numb regulates Tau levels and prevents neurodegeneration in tauopathy mouse models. 2022, 8,	0
72	Reduced Folate Carrier 1 is Present in Retinal Microvessels and Contributes to the Regulation of the Inner Blood Retinal Barrier in Health and Retinal Ischemia.	O
71	Differences in macular vessel density in the superficial plexus across cognitive impairment: the NORFACE cohort. 2022 , 12,	О
70	Retinal electrophysiological markers for precision medicine in psychiatry. 2022,	O
69	A CLINICAL STUDY OF RETINAL GANGLION CELL LAYER AND RETINAL NERVE FIBER LAYER CHANGES IN COGNITIVE DYSFUNCTION IN ELDERLY PATIENTS ATTENDING PSYCHIATRY OPD IN A TERTIARY HOSPITAL IN NORTHEAST BIHAR. 20-23	0
68	Microglial Hemoxygenase-1 Deletion Reduces Inflammation in the Retina of Old Mice with Tauopathy. 2022 , 11, 2151	О
67	Searching for Biomarkers in Proliferative Diabetic Retinopathy: Amphiregulin and Progranulin.	О
66	Association of cognitive function with Neurofilament light chain in the aqueous humor of human eye. 14,	O
65	Clinical Applications of Polarization-Sensitive Optical Coherence Tomography. 2023, 231-262	О
64	An Altered Neurovascular System in Aging-Related Eye Diseases. 2022 , 23, 14104	O
63	Risk of subsequent dementia or Alzheimer's disease among patients with age-related macular degeneration: A systematic review and meta-analysis. 2022 ,	0
62	Progress on Brain and Ocular Lymphatic System. 2022 , 2022, 1-8	1
61	Association of retinal thickness and microvasculature with cognitive performance and brain volumes in elderly adults. 14,	О
60	Variations of retinal dysfunctions with the level of cannabis use in regular users: Toward a better understanding of cannabis use pathophysiology. 13,	O
59	Multilevel X-ray imaging approach to assess the sequential evolution of multi-organ damage in multiple sclerosis. 2022 , 5,	О
58	Retinal microvascular and neuronal pathologies probedin vivoby adaptive optical two-photon fluorescence microscopy.	O
57	Optical coherence tomography în patients with Wilson disease: A´single center, prospective study.	О
56	Multi-modal retinal scanning to measure retinal thickness and peripheral blood vessels in multiple sclerosis. 2022 , 12,	O

55	3-Dimensional Immunostaining and Automated Deep-Learning Based Analysis of Nerve Degeneration. 2022 , 23, 14811	O
54	Retinal age gap as a predictive biomarker of stroke risk. 2022 , 20,	О
53	Phosphorylated tau in the retina correlates with tau pathology in the brain in Alzheimer disease and primary tauopathies.	O
52	Association of Brain Volume and Retinal Thickness in the Early Stages of Alzheimer Disease. 2022, 1-10	Ο
51	Decrease Retinal Thickness in Patients with Chronic Migraine Evaluated by Optical Coherence Tomography. 2023 , 13, 5	0
50	Application of Structural Retinal Biomarkers to Detect Cognitive Impairment in a Primary Care Setting. 2022 , 6, 749-755	O
49	Targeting immunoproteasome in neurodegeneration: A glance to the future. 2022 , 108329	О
48	Effects of Blood Pressure and Arterial Stiffness on Retinal Neurodegeneration: Cross-Sectional and Longitudinal Evidence From UK Biobank and Chinese Cohorts.	O
47	Tissue-specific sex difference in mouse eye and brain metabolome under fed and fasted states.	О
46	An Association between Large Optic Cupping and Total and Regional Brain Volume: The Women's Health Initiative. 2023 ,	O
45	Microvascular impairments detected by optical coherence tomography angiography in multiple sclerosis patients: A systematic review and meta-analysis. 16,	O
44	Optical coherence tomography and angiography in Alzheimer's disease and other cognitive disorders. 112067212211489	O
43	Human mini-brains for reconstituting central nervous system disorders.	О
42	Significant retinal microvascular impairments in multiple sclerosis assessed through optical coherence tomography angiography. 2023 , 70, 104505	O
41	Application of Deep Learning to Retinal-Image-Based Oculomics for Evaluation of Systemic Health: A Review. 2023 , 12, 152	1
40	An Expert System to Detect and Classify CNS Disorders Based on Eye Test Data Using SVM and Nature-Inspired Algorithms. 2023 , 182-194	O
39	Retinal nerve fiber layer thinning as a novel fingerprint for cardiovascular events: results from the prospective cohorts in UK and China. 2023 , 21,	0
38	Childhood Social Isolation as a Predictor of Retinal Neuronal Thickness in Middle Age: A Lifecourse Birth Cohort Study. 2023 , 85, 238-249	O

37	Associations Between Thinner Retinal Neuronal Layers and Suboptimal Brain Structural Integrity in a Middle-Aged Cohort. Volume 15, 25-35	0
36	Retinal microvascular and neuronal pathologies probed in vivo by adaptive optical two-photon fluorescence microscopy. 12,	O
35	The correlation of retinal neurodegeneration and brain degeneration in patients with Alzheimer disease using optical coherence tomography angiography and MRI. 15,	0
34	Embryonic mercury exposure in zebrafish: Alteration of metabolites and gene expression, related to visual and behavioral impairments. 2023 , 256, 114862	Ο
33	Choroidal structural analysis in ultra-high risk and first-episode psychosis. 2023, 70, 72-80	0
32	Choroidal structural alterations and choroidal vascularity index in bipolar disorder patients. 2023 , 42, 103518	O
31	The Absence of FAIM Leads to a Delay in Dark Adaptation and Hampers Arrestin-1 Translocation upon Light Reception in the Retina. 2023 , 12, 487	0
30	Immunotherapy with Cleavage-Specific 12A12mAb Reduces the Tau Cleavage in Visual Cortex and Improves Visuo-Spatial Recognition Memory in Tg2576 AD Mouse Model. 2023 , 15, 509	O
29	Comparison of Retinal Structural and Neurovascular Changes between Patients with and without Amyloid Pathology. 2023 , 12, 1310	0
28	Retinal Venule Coverage by Pericytes Decreases in Multiparous Mice in a Time-Dependent Manner Post-Delivery. 2023 , 24, 3967	O
27	Eye-brain connections revealed by multimodal retinal and brain imaging genetics in the UK Biobank.	0
26	The Use of Optical Coherence Tomography and Electrophysiological Tests in the Early Diagnosis of Inflammatory Changes in the CNS in children with ASDA Review of Contemporary Literature. 2023 , 20, 3591	O
25	Through the eyes into the brain, using artificial intelligence. 2023 , 52, 88-95	1
24	Optical Coherence Tomography: Retinal Imaging Contributes to the Understanding of Brain Pathology in Classical Galactosemia. 2023 , 12, 2030	O
23	Retinal Alterations as Potential Biomarkers of Structural Brain Changes in Alzheimer Disease Spectrum Patients. 2023 , 13, 460	0
22	Tissue-Specific Sex Difference in Mouse Eye and Brain Metabolome Under Fed and Fasted States. 2023 , 64, 18	O
21	Associations of pre- and postnatal exposures with optic nerve status in young adults.	0
20	A learning experience elicits sex-dependent neurogenomic responses in Bicyclus anynana butterflies.	O

19	Cross-sectional and Longitudinal Impacts of Chronic Kidney Disease on Retinal Ageing: An International Multi-Country Analysis.	О
18	Retinal fingerprints of ALS in patients: Ganglion cell apoptosis and TDP-43/p62 misplacement. 15,	Ο
17	Associations of macular microvascular parameters with cerebral small vessel disease in rural older adults: A population-based OCT angiography study. 14,	O
16	Retinal layers and symptoms and inflammation in schizophrenia.	O
15	Retinal image-based artificial intelligence in detecting and predicting kidney diseases: Current advances and future perspectives. 20220070	O
14	Opening a window to the acutely injured brain: Simultaneous retinal and cerebral vascular monitoring in rats. 16,	0
13	Optical coherence tomography angiography measurements in Parkinson disease: A systematic review and meta-analysis.	O
12	Reserpine maintains photoreceptor survival in retinal ciliopathy by resolving proteostasis imbalance and ciliogenesis defects. 12,	O
11	Swept-Source Optical Coherence Tomography Thresholds in Differentiating Clinical Outcomes in a Real-World Cohort of Treatment-NaWe Multiple Sclerosis Patients. 2023 , 13, 591	0
10	Mercury intoxication and ophthalmic involvement: An update review. 5,	O
9	Optical coherence tomography angiography measurements in multiple sclerosis: a systematic review and meta-analysis. 2023 , 20,	O
8	Normal-Tension Glaucoma: A Glymphopathy?. Volume 15, 37-44	O
7	Clinical and biological correlates of optical coherence tomography findings in schizophrenia.	O
6	Distribution of Copper, Iron, and Zinc in the Retina, Hippocampus, and Cortex of the Transgenic APP/PS1 Mouse Model of Alzheimer Disease. 2023 , 12, 1144	O
5	Attention-Deficit/Hyperactivity Disorder Animal Model Presents Retinal Alterations and Methylphenidate Has a Differential Effect in ADHD versus Control Conditions. 2023 , 12, 937	O
4	Optical coherence tomography in patients with Wilson's disease.	0
3	A systematic review and meta-analysis of Optical coherence tomography studies in Schizophrenia, Bipolar disorder and Major depressive disorder. 1-16	О
2	Retinal Aging Transcriptome and Cellular Landscape in Association With the Progression of Age-Related Macular Degeneration. 2023 , 64, 32	O

Natural products: protective effects against ischemia-induced retinal injury. 14,

О