

# CITATION REPORT

List of articles citing

**Molecular basis of the inner blood-retinal barrier and its breakdown in diabetic macular edema and other pathological conditions**

**DOI: 10.1016/j.preteyeres.2013.02.001**

**Progress in Retinal and Eye Research, 2013, 34, 19-48.**

**Source:** <https://exaly.com/paper-pdf/55801688/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
486	Stiffness memory of EA.hy926 endothelial cells in response to chronic hyperglycemia. <b>2013</b> , 12, 96		24
485	Tear fluid proteomics multimarkers for diabetic retinopathy screening. <b>2013</b> , 13, 40		28
484	Ocriplasmin for diabetic retinopathy. <b>2013</b> , 13, 1741-7		12
483	[Statement of the German Ophthalmological Society, the Retina Society and the Professional Association of German Ophthalmologists: treatment of diabetic maculopathy (April 2013)]. <i>Klinische Monatsblatter Fur Augenheilkunde</i> , <b>2013</b> , 230, 614-28	0.8	8
482	The evolving treatment options for diabetic macular edema. <b>2013</b> , 2013, 689276		8
481	Quantitative changes in perifoveal capillary networks in patients with vascular comorbidities. <b>2013</b> , 54, 5175-85		17
480	High glucose alters retinal astrocytes phenotype through increased production of inflammatory cytokines and oxidative stress. <b>2014</b> , 9, e103148		46
479	Vasoinhibins regulate the inner and outer blood-retinal barrier and limit retinal oxidative stress. <b>2014</b> , 8, 333		18
478	Localization of angulin-1/LSR and tricellulin at tricellular contacts of brain and retinal endothelial cells in vivo. <b>2014</b> , 39, 1-8		53
477	Quantitative assessment of the human retinal microvasculature with or without vascular comorbidity. <b>2014</b> , 55, 8439-52		12
476	Diameters and wall-to-lumen ratio of retinal arterioles in patients with retinal vein occlusion before and after treatment with dexamethasone intravitreal implants. <b>2014</b> , 30, 573-9		5
475	Review of the latest treatments for proliferative diabetic retinopathy. <b>2014</b> , 9, 413-424		1
474	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. <i>Progress in Retinal and Eye Research</i> , <b>2014</b> , 43, 17-75	20.5	248
473	Vitrectomy for Diabetic Macular Edema. <b>2014</b> , 2, 167-174		3
472	Antioxidant drug therapy approaches for neuroprotection in chronic diseases of the retina. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 1865-86	6.3	43
471	Molecular analysis of blood-retinal barrier loss in the Akimba mouse, a model of advanced diabetic retinopathy. <i>Experimental Eye Research</i> , <b>2014</b> , 122, 123-31	3.7	49
470	Recent advances in ophthalmic molecular imaging. <b>2014</b> , 59, 393-413		23

469	Phenotypes and biomarkers of diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , <b>2014</b> , 41, 90-111	21.5	93
468	Caveolin-1 increases proinflammatory chemoattractants and blood-retinal barrier breakdown but decreases leukocyte recruitment in inflammation. <b>2014</b> , 55, 6224-34		21
467	<i>Klebsiella pneumoniae</i> induces an inflammatory response in an in vitro model of blood-retinal barrier. <b>2014</b> , 82, 851-63		6
466	Paraproteinemic maculopathy. <b>2014</b> , 121, 1925-32		21
465	Suppression of protein kinase C- $\delta$ attenuates vascular leakage via prevention of tight junction protein decrease in diabetic retinopathy. <b>2014</b> , 444, 63-8		14
464	Effects of topical indomethacin, bromfenac and nepafenac on lipopolysaccharide-induced ocular inflammation. <b>2014</b> , 66, 954-60		24
463	Nanomedicine for the Brain and the Eye: Disease Management in Poorly Accessible Compartments of the Body. <b>2014</b> , 223-248		4
462	Exendin-4 alleviates retinal vascular leakage by protecting the blood-retinal barrier and reducing retinal vascular permeability in diabetic Goto-Kakizaki rats. <i>Experimental Eye Research</i> , <b>2014</b> , 127, 104-16	3.7	41
461	OSSC1E-K19, a novel phytochemical component of <i>Osteomeles schwerinae</i> , prevents glycated albumin-induced retinal vascular injury in rats. <b>2015</b> , 12, 7279-84		1
460	Cost-effectiveness of ranibizumab versus aflibercept in the treatment of visual impairment due to diabetic macular edema: a UK healthcare perspective. <b>2015</b> , 7, 235-47		19
459	Effects of intravitreal injection of netrin-1 in retinal neovascularization of streptozotocin-induced diabetic rats. <b>2015</b> , 9, 6363-77		9
458	Protective effects of $\alpha/2$ adrenergic receptor deletion in a model of oxygen-induced retinopathy. <b>2014</b> , 56, 59-73		16
457	Astrocytes and Müller Cell Alterations During Retinal Degeneration in a Transgenic Rat Model of Retinitis Pigmentosa. <b>2015</b> , 9, 484		50
456	Tetramethylpyrazine Protects Retinal Capillary Endothelial Cells (TR-iBRB2) against IL-1 $\beta$ -Induced Nitritative/Oxidative Stress. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 21775-90	6.3	14
455	Decorin Prevents Retinal Pigment Epithelial Barrier Breakdown Under Diabetic Conditions by Suppressing p38 MAPK Activation. <b>2015</b> , 56, 2971-9		32
454	Monitoring the modifications of the vitreous humor metabolite profile after death: an animal model. <b>2015</b> , 2015, 627201		27
453	Diabetic retinopathy - ocular complications of diabetes mellitus. <b>2015</b> , 6, 489-99		233
452	Functional outcome of macular edema in different retinal disorders. <i>Progress in Retinal and Eye Research</i> , <b>2015</b> , 48, 119-36	20.5	22

451	Plasma Kallikrein-Kinin System as a VEGF-Independent Mediator of Diabetic Macular Edema. <b>2015</b> , 64, 3588-99		49
450	Palmitoylethanolamide treatment reduces retinal inflammation in streptozotocin-induced diabetic rats. <b>2015</b> , 769, 313-23		22
449	Characterizing spatial distributions of astrocytes in the mammalian retina. <b>2015</b> , 31, 2024-31		16
448	Intravitreal Steroids. <b>2015</b> ,		
447	Pathophysiology of Macular Edema: Results from Basic Research. <b>2015</b> , 1-15		
446	Retinal Glia. <b>2015</b> , 2, 1-644		2
445	A review of therapies for diabetic macular oedema and rationale for combination therapy. <b>2015</b> , 29, 1115-30		32
444	Receptor mediated disruption of retinal pigment epithelium function in acute glycated-albumin exposure. <i>Experimental Eye Research</i> , <b>2015</b> , 137, 50-6	3.7	18
443	The role of CTGF in diabetic retinopathy. <i>Experimental Eye Research</i> , <b>2015</b> , 133, 37-48	3.7	73
442	Protective effect of a Chinese Medicine formula He-Ying-Qing-Re Formula on diabetic retinopathy. <b>2015</b> , 169, 295-304		19
441	Efficacy and vitreous levels of topical NSAIDs. <b>2015</b> , 12, 1767-82		17
440	The Expression of GDF-15 in the Human Vitreous in the Presence of Retinal Pathologies with an Inflammatory Component. <b>2016</b> , 24, 178-83		1
439	Lenalidomide, an anti-tumor drug, regulates retinal endothelial cell function: Implication for treating ocular neovascular disorder. <b>2015</b> , 465, 678-84		6
438	Toxoplasma gondii dissemination: a parasite's journey through the infected host. <b>2015</b> , 37, 141-9		94
437	Colloidal drug delivery system: amplify the ocular delivery. <b>2016</b> , 23, 710-26		61
436	Plasma Kallikrein Mediates Vascular Endothelial Growth Factor-Induced Retinal Dysfunction and Thickening. <b>2016</b> , 57, 2390-9		17
435	Diabetic macular edema, retinopathy and age-related macular degeneration as inflammatory conditions. <b>2016</b> , 12, 1142-1157		28
434	Therapeutic effect of apatinib-loaded nanoparticles on diabetes-induced retinal vascular leakage. <b>2016</b> , 11, 3101-9		22

433	Efficacy and safety of sustained-delivery fluocinolone acetonide intravitreal implant in patients with chronic diabetic macular edema insufficiently responsive to available therapies: a real-life study. <b>2016</b> , 10, 1257-64		22
432	Diabetic Macular Edema Pathophysiology: Vasogenic versus Inflammatory. <b>2016</b> , 2016, 2156273		155
431	Key Molecular Mechanisms of Chaqinchengqi Decoction in Alleviating the Pulmonary Albumin Leakage Caused by Endotoxemia in Severe Acute Pancreatitis Rats. <b>2016</b> , 2016, 3265368		4
430	Cell-based in vitro models for ocular permeability studies. <b>2016</b> , 129-154		
429	Molecular Markers of Diabetic Retinopathy: Potential Screening Tool of the Future?. <b>2016</b> , 7, 200		54
428	Brain and Retinal Pericytes: Origin, Function and Role. <b>2016</b> , 10, 20		140
427	TNFSF15 Inhibits Blood Retinal Barrier Breakdown Induced by Diabetes. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	13
426	Neuroimmunological Implications of AQP4 in Astrocytes. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	64
425	Elevated concentration of cytokines in aqueous in post-vitreectomy eyes. <b>2016</b> , 44, 128-34		16
424	Into rather unexplored terrain-transcellular transport across the blood-brain barrier. <b>2016</b> , 64, 1097-123		90
423	Biochemical analysis of the living human vitreous. <b>2016</b> , 44, 597-609		49
422	In Vitro Cell Models for Ophthalmic Drug Development Applications. <b>2016</b> , 5, 94-108		45
421	Anatomical effects of dexamethasone intravitreal implant in diabetic macular oedema: a pooled analysis of 3-year phase III trials. <b>2016</b> , 100, 796-801		24
420	Basigin can be a therapeutic target to restore the retinal vascular barrier function in the mouse model of diabetic retinopathy. <b>2016</b> , 6, 38445		16
419	Diabetic Retinopathy. <b>2016</b> , 554-565		
418	Diabetic macular oedema: pathophysiology, management challenges and treatment resistance. <b>2016</b> , 59, 1594-608		31
417	Drug, delivery and devices for diabetic retinopathy (3Ds in DR). <b>2016</b> , 13, 1625-1637		11
416	Plasmalemma Vesicle-Associated Protein Has a Key Role in Blood-Retinal Barrier Loss. <b>2016</b> , 186, 1044-54		37

415	Novelties in Diabetic Retinopathy. <b>2016</b> , 31, 84-96	20
414	Diabetic retinal pigment epitheliopathy: fundus autofluorescence and spectral-domain optical coherence tomography findings. <b>2016</b> , 254, 1931-1940	6
413	Anti-Angiogenic Therapy in Ophthalmology. <b>2016</b> ,	3
412	Neurovascular cross talk in diabetic retinopathy: Pathophysiological roles and therapeutic implications. <b>2016</b> , 311, H738-49	79
411	Rethinking Nuclear Receptors as Potential Therapeutic Targets for Retinal Diseases. <b>2016</b> , 21, 1007-1018	7
410	Therapeutic Opportunities for Caffeine and A2A Receptor Antagonists in Retinal Diseases. <b>2016</b> , 55, 212-8	20
409	Regenerative Medicine - from Protocol to Patient. <b>2016</b> ,	
408	Lipoprotein-associated phospholipase A2 (Lp-PLA2) as a therapeutic target to prevent retinal vasopermeability during diabetes. <b>2016</b> , 113, 7213-8	40
407	THSD1 preserves vascular integrity and protects against intraplaque haemorrhaging in ApoE <sup>-/-</sup> mice. <b>2016</b> , 110, 129-39	19
406	Vorinostat Modulates the Imbalance of T Cell Subsets, Suppresses Macrophage Activity, and Ameliorates Experimental Autoimmune Uveoretinitis. <b>2016</b> , 18, 134-45	16
405	Modeling long-term diabetes and related complications in rats. <b>2016</b> , 78, 1-12	5
404	Pathophysiology and pharmacological targets of VEGF in diabetic macular edema. <b>2016</b> , 103, 149-57	35
403	Negatively charged silver nanoparticles cause retinal vascular permeability by activating plasma contact system and disrupting adherens junction. <b>2016</b> , 10, 501-11	17
402	Retinal Caveolin-1 Modulates Neuroprotective Signaling. <b>2016</b> , 854, 411-8	7
401	The progress in understanding and treatment of diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 51, 156-86	20.5 449
400	Macular thickening of uveitic eyes in the absence of macular oedema and epiretinal membranes. <b>2017</b> , 95, e77-e78	3
399	Mean Platelet Volume is Associated with Diabetic Macular Edema in Patients with Type-2 Diabetes Mellitus. <b>2017</b> , 32, 651-654	9
398	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. <b>2017</b> , 120, 179-206	214

397	Gene therapy for diabetic retinopathy: Are we ready to make the leap from bench to bedside?. <b>2017</b> , 173, 1-18		25
396	The role of patient's systemic characteristics and plateletcrit in developing toxic anterior segment syndrome after uneventful phaco surgery: A case-control study. <i>International Ophthalmology</i> , <b>2018</b> , 38, 43-52	2.2	4
395	New insights into the ameliorative effects of ferulic acid in pathophysiological conditions. <b>2017</b> , 103, 41-55		78
394	Report of 12-months efficacy and safety of intravitreal fluocinolone acetonide implant for the treatment of chronic diabetic macular oedema: a real-world result in the United Kingdom. <b>2017</b> , 31, 650-656		30
393	The Unique Paired Retinal Vessels of the Gray Short-Tailed Opossum ( <i>Monodelphis domestica</i> ) and Their Relationship to Astrocytes and Microglial Cells. <b>2017</b> , 300, 1391-1400		1
392	Roles of exosomes in the normal and diseased eye. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 59, 158-176.5		80
391	The pathology associated with diabetic retinopathy. <b>2017</b> , 139, 7-14		151
390	The application of optical coherence tomography angiography in retinal diseases. <b>2017</b> , 62, 838-866		72
389	Implication of VEGF and aquaporin 4 mediating Müller cell swelling to diabetic retinal edema. <b>2017</b> , 255, 1149-1157		13
388	Gradual Suppression of Transcytosis Governs Functional Blood-Retinal Barrier Formation. <b>2017</b> , 93, 1325-1333.83		83
387	Directional Fluid Transport across Organ-Blood Barriers: Physiology and Cell Biology. <b>2017</b> , 9,		17
386	Pharmacokinetic aspects of retinal drug delivery. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 57, 134-185.20.5		294
385	Beneficial effects of the Src inhibitor, dasatinib, on breakdown of the blood-retinal barrier. <b>2017</b> , 40, 197-203		8
384	The nanomechanical role of melanin granules in the retinal pigment epithelium. <b>2017</b> , 13, 801-807		13
383	Calcium influx through TRPV4 channels modulates the adherens contacts between retinal microvascular endothelial cells. <b>2017</b> , 595, 6869-6885		46
382	Dual contribution of TRPV4 antagonism in the regulatory effect of vaso-inhibins on blood-retinal barrier permeability: diabetic milieu makes a difference. <b>2017</b> , 7, 13094		20
381	Circular Noncoding RNA HIPK3 Mediates Retinal Vascular Dysfunction in Diabetes Mellitus. <b>2017</b> , 136, 1629-1642		305
380	Hyperhomocysteinemia Alters Retinal Endothelial Cells Barrier Function and Angiogenic Potential via Activation of Oxidative Stress. <b>2017</b> , 7, 11952		33

379	Nicotine promotes blood retinal barrier damage in a model of human diabetic macular edema. <b>2017</b> , 44, 182-189		15
378	Mfsd2a (Major Facilitator Superfamily Domain Containing 2a) Attenuates Intracerebral Hemorrhage-Induced Blood-Brain Barrier Disruption by Inhibiting Vesicular Transcytosis. <b>2017</b> , 6,		31
377	Diabetic retinopathy: Breaking the barrier. <b>2017</b> , 24, 229-241		66
376	IP receptor signaling and endothelial barrier function. <b>2017</b> , 74, 4189-4207		6
375	The Wnt Inhibitor Apcdd1 Coordinates Vascular Remodeling and Barrier Maturation of Retinal Blood Vessels. <b>2017</b> , 96, 1055-1069.e6		33
374	[Paraneoplastic serous retinopathies: hormones, mediators, and inhibitors]. <b>2017</b> , 114, 377-378		1
373	The inner blood-retinal barrier: Cellular basis and development. <b>2017</b> , 139, 123-137		116
372	Macular edema is a rare finding in untreated vitreoretinal lymphoma: small case series and review of the literature. <i>International Journal of Retina and Vitreous</i> , <b>2017</b> , 3, 15	2.9	11
371	Lipid nanoparticles (SLN, NLC): Overcoming the anatomical and physiological barriers of the eye - Part I - Barriers and determining factors in ocular delivery. <b>2017</b> , 110, 70-75		71
370	Diabetic macular oedema. <b>2017</b> , 5, 143-155		127
369	Effect of intravitreal dexamethasone implant on intra-ocular cytokines and chemokines in eyes with retinal vein occlusion. <b>2017</b> , 95, e119-e127		30
368	Caveolins and caveolae in ocular physiology and pathophysiology. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 56, 84-106	20.5	39
367	A multicenter, 12-month randomized study comparing dexamethasone intravitreal implant with ranibizumab in patients with diabetic macular edema. <b>2017</b> , 255, 463-473		50
366	Glucocorticoid-Induced Leucine Zipper Suppresses ICAM-1 and MCP-1 Expression by Dephosphorylation of NF- $\kappa$ B p65 in Retinal Endothelial Cells. <b>2017</b> , 58, 631-641		18
365	The Distribution of Leakage on Fluorescein Angiography in Diabetic Macular Edema: A New Approach to Its Etiology. <b>2017</b> , 58, 3986-3990		15
364	A Review: Proteomics in Retinal Artery Occlusion, Retinal Vein Occlusion, Diabetic Retinopathy and Acquired Macular Disorders. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	26
363	Cellular Reparative Mechanisms of Mesenchymal Stem Cells for Retinal Diseases. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	49
362	Ursodeoxycholic Acid Attenuates Endoplasmic Reticulum Stress-Related Retinal Pericyte Loss in Streptozotocin-Induced Diabetic Mice. <b>2017</b> , 2017, 1763292		24



361	Systemic Associations with Residual Subretinal Fluid after Ranibizumab in Diabetic Macular Edema. <b>2017</b> , 2017, 4834201	16
360	TNF $\beta$ -Induced Disruption of the Blood-Retinal Barrier In Vitro Is Regulated by Intracellular 3',5'-Cyclic Adenosine Monophosphate Levels. <b>2017</b> , 58, 3496-3505	23
359	Conditional Müller Cell Ablation Leads to Retinal Iron Accumulation. <b>2017</b> , 58, 4223-4234	18
358	What do Cochrane systematic reviews say about diabetic retinopathy?. <b>2017</b> , 135, 79-87	4
357	The Urokinase Receptor-Derived Peptide UPARANT Recovers Dysfunctional Electroretinogram and Blood-Retinal Barrier Leakage in a Rat Model of Diabetes. <b>2017</b> , 58, 3138-3148	13
356	Fibroblast Growth Factor 21 Protects Photoreceptor Function in Type 1 Diabetic Mice. <b>2018</b> , 67, 974-985	32
355	Diabetic macular oedema: under-represented in the genetic analysis of diabetic retinopathy. <b>2018</b> , 96 Suppl A111, 1-51	5
354	The NLRP3 Inflammasome May Contribute to Pathologic Neovascularization in the Advanced Stages of Diabetic Retinopathy. <b>2018</b> , 8, 2847	70
353	Impact of metabolic control on macular thickness in diabetic macular oedema. <b>2018</b> , 15, 165-168	10
352	Diagnostic Electron Microscopy of Retina. <b>2018</b> , 33, 700-710	
351	$\alpha$ Melanocyte-Stimulating Hormone Protects Early Diabetic Retina from Blood-Retinal Barrier Breakdown and Vascular Leakage via MC4R. <b>2018</b> , 45, 505-522	22
350	Suspended Scattering Particles in Motion: A Novel Feature of OCT Angiography in Exudative Maculopathies. <b>2018</b> , 2, 694-702	36
349	A novel and less invasive technique to assess cytokine profile of vitreous in patients of diabetic macular oedema. <b>2018</b> , 32, 820-829	12
348	The association between myocardial infarction and intravitreal bevacizumab injection. <i>Medicine (United States)</i> , <b>2018</b> , 97, e0198	1.8 6
347	Angiogenic and Immunologic Proteins Identified by Deep Proteomic Profiling of Human Retinal and Choroidal Vascular Endothelial Cells: Potential Targets for New Biologic Drugs. <b>2018</b> , 193, 197-229	14
346	PREDICTIVE VALUE OF OPTICAL COHERENCE TOMOGRAPHIC FEATURES IN THE BEVACIZUMAB AND RANIBIZUMAB IN PATIENTS WITH DIABETIC MACULAR EDEMA (BRDME) STUDY. <b>2018</b> , 38, 812-819	23
345	In vitro and ex vivo models to study drug delivery barriers in the posterior segment of the eye. <b>2018</b> , 126, 44-57	45
344	Association of Abnormal Renal Profiles and Proliferative Diabetic Retinopathy and Diabetic Macular Edema in an Asian Population With Type 2 Diabetes. <b>2018</b> , 136, 68-74	36

343	A compartmentalized microfluidic chip with crisscross microgrooves and electrophysiological electrodes for modeling the blood-retinal barrier. <b>2017</b> , 18, 95-105		38
342	The EPAC-Rap1 pathway prevents and reverses cytokine-induced retinal vascular permeability. <b>2018</b> , 293, 717-730		26
341	Mechanisms of macular edema: Beyond the surface. <i>Progress in Retinal and Eye Research</i> , <b>2018</b> , 63, 20-68	20.5	228
340	Utilization of Apatinib-Loaded Nanoparticles for the Treatment of Ocular Neovascularization. <b>2019</b> , 16, 153-163		10
339	Report on the National Eye Institute's Audacious Goals Initiative: Creating a Cellular Environment for Neuroregeneration. <b>2018</b> , 5,		7
338	Glucose affects cell viability, migration, angiogenesis and cellular adhesion of human retinal capillary endothelial cells via SPARC. <b>2019</b> , 17, 273-283		5
337	The Influence of Intravitreal Ranibizumab on Inflammation-associated Cytokine Concentrations in Eyes With Diabetic Macular Edema. <b>2018</b> , 59, 5382-5390		22
336	Specialized Pro-resolving Lipid Mediators: Modulation of Diabetes-Associated Cardio-, Reno-, and Retino-Vascular Complications. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1488	5.6	17
335	Lipofuscin-mediated photodynamic stress induces adverse changes in nanomechanical properties of retinal pigment epithelium cells. <b>2018</b> , 8, 17929		10
334	The repeatability of superficial retinal vessel density measurements in eyes with long axial length using optical coherence tomography angiography. <b>2018</b> , 18, 326		12
333	Spectral domain optical coherence tomography as an adjunctive tool for screening Behçet uveitis. <b>2018</b> , 13, e0208254		3
332	The Different Facades of Retinal and Choroidal Endothelial Cells in Response to Hypoxia. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	21
331	Chitosan: A Good Candidate for Sustained Release Ocular Drug Delivery Systems. <b>2018</b> ,		3
330	The role of plasmalemma vesicle-associated protein in pathological breakdown of blood-brain and blood-retinal barriers: potential novel therapeutic target for cerebral edema and diabetic macular edema. <b>2018</b> , 15, 24		37
329	Endothelial Cell-Specific Inactivation of TSPAN12 (Tetraspanin 12) Reveals Pathological Consequences of Barrier Defects in an Otherwise Intact Vasculature. <b>2018</b> , 38, 2691-2705		12
328	Pathophysiology of Diabetic Retinopathy: The Old and the New. <b>2018</b> , 42, 364-376		75
327	The "Frail" Brain Blood Barrier in Neurodegenerative Diseases: Role of Early Disruption of Endothelial Cell-to-Cell Connections. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	36
326	Sweet Stress: Coping With Vascular Dysfunction in Diabetic Retinopathy. <b>2018</b> , 9, 820		40

325	Therapeutic Effects of a Novel Phenylphthalimide Analog for Corneal Neovascularization and Retinal Vascular Leakage. <b>2018</b> , 59, 3630-3642		7
324	Neurodegeneration in diabetic retinopathy: does it really matter?. <b>2018</b> , 61, 1902-1912		201
323	Nogo-A inhibits vascular regeneration in ischemic retinopathy. <b>2018</b> , 66, 2079-2093		8
322	Retinoic acid signaling is essential for maintenance of the blood-retinal barrier. <i>FASEB Journal</i> , <b>2018</b> , 32, 5674-5684	0.9	9
321	Potential Interplay between Hyperosmolarity and Inflammation on Retinal Pigmented Epithelium in Pathogenesis of Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	28
320	Polarised VEGFA Signalling at Vascular Blood-Neural Barriers. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
319	A novel method to isolate retinal and brain microvessels from individual rats: Microscopic and molecular biological characterization and application in hyperglycemic animals. <b>2018</b> , 110, 24-30		5
318	Involvement of Advanced Glycation End Products in the Pathogenesis of Diabetic Retinopathy. <b>2018</b> , 48, 705-717		84
317	Treating Diabetic Macular Oedema (DMO): real world UK clinical outcomes for the 0.19mg Fluocinolone Acetonide intravitreal implant (Iluvien) at 2 years. <b>2018</b> , 18, 62		34
316	The Role of Angiogenesis in Coronary Artery Disease: A Double-Edged Sword: Intraplaque Angiogenesis in Physiopathology and Therapeutic Angiogenesis for Treatment. <b>2018</b> , 24, 451-464		10
315	Intravitreal pro-inflammatory cytokines in non-obese diabetic mice: Modelling signs of diabetic retinopathy. <b>2018</b> , 13, e0202156		25
314	Potential Imaging Biomarkers in the Development and Progression of Diabetic Retinopathy. <b>2018</b> ,		2
313	Spatial and temporal recruitment of the neurovascular unit during development of the mouse blood-retinal barrier. <b>2018</b> , 52, 42-50		11
312	Typhae pollen polysaccharides ameliorate diabetic retinal injury in a streptozotocin-induced diabetic rat model. <b>2018</b> , 224, 169-176		9
311	BMP9 (Bone Morphogenetic Protein-9)/Alk1 (Activin-Like Kinase Receptor Type I) Signaling Prevents Hyperglycemia-Induced Vascular Permeability. <b>2018</b> , 38, 1821-1836		31
310	Shear stress modulates inner blood retinal barrier phenotype. <i>Experimental Eye Research</i> , <b>2019</b> , 187, 107751	3.7	9
309	The uPAR System as a Potential Therapeutic Target in the Diseased Eye. <b>2019</b> , 8,		7
308	Anti-angiogenic effect of quercetin and its 8-methyl pentamethyl ether derivative in human microvascular endothelial cells. <b>2019</b> , 23, 6565-6577		14

307	Compromised Barrier Function in Human Induced Pluripotent Stem-Cell-Derived Retinal Pigment Epithelial Cells from Type 2 Diabetic Patients. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	19
306	The Immunomodulatory Potential of Mesenchymal Stem Cells in a Retinal Inflammatory Environment. <b>2019</b> , 15, 880-891		11
305	Blood-retinal barrier protection against high glucose damage: The role of P2X7 receptor. <b>2019</b> , 168, 249-258		27
304	Ferroportin-mediated iron export from vascular endothelial cells in retina and brain. <i>Experimental Eye Research</i> , <b>2019</b> , 187, 107728	3.7	10
303	Treatment of Diabetic Macular Edema. <b>2019</b> , 19, 68		37
302	New Lipid Mediators in Retinal Angiogenesis and Retinopathy. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 739	5.6	7
301	Downregulation of circRNA DMNT3B contributes to diabetic retinal vascular dysfunction through targeting miR-20b-5p and BAMBI. <b>2019</b> , 49, 341-353		77
300	Neutrophil elastase contributes to the pathological vascular permeability characteristic of diabetic retinopathy. <b>2019</b> , 62, 2365-2374		13
299	Frizzled 4 regulates ventral blood vessel remodeling in the zebrafish retina. <b>2019</b> , 248, 1243-1256		5
298	Iron Accumulates in Retinal Vascular Endothelial Cells But Has Minimal Retinal Penetration After IP Iron Dextran Injection in Mice. <b>2019</b> , 60, 4378-4387		9
297	Neutrophil Extracellular Traps: Current Perspectives in the Eye. <b>2019</b> , 8,		12
296	Comparison of clinical outcomes of different components of diabetic macular edema on optical coherence tomography. <b>2019</b> , 257, 2613-2621		6
295	Characteristics of diabetic macular edema patients refractory to anti-VEGF treatments and a dexamethasone implant. <b>2019</b> , 14, e0222364		20
294	Proteomic Biomarkers of Retinal Inflammation in Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	43
293	Endomucin restores depleted endothelial glycocalyx in the retinas of streptozotocin-induced diabetic rats. <i>FASEB Journal</i> , <b>2019</b> , 33, 13346-13357	0.9	11
292	Toxic anterior segment syndrome: A review. <b>2019</b> , 64, 463-476		17
291	Expression patterns of endothelial permeability pathways in the development of the blood-retinal barrier in mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 5320-5333	0.9	7
290	Do microvascular changes occur preceding neural impairment in early-stage diabetic retinopathy? Evidence based on the optic nerve head using optical coherence tomography angiography. <i>Acta Diabetologica</i> , <b>2019</b> , 56, 531-539	3.9	25

289	The role of inflammation in diabetic eye disease. <b>2019</b> , 41, 427-445		49
288	Optimization of an in vitro bilayer model for studying the functional interplay between human primary retinal pigment epithelial and choroidal endothelial cells isolated from donor eyes. <b>2019</b> , 12, 307		9
287	The role of pericytes in brain disorders: from the periphery to the brain. <b>2019</b> , 150, 648-665		11
286	Role of $\Omega$ polyunsaturated fatty acids in diabetic retinopathy: a morphological and metabolically cross talk among blood retina barriers damage, autoimmunity and chronic inflammation. <b>2019</b> , 18, 114		9
285	TRPV4 inhibition prevents increased water diffusion and blood-retina barrier breakdown in the retina of streptozotocin-induced diabetic mice. <b>2019</b> , 14, e0212158		7
284	Low-Luminance Blue Light-Enhanced Phototoxicity in A2E-Laden RPE Cell Cultures and Rats. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
283	Predictive risk factors for exudative retinal detachment after vitrectomy for proliferative diabetic retinopathy. <i>Medicine (United States)</i> , <b>2019</b> , 98, e14603	1.8	1
282	An anti-PLVAP antibody suppresses laser-induced choroidal neovascularization in monkeys. <b>2019</b> , 854, 240-246		3
281	Simultaneous Inhibition of Angiotensin-2 and Vascular Endothelial Growth Factor-A with Faricimab in Diabetic Macular Edema: BOULEVARD Phase 2 Randomized Trial. <b>2019</b> , 126, 1155-1170		95
280	Anti-Hexokinase 1 Antibody as a Novel Serum Biomarker of a Subgroup of Diabetic Macular Edema. <b>2019</b> , 9, 4806		1
279	Translational research in retinal vascular disease. An approach. <b>2019</b> , 97, 441-450		3
278	Pericytes in the Retina. <b>2019</b> , 1122, 1-26		13
277	Human vitreous in proliferative diabetic retinopathy: Characterization and translational implications. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 72, 100756	20.5	47
276	Anatomy of the Human Optic Nerve: Structure and Function. <b>2019</b> ,		3
275	Ethanol Extract of Chinese Propolis Attenuates Early Diabetic Retinopathy by Protecting the Blood-Retinal Barrier in Streptozotocin-Induced Diabetic Rats. <b>2019</b> , 84, 358-369		10
274	Cytokine and Chemokine Profile Changes in Patients After Intravitreal Conbercept Injection for Diabetic Macular Edema. <b>2019</b> , 13, 4367-4374		5
273	Role of Inflammation in Classification of Diabetic Macular Edema by Optical Coherence Tomography. <b>2019</b> , 2019, 8164250		17
272	Role of the Wnt signalling pathway in the development of endothelial disorders in response to hyperglycaemia. <b>2019</b> , 21, e7		7

271	Factors associated with the duration of action of dexamethasone intravitreal implants in diabetic macular edema patients. <b>2019</b> , 9, 19588		2
270	Glucocorticoids exert differential effects on the endothelium in an in vitro model of the blood-retinal barrier. <b>2019</b> , 97, 214-224		2
269	The role of placental growth factor (PlGF) and its receptor system in retinal vascular diseases. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 69, 116-136	20.5	38
268	Adiponectin: A potential candidate for treating fibrosis in posterior segment of the eye. <b>2019</b> , 123, 9-12		4
267	Hyperglycemia Induces Neutrophil Extracellular Traps Formation Through an NADPH Oxidase-Dependent Pathway in Diabetic Retinopathy. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 3076	8.4	66
266	Microvascular Complications in the Eye: Diabetic Retinopathy. <b>2019</b> , 305-321		2
265	Inhibition of interleukin-6 trans-signaling prevents inflammation and endothelial barrier disruption in retinal endothelial cells. <i>Experimental Eye Research</i> , <b>2019</b> , 178, 27-36	3.7	34
264	MACULAR MACROVESSELS ASSOCIATED WITH SELF-LIMITING LEAKAGE IN A YOUNG PATIENT. <b>2019</b> , 13, 248-250		
263	Simulating vascular leakage on optical coherence tomography angiography using an overlay technique with corresponding thickness maps. <b>2020</b> , 104, 514-517		3
262	Ranibizumab Alters Levels of Intraocular Soluble Cytokine Receptors in Patients with Diabetic Macular Edema. <b>2020</b> , 45, 509-520		3
261	Prospective Study of Vessel Density by Optical Coherence Tomography Angiography After Intravitreal Bevacizumab in Exudative Age-Related Macular Degeneration. <i>Ophthalmology and Therapy</i> , <b>2020</b> , 9, 77-85	5	5
260	Hyperglycemia-induced ubiquitination and degradation of E-cadherin with the loss of platelet endothelial cell adhesion molecule-1 in retinal endothelial cells. <b>2020</b> , 27, e12596		3
259	Bilateral vision loss in Waldenström's macroglobulinemia. <b>2020</b> , 99, 193-194		3
258	Glia of the human retina. <b>2020</b> , 68, 768-796		55
257	Role of cytochrome P450-derived, polyunsaturated fatty acid mediators in diabetes and the metabolic syndrome. <b>2020</b> , 148, 106407		12
256	Erythropoietin maintains VE-cadherin expression and barrier function in experimental diabetic retinopathy via inhibiting VEGF/VEGFR2/Src signaling pathway. <b>2020</b> , 259, 118273		6
255	Eucalyptol Inhibits Amyloid-β-Induced Barrier Dysfunction in Glucose-Exposed Retinal Pigment Epithelial Cells and Diabetic Eyes. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	4
254	Associations between retinal microvasculature/microstructure and renal function in type 2 diabetes patients with early chronic kidney disease. <b>2020</b> , 168, 108373		9

253	The role of <i>cldnh</i> during the early retinal development in zebrafish. <i>Experimental Eye Research</i> , <b>2020</b> , 200, 108207	3.7	1
252	Intravenous Infusion of Umbilical Cord Mesenchymal Stem Cells Maintains and Partially Improves Visual Function in Patients with Advanced Retinitis Pigmentosa. <b>2020</b> , 29, 1029-1037		12
251	Long-Term Follow-Up of Peripheral Pigmentary Retinopathy in Asian Patients with Danon Disease. <b>2020</b> , 11,		
250	Photoreceptor cells and RPE contribute to the development of diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 83, 100919	20.5	23
249	Elevated intraocular pressure causes cellular and molecular retinal injuries, advocating a more moderate intraocular pressure setting during phacoemulsification surgery. <i>International Ophthalmology</i> , <b>2020</b> , 40, 3323-3336	2.2	2
248	Thermostable small-molecule inhibitor of angiogenesis and vascular permeability that suppresses a pERK-FosB/BosB-VCAM-1 axis. <b>2020</b> , 6, eaaz7815		6
247	New Insights Into Immunological Therapy for Retinal Disorders. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1431	8.4	6
246	Inducers of the endothelial cell barrier identified through chemogenomic screening in genome-edited hPSC-endothelial cells. <b>2020</b> , 117, 19854-19865		19
245	Regulation of blood-retinal barrier cell-junctions in diabetic retinopathy. <b>2020</b> , 161, 105115		28
244	Involvement of sodium-coupled neutral amino acid transporters (system A) in l-proline transport in the rat retinal pericytes. <b>2020</b> , 35, 410-416		
243	Blood-retinal barrier as a converging pivot in understanding the initiation and development of retinal diseases. <b>2020</b> , 133, 2586-2594		10
242	Mitochondrial DNA drives noncanonical inflammation activation via cGAS-STING signaling pathway in retinal microvascular endothelial cells. <b>2020</b> , 18, 172		16
241	Inhibiting the NLRP3 inflammasome with MCC950 ameliorates retinal neovascularization and leakage by reversing the IL-1 $\beta$ /IL-18 activation pattern in an oxygen-induced ischemic retinopathy mouse model. <b>2020</b> , 11, 901		15
240	Pemafibrate Protects Against Retinal Dysfunction in a Murine Model of Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	13
239	Roles of circular RNAs in diabetic complications: From molecular mechanisms to therapeutic potential. <b>2020</b> , 763, 145066		15
238	Evaluation of Foveal and Parafoveal Microvascular Changes Using Optical Coherence Tomography Angiography in Type 2 Diabetes Patients without Clinical Diabetic Retinopathy in South Korea. <b>2020</b> , 2020, 6210865		4
237	Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier. <b>2020</b> , 6, eaba7457		18
236	Decrease in Choroidal Vascularity Index of Haller's layer in diabetic eyes precedes retinopathy. <b>2020</b> , 8,		9

235	Targeted IgMs agonize ocular targets with extended vitreal exposure. <b>2020</b> , 12, 1818436		2
234	Renal Biomarkers for Treatment Effect of Ranibizumab for Diabetic Macular Edema. <b>2020</b> , 2020, 7239570		3
233	Role of Moesin Phosphorylation in Retinal Pericyte Migration and Detachment Induced by Advanced Glycation Endproducts. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 603450	5.7	3
232	Metabolic Dysregulation and Neurovascular Dysfunction in Diabetic Retinopathy. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	11
231	Emerging Trends in Nanomedicine for Improving Ocular Drug Delivery: Light-Responsive Nanoparticles, Mesoporous Silica Nanoparticles, and Contact Lenses. <b>2020</b> , 6, 6587-6597		11
230	Glyoxalase System as a Therapeutic Target against Diabetic Retinopathy. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	10
229	Aflibercept ameliorates retinal pericyte loss and restores perfusion in streptozotocin-induced diabetic mice. <b>2020</b> , 8,		4
228	Bim expression modulates the pro-inflammatory phenotype of retinal astroglial cells. <b>2020</b> , 15, e0232779		1
227	Ion channels and myogenic activity in retinal arterioles. <b>2020</b> , 85, 187-226		2
226	Invasion of Human Retinal Pigment Epithelial Cells by <i>Porphyromonas gingivalis</i> leading to Vacuolar/Cytosolic localization and Autophagy dysfunction In-Vitro. <b>2020</b> , 10, 7468		5
225	Comparing the Efficacy of Bevacizumab and Ranibizumab in Patients with Diabetic Macular Edema (BRDME): The BRDME Study, a Randomized Trial. <b>2020</b> , 4, 777-788		5
224	TRPV4: A Physio and Pathophysiologically Significant Ion Channel. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	33
223	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. <b>2020</b> , 57, 3759-3784		7
222	Diabetic Macular Edema: State of Art and Intraocular Pharmacological Approaches. <b>2021</b> , 1307, 375-389		2
221	Diabetic retinopathy and diabetic macular oedema pathways and management: UK Consensus Working Group. <b>2020</b> , 34, 1-51		45
220	Optical Coherence Tomography Angiography in Diabetes and Diabetic Retinopathy. <b>2020</b> , 9,		20
219	Retinal endothelial cell phenotypic modifications during experimental autoimmune uveitis: a transcriptomic approach. <b>2020</b> , 20, 106		8
218	Downregulation of Long Noncoding RNA MIAT in the Retina of Diabetic Rats with Tail-vein Injection of Human Umbilical-cord Mesenchymal Stem Cells. <b>2020</b> , 17, 591-598		7



217	Targeting Neuroinflammation in Neovascular Retinal Diseases. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 234-244	5.6	8
216	Claudin-5 Redistribution Induced by Inflammation Leads to Anti-VEGF-Resistant Diabetic Macular Edema. <b>2020</b> , 69, 981-999		25
215	A New Human Blood-Retinal Barrier Model Based on Endothelial Cells, Pericytes, and Astrocytes. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	20
214	Hyperreflective foci in diabetic macular edema with serous retinal detachment: association with dyslipidemia. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 861-866	3.9	11
213	Transient receptor potential vanilloid <sub>4</sub> channels as therapeutic targets in diabetes and diabetes-related complications. <b>2020</b> , 11, 757-769		4
212	The role of semaphorins in small vessels of the eye and brain. <b>2020</b> , 160, 105044		6
211	Comparing the Efficacy of Bevacizumab and Ranibizumab in Patients with Retinal Vein Occlusion: The Bevacizumab to Ranibizumab in Retinal Vein Occlusions (BRVO) study, a Randomized Trial. <b>2020</b> , 4, 576-587		3
210	Dll4 Suppresses Transcytosis for Arterial Blood-Retinal Barrier Homeostasis. <b>2020</b> , 126, 767-783		16
209	Intravitreal thalidomide ameliorates inflammation in a model of experimental uveitis induced by BCG. <b>2020</b> , 81, 106129		4
208	Implantable anti-angiogenic scaffolds for treatment of neovascular ocular pathologies. <b>2020</b> , 10, 1191-1202		3
207	Inhibition of hsa_circ_0002570 suppresses high-glucose-induced angiogenesis and inflammation in retinal microvascular endothelial cells through miR-1243/angiomin axis. <b>2020</b> , 25, 767-777		14
206	Activation of the interleukin-23/interleukin-17 signalling pathway in autoinflammatory and autoimmune uveitis. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 80, 100866	20.5	23
205	Macular structural changes and factors affecting final visual acuity in patients with Behçet uveitis. <b>2021</b> , 259, 715-721		1
204	The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. <b>2021</b> , 10,		20
203	Iron Accumulation and Lipid Peroxidation in the Aging Retina: Implication of Ferroptosis in Age-Related Macular Degeneration. <b>2021</b> , 12, 529-551		11
202	Progress in the Treatment of Retinal Vein Obstructive Macular Edema. <i>Advances in Clinical Medicine</i> , <b>2021</b> , 11, 3592-3598	0	
201	TIM2 modulates retinal iron levels and is involved in blood-retinal barrier breakdown. <i>Experimental Eye Research</i> , <b>2021</b> , 202, 108292	3.7	2
200	Excess adiponectin in eyes with progressive ocular vascular diseases. <i>FASEB Journal</i> , <b>2021</b> , 35, e21313	0.9	5

199	Diabetic vascular hyperpermeability: optical coherence tomography angiography and functional loss assessments of relationships among retinal vasculature changes. <b>2021</b> , 11, 4185			1
198	Associations Between Capillary Diameter, Capillary Density, and Microaneurysms in Diabetic Retinopathy: A High-Resolution Confocal Microscopy Study. <b>2021</b> , 10, 6			5
197	TPTEP1 suppresses high glucose-induced dysfunction in retinal vascular endothelial cells by interacting with STAT3 and targeting VEGFA. <i>Acta Diabetologica</i> , <b>2021</b> , 58, 759-769	3.9		3
196	RNA-Seq analysis reveals gene expression changes induced by IL-6 trans-signaling activation in retinal endothelial cells. <b>2021</b> , 139, 155375			1
195	Extensive Sub-RPE Complement Deposition in a Nonhuman Primate Model of Early-Stage Diabetic Retinopathy. <b>2021</b> , 62, 30			5
194	A dynamic nomogram for predicting diabetic macular edema in type 2 diabetes patients based on plasma cytokines. <b>2021</b> , 13, 8369-8379			2
193	AAV- protects against vision loss in an inducible retinitis pigmentosa mouse model. <b>2021</b> , 20, 423-441			3
192	Anti-VEGF therapy prevents Müller intracellular edema by decreasing VEGF-A in diabetic retinopathy. <b>2021</b> , 8, 13			4
191	Rho GTPases in Retinal Vascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3		5
190	eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin. <b>2021</b> , 10,			6
189	DETECTION OF MORPHOLOGIC PATTERNS OF DIABETIC MACULAR EDEMA USING A DEEP LEARNING APPROACH BASED ON OPTICAL COHERENCE TOMOGRAPHY IMAGES. <b>2021</b> , 41, 1110-1117			10
188	AMP-activated protein kinase is a key regulator of acute neurovascular permeability. <b>2021</b> , 134,			5
187	Malfunction of outer retinal barrier and choroid in the occurrence and progression of diabetic macular edema. <b>2021</b> , 12, 437-452			6
186	Long-term effects of human induced pluripotent stem cell-derived retinal cell transplantation in Pde6b knockout rats. <b>2021</b> , 53, 631-642			5
185	The Interaction Between Microglia and Macroglia in Glaucoma. <b>2021</b> , 15, 610788			5
184	Interleukin-6 Trans-signaling: A Pathway With Therapeutic Potential for Diabetic Retinopathy. <b>2021</b> , 12, 689429			3
183	Neurovascular unit in diabetic retinopathy: pathophysiological roles and potential therapeutical targets. <b>2021</b> , 8, 15			11
182	Galectins in the Pathogenesis of Common Retinal Disease. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 687495	5.6		0

181	Hyaluronic acid-lipid binding. <b>2021</b> , 15, 36		0
180	Effect of dual PPAR- $\alpha$ agonist saroglitazar on diabetic retinopathy and oxygen-induced retinopathy. <b>2021</b> , 899, 174032		2
179	Advancing Diabetic Retinopathy Research: Analysis of the Neurovascular Unit in Zebrafish. <b>2021</b> , 10,		1
178	EndMT Regulation by Small RNAs in Diabetes-Associated Fibrotic Conditions: Potential Link With Oxidative Stress. <b>2021</b> , 9, 683594		8
177	AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 100972	20.5	5
176	Role of Junctional Adhesion Molecule-C in the Regulation of Inner Endothelial Blood-Retinal Barrier Function. <b>2021</b> , 9, 695657		1
175	Association Between Obstructive Sleep Apnea and Diabetic Macular Edema in Patients with Type 2 Diabetes. <b>2021</b> , 226, 217-225		4
174	Future Perspectives of Therapeutic, Diagnostic and Prognostic Aptamers in Eye Pathological Angiogenesis. <b>2021</b> , 10,		0
173	Multiple novel functions of circular RNAs in diabetes mellitus. <b>2021</b> , 1-30		1
172	Müller cells and astrocytes in tractional macular disorders. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 86, 100977	20.5	4
171	Quantitative Assessment of Choroidal Parameters in Patients with Various Types of Diabetic Macular Oedema: A Single-Centre Cross-Sectional Analysis. <b>2021</b> , 10,		0
170	Determinants of diabetic retinopathy in Tikur Anbessa Hospital, Ethiopia: a case-control study. <b>2021</b> , 7, 12		1
169	The P2X7 Receptor: A Promising Pharmacological Target in Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
168	Circ_001209 aggravates diabetic retinal vascular dysfunction through regulating miR-15b-5p/COL12A1. <b>2021</b> , 19, 294		5
167	Dysregulated Tear Film Proteins in Macular Edema Due to the Neovascular Age-Related Macular Degeneration Are Involved in the Regulation of Protein Clearance, Inflammation, and Neovascularization. <b>2021</b> , 10,		3
166	Exploring the choroidal vascular labyrinth and its molecular and structural roles in health and disease. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 100994	20.5	4
165	Oxidative Stress and the Neurovascular Unit. <i>Life</i> , <b>2021</b> , 11,	3	10
164	Asiatic acid attenuates diabetic retinopathy through TLR4/MyD88/NF- $\kappa$ B p65 mediated modulation of microglia polarization. <b>2021</b> , 277, 119567		3

163	The Vitreous Ecosystem in Diabetic Retinopathy: Insight into the Patho-Mechanisms of Disease. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
162	Contributions of Sodium-Hydrogen Exchanger 1 and Mitogen-Activated Protein Kinases to Enhanced Retinal Venular Constriction to Endothelin-1 in Diabetes. <b>2021</b> , 70, 2353-2363		1
161	Retinal Dysfunction in Alzheimer's Disease and Implications for Biomarkers. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
160	Serous maculopathy with absence of retinal pigment epithelium (SMARPE). <b>2021</b> ,		1
159	EVL is a novel focal adhesion protein involved in the regulation of cytoskeletal dynamics and vascular permeability. <b>2021</b> , 11, 20458940211049002		0
158	VEGFR1 signaling in retinal angiogenesis and microinflammation. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 84, 100954	20.5	21
157	Serous business: Delineating the broad spectrum of diseases with subretinal fluid in the macula. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 84, 100955	20.5	9
156	Interleukin-6 Trans-Signaling Mediated Regulation of Paracellular Permeability in Human Retinal Endothelial Cells. <b>2021</b> , 1, 137-153		
155	Pericytes of Indirect Contact Coculture Decrease Integrity of Inner Blood-Retina Barrier Model by Upgrading MMP-2/9 Activity. <b>2021</b> , 2021, 7124835		0
154	Basic structure of the retina. <b>2022</b> , 35-50		
153	The Fovea - Pages 187-241. <b>2022</b> , 187-241		
152	PDGF Receptor Alpha Signaling Is Key for Müller Cell Homeostasis Functions. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
151	Effect of Stem Cell-Derived Extracellular Vesicles on Damaged Human Corneal Endothelial Cells. <b>2021</b> , 2021, 6644463		6
150	Lychee seed polyphenol protects blood-retinal barrier by increasing tight joint proteins and inhibiting the activation of TLR4/MYD88/NF- $\kappa$ B-mediated NLRP3 inflammasome. <b>2021</b> , 32, 516-539		1
149	Lipid metabolism dysregulation in diabetic retinopathy. <b>2021</b> , 62, 100017		12
148	Retinal Vascular Disease. <b>2021</b> , 89-123		
147	Early Visual Functional Outcomes and Morphological Responses to Anti-Vascular Growth Factor Therapy in Diabetic Macular Oedema Using Optical Coherence Tomography Angiography. <b>2021</b> , 15, 331-339		1
146	Inner Blood-Retinal Barrier Regulation in Retinopathies. <b>2019</b> , 1185, 329-333		5

145	Leakage at Blood-Neural Barriers. <b>2017</b> , 81-102	2
144	Vascular cognitive impairment and dementia in type 2 diabetes mellitus: An overview. <b>2020</b> , 254, 117771	15
143	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. <b>2017</b> , 552, 248-252	82
142	eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin.	1
141	Neurovascular crosstalk between interneurons and capillaries is required for vision. <b>2015</b> , 125, 2335-46	97
140	Effective Treatment with Intravitreal Injection of Bevacizumab for Exudative Retinal Detachment Secondary to Choroidal Metastasis of Non-Small Cell Lung Carcinoma. <b>2015</b> , 16, 728-32	7
139	Effect of Artesunate on the Expression of ICAM-1 and MMP-9 in Vascular Endothelial Cells under High Glucose Condition. <b>2019</b> , 08, 41-51	1
138	Emerging therapies in the management of macular edema: a review. <b>2019</b> , 8,	21
137	Association of n-6 PUFAs with the risk of diabetic retinopathy in diabetic patients. <b>2020</b> , 9, 1191-1201	2
136	Insights into the pathogenesis of cystoid macular edema: leukostasis and related cytokines. <b>2019</b> , 12, 1202-1208	7
135	Glaucoma Pathogenesis and Neurotrophins: Focus on the Molecular and Genetic Basis for Therapeutic Prospects. <b>2018</b> , 16, 1018-1035	39
134	Distinguishing Diabetic Macular Edema From Capillary Nonperfusion Using Optical Coherence Tomography Angiography. <b>2016</b> , 47, 108-14	48
133	A Novel Approach to Understanding Pathogenesis and Treatment of Capillary Dropout in Retinal Vascular Diseases. <b>2016</b> , 47, 288-92	4
132	Inner blood-retina barrier involvement in dry age-related macular degeneration (AMD) pathology. <b>2020</b> , 15, 1656-1657	4
131	Diabetes and retinal vascular dysfunction. <b>2014</b> , 9, 362-73	109
130	Updates in uveitic macular edema. <b>2014</b> , 4, 56	4
129	Comparison of Optical Coherence Angiography Measurements in Patients with Neovascular and Non-Neovascular Age-Related Macular Degeneration.. <b>2022</b> , 56, 107-112	
128	The Chemokine-Based Peptide, CXCL9(74-103), Inhibits Angiogenesis by Blocking Heparan Sulfate Proteoglycan-Mediated Signaling of Multiple Endothelial Growth Factors. <b>2021</b> , 13,	2

- 127 Polyphenol Metabolite Pyrogallol--Sulfate Decreases Microglial Activation and VEGF in Retinal Pigment Epithelium Cells and Diabetic Mouse Retina. *International Journal of Molecular Sciences*, **2021**, 22, 6.3 1
- 126 The Vasculature in the Diseased Eye. **2015**, 293-311
- 125 Regenerative Therapies for Retinopathy. **2016**, 205-227
- 124 Diabetic Retinopathy. **2016**, 89-130
- 123 Mechanisms of Macular Edema. **2017**, 7-25
- 122 EFFECT OF ANTI-VEGF THERAPY ON THE STRUCTURAL STATE OF THE RETINA IN DIABETIC MACULAR EDEMA. **2016**, 1, 24-27
- 121 Aflibercept treatment in patients with diabetic macular edema. **2017**, 10, 94-109 1
- 120 [The state of ocular neurosensory apparatus in diabetes mellitus]. **2018**, 134, 263-269 2
- 119 The 0.19 mg Fluocinolone Acetonide Intravitreal Implant [A Review on its Use in Diabetic Macular Oedema from the Association for Research in Vision and Ophthalmology Annual Meeting 2018. **2018**, 12, 88
- 118 TRPV4 inhibition prevents increased water diffusion and blood-retina barrier breakdown in the retina of streptozotocin-induced diabetic mice.
- 117 Spatial arrangement of leakage patterns in diabetic macular edema is associated with tolerance of aflibercept treatment interval length: preliminary findings. **2019**,
- 116 AMP-activated protein kinase is a key regulator of acute neurovascular permeability.
- 115 Changes in the Foveal Avascular Zone after Uncomplicated Cataract Surgery Based on Optical Coherence Tomography Angiography. **2020**, 61, 514-523
- 114 Genome-Wide Association Studies of retinal vessel tortuosity identify 173 novel loci, capturing genes and pathways associated with disease and vascular tissue pathomechanics. 1
- 113 Influences of advanced glycosylation end products on the inner blood-retinal barrier in a co-culture cell model. **2020**, 15, 619-628
- 112 Blocking connexin43 hemichannels prevents TGF- $\beta$  upregulation and epithelial-mesenchymal transition in retinal pigment epithelial cells. **2021**, 0
- 111 Cytokine signaling as key regulator of pathological angiogenesis in the eye. **2021**, 73, 103662
- 110 Wnt Signaling in Inner Blood-Retinal Barrier Maintenance. *International Journal of Molecular Sciences*, **2021**, 22, 6.3 1

109	Systemic Drug Delivery to the Posterior Segment of the Eye: Overcoming BloodRetinal Barrier Through Smart Drug Design and Nanotechnology. <b>2021</b> , 219-269		
108	Intravitreal triamcinolone acetonide could be a first line medication for patients with DME in a community setting. <b>2020</b> , 6, 433-439		
107	Immune response against ocular tissues after immunization with optic nerve antigens in a model of autoimmune glaucoma. <b>2013</b> , 19, 1804-14		30
106	Src tyrosine kinase regulates the stem cell factor-induced breakdown of the blood-retinal barrier. <b>2016</b> , 22, 1213-1220		5
105	Thrombin induces Ca-dependent glutamate release from RPE cells mediated by PLC/PKC and reverse Na/Ca exchange. <b>2019</b> , 25, 546-558		2
104	Neuron-derived netrin-1 and netrin-4 proteins are additional effective targets in diabetic retinopathy beyond VEGF. <b>2017</b> , 10, 8174-8186		2
103	Cytokine and chemokine profile changes in patients after intravitreal conbercept injection for center macular edema due to branch retinal vein occlusion. <b>2020</b> , 12, 4001-4008		1
102	Single-cell transcriptomic profiling provides insights into retinal endothelial barrier properties. <b>2020</b> , 26, 766-779		1
101	MicroRNAs may provide new strategies in the treatment and diagnosis of diabetic retinopathy: Importance of VEGF. <b>2021</b> , 24, 267-279		3
100	Interdigitation and Ellipsoid Zones Disruption Correlate with Visual Outcomes among Treatment-Naive Patients with Diabetic Macular Edema. <b>2021</b> , 64, 476-482		1
99	PHD2 attenuates high-glucose-induced blood retinal barrier breakdown in human retinal microvascular endothelial cells by regulating the Hif-1/VEGF pathway. <b>2021</b> , 71, 69		0
98	Common pathways in dementia and diabetic retinopathy: understanding the mechanisms of diabetes-related cognitive decline. <b>2021</b> ,		5
97	Therapeutic effect of simultaneous intravitreal dexamethasone and aflibercept on diabetic macular edema. <i>Acta Diabetologica</i> , <b>2021</b> , 1	3.9	1
96	Inflammatory mediators in diabetic retinopathy: Deriving clinicopathological correlations for potential targeted therapy. <b>2021</b> , 69, 3035-3049		0
95	Interdigitation and Ellipsoid Zones Disruption Correlate with Visual Outcomes among Treatment-Naive Patients with Diabetic Macular Edema. <b>2021</b> , 64, 476-482		1
94	Preventive Efficacy of an Antioxidant Compound on Blood Retinal Barrier Breakdown and Visual Dysfunction in Streptozotocin-Induced Diabetic Rats.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 811818	5.6	1
93	Endostatin Inhibits Blood-Retinal Barrier Breakdown in Diabetic Rats by Increasing the Expression of ICAM-1 and VCAM-1 and Decreasing the Expression of VEGF. <b>2022</b> , 2022, 1-9		
92	Influence of Cytokines on Inflammatory Eye Diseases: A Citation Network Study.. <b>2022</b> , 11,		0

91	Microphysiological Neurovascular Barriers to Model the Inner Retinal Microvasculature.. <b>2022</b> , 12,		1
90	Circ-ADAM9 Promotes High Glucose-Induced Retinal Pigment Epithelial Cell Injury in DR via Regulating miR-338-3p/CARM1 Axis.. <b>2022</b> , 2022, 2522249		1
89	The Long-Term Efficacy of Anti-Vascular Endothelial Growth Factor Therapy in Diabetic Macular Edema Patients and Relationship of Epiretinal Membrane. <i>Advances in Clinical Medicine</i> , <b>2022</b> , 12, 1646-1653		0
88	Effect of Extended Release Steroid Implants on the Contralateral Eye.. <b>2022</b> , 22, 131		
87	LECT2 Ameliorates Blood-Retinal Barrier Impairment Secondary to Diabetes Via Activation of the Tie2/Akt/mTOR Signaling Pathway.. <b>2022</b> , 63, 7		0
86	Oxidative Stress, Vascular Endothelium, and the Pathology of Neurodegeneration in Retina.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	1
85	A Hypothesis From Metabolomics Analysis of Diabetic Retinopathy: Arginine-Creatine Metabolic Pathway May Be a New Treatment Strategy for Diabetic Retinopathy.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 858012	5.7	0
84	Challenges to Gene Editing Approaches in the Retina.. <i>Klinische Monatsblatter Fur Augenheilkunde</i> , <b>2022</b> , 239, 275-283	0.8	
83	Neuroinflammation, Microglia and Implications for Retinal Ganglion Cell Survival and Axon Regeneration in Traumatic Optic Neuropathy.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 860070	8.4	1
82	Toll-Like Receptor Signalling Pathways and the Pathogenesis of Retinal Diseases. 2,		0
81	Uveitis-mediated immune cell invasion through the extracellular matrix of the lens capsule. <i>FASEB Journal</i> , <b>2022</b> , 36, e21995	0.9	
80	The Blood Retina Barrier in Health and Disease.. <i>FEBS Journal</i> , <b>2021</b> ,	5.7	4
79	Early neurovascular retinal changes detected by swept-source OCT in type 2 diabetes and association with diabetic kidney disease. <i>International Journal of Retina and Vitreous</i> , <b>2021</b> , 7, 73	2.9	1
78	Distinct Mechanisms of Human Retinal Endothelial Barrier Modulation In Vitro by Mediators of Diabetes and Uveitis.. <i>Life</i> , <b>2021</b> , 12,	3	1
77	Diabetic macular ischaemia- a new therapeutic target?. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 1010320.5	0.5	3
76	Intraocular Pressure Changes After Intravitreal Fluocinolone Acetonide Implant: Results from Four European Countries.. <i>Ophthalmology and Therapy</i> , <b>2022</b> ,	5	
75	Proteomics identifies new potential therapeutic targets of diabetic retinopathy.. <i>Bioengineered</i> , <b>2022</b> , 13, 9916-9927	5.7	0
74	Neuroprotective Effects of Tauroursodeoxycholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model.. <i>Frontiers in Neuroanatomy</i> , <b>2022</b> , 16, 858073	3.6	



73	MG53 represses high glucose-induced inflammation and angiogenesis in human retinal endothelial cells by repressing the EGR1/STAT3 axis.. <i>Immunopharmacology and Immunotoxicology</i> , <b>2022</b> , 1-8	3.2	1
72	Implications of fibrotic extracellular matrix in diabetic retinopathy.. <i>Experimental Biology and Medicine</i> , <b>2022</b> , 15353702221087175	3.7	0
71	Image_1.jpeg. <b>2020</b> ,		
70	Image_2.jpeg. <b>2020</b> ,		
69	Data_Sheet_1.PDF. <b>2019</b> ,		
68	Correlations Between Renal Biomarkers and the Treatment Outcomes in Diabetes: Ophthalmic Aspects. <i>Biomarkers in Disease</i> , <b>2022</b> , 1-24		
67	Identification and Validation of Autophagy-Related Genes in Diabetic Retinopathy.. <i>Frontiers in Endocrinology</i> , <b>2022</b> , 13, 867600	5.7	0
66	A Review of Intraocular Biomolecules in Retinal Vein Occlusion: Toward Potential Biomarkers for Companion Diagnostics.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 859951	5.6	1
65	Metabolism Dysregulation in Retinal Diseases and Related Therapies. <i>Antioxidants</i> , <b>2022</b> , 11, 942	7.1	2
64	Hyperreflective Material Serves as a Potential Biomarker of Dyslipidemia in Diabetic Macular Edema.. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2022</b> , 102903	3.5	
63	circFTO upregulates transforming growth factor-alpha through sponging miR-148a-3p to regulate high glucose-induced ARPE-19 cells injury.. <i>Bioengineered</i> , <b>2022</b> , 13, 11489-11502	5.7	
62	The effect of vitamin D supplementation on the outcome of treatment with bevacizumab in diabetic macular edema: a randomized clinical trial.. <i>International Ophthalmology</i> , <b>2022</b> , 1	2.2	
61	Osteopontin-induced vascular hyperpermeability through tight junction disruption in diabetic retina.. <i>Experimental Eye Research</i> , <b>2022</b> , 220, 109094	3.7	0
60	Endothelial Dysfunction Induced by Extracellular Neutrophil Traps Plays Important Role in the Occurrence and Treatment of Extracellular Neutrophil Traps-Related Disease. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5626	6.3	1
59	Advances in the Pathogenesis of Diabetic Macular Edema. <i>Advances in Clinical Medicine</i> , <b>2022</b> , 12, 4961-4971		0
58	Blood-Retinal Barrier Development and Potential for Regeneration in Blinding Eye Disease. <b>2022</b> , 237-270		
57	Impairment of the Retinal Endothelial Cell Barrier Induced by Long-Term Treatment with VEGF-A165 No Longer Depends on the Growth Factor Presence. <i>Biomolecules</i> , <b>2022</b> , 12, 734	5.9	0
56	Involvement of the Purinergic System in Cell Death in Models of Retinopathies. <i>Biochemistry</i> ,		

55	Nomogram-based prediction of clinically significant macular edema in diabetes mellitus patients. <i>Acta Diabetologica</i> ,	3.9	0
54	Caveolar and non-Caveolar Caveolin-1 in ocular homeostasis and disease. <i>Progress in Retinal and Eye Research</i> , <b>2022</b> , 101094	20.5	
53	TGF $\beta$ Induces Senescence and Attenuated VEGF Production in Retinal Pericytes. <i>Biomedicines</i> , <b>2022</b> , 10, 1404	4.8	
52	Celastrol inhibits pathologic neovascularization in oxygen-induced retinopathy by targeting the miR-17-5p/HIF-1 $\alpha$ /VEGF pathway. <i>Cell Cycle</i> , 1-18	4.7	0
51	Airborne fine particulate matter (PM2.5) damages the inner blood-retinal barrier by inducing inflammation and ferroptosis in retinal vascular endothelial cells. <i>Science of the Total Environment</i> , <b>2022</b> , 838, 156563	10.2	1
50	Results of intravitreal dexamethasone implant (Ozurdex $\square$ ) for retinal vascular diseases with macular edema: An observational study of real-life situations. <i>Medicine (United States)</i> , <b>2022</b> , 101, e29807 <sup>1.8</sup>		
49	Biomechanical regulation of planar cell polarity in endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2022</b> , 1868, 166495	6.9	0
48	Beovu, but not Lucentis impairs the function of the barrier formed by retinal endothelial cells in vitro. <b>2022</b> , 12,		
47	Role of inflammatory cells in pathophysiology and management of diabetic retinopathy. <b>2022</b> ,		1
46	CD8+T Cell-Related Gene Biomarkers in Macular Edema of Diabetic Retinopathy. 13,		0
45	Quantitative Assessment of the Apical and Basolateral Membrane Expression of VEGFR2 and NRP2 in VEGF-A-stimulated Cultured Human Umbilical Vein Endothelial Cells. <b>2022</b> , 70, 557-569		
44	Down-Regulation of circCOL1A2 Suppresses the Dysfunction of Diabetes-Related Retinal Microvascular Endothelial Cells via miR-646/FGF7 Axis. 1-9		
43	Identification of Novel Retinal Pericyte-Targeting rAAV Vectors Through Directed Evolution. <b>2022</b> , 11, 28		0
42	Non-vasogenic cystoid maculopathies. <b>2022</b> , 101092		1
41	Exploring the role of nanomedicines for the therapeutic approach of central nervous system dysfunction: At a glance. 10,		3
40	Effect of a Dexamethasone Implant on Rheological Blood Parameters in Patients Treated for Retinal Vein Thrombosis. Volume 15, 6931-6944		0
39	Correlations Between Renal Biomarkers and the Treatment Outcomes in Diabetes: Ophthalmic Aspects. <b>2023</b> , 411-434		0
38	Nanotools for the Treatment of Ocular Diseases. <b>2022</b> , 169-184		0

- 37 Eucalyptol ameliorates amyloid- $\beta$ -induced retinal microvascular permeability and ER stress-mediated apoptosis via inhibition of PERK-eIF2 $\beta$ -ATF4-Cas12 pathway in diabetic eyes. ○
- 36 Effects of pollutant toxicity on the eyes of aquatic life monitored by visual dysfunction in zebrafish: a review. ○
- 35 ITGA2 Gene Polymorphism Is Associated with Type 2 Diabetes Mellitus in the Kazakhstan Population. **2022**, 58, 1416 1
- 34 Endoplasmic reticulum stress as an underlying factor in leading causes of blindness and potential therapeutic effects of 4-phenylbutyric acid: from bench to bedside. 1-11 ○
- 33 Received anti-VEGF therapy in a patient with CRAO sparing the CLRA with subretinal fluid: A case report. **2022**, 101, e31204 ○
- 32 Extracellular Vesicles as Biomarkers and Therapeutics for Inflammatory Eye Diseases. ○
- 31 Preliminary Study of Different Treatment Responses between Bevacizumab, Aflibercept and Dexamethasone Implant According to Renal Function in Diabetic Macular Edema Patients. **2022**, 11, 7047 ○
- 30 Single-cell RNA sequencing reveals the Müller subtypes and inner blood-retinal barrier regulatory network in early diabetic retinopathy. 15, ○
- 29 Blockade of CB1 or Activation of CB2 Cannabinoid Receptors Is Differentially Efficacious in the Treatment of the Early Pathological Events in Streptozotocin-Induced Diabetic Rats. **2023**, 24, 240 ○
- 28 Pathophysiology of Diabetic Macular Edema. **2022**, 7-25 ○
- 27 A novel model of subretinal edema induced by DL-alpha amino adipic acid. **2023**, 109388 ○
- 26 Perivenular capillary rarefaction in diabetic retinopathy: inter-device characterization and association to clinical staging.. **2023**, 100269 ○
- 25 High Glucose Mediated Apoptosis of Pericytes in the Cochlea Stria Vascularis through Mitochondrial ROS pathway. ○
- 24 Current Treatments and Innovations in Diabetic Retinopathy and Diabetic Macular Edema. **2023**, 15, 122 ○
- 23 Application of Artificial Intelligence in Precision Medicine for Diabetic Macular Edema. Publish Ahead of Print, ○
- 22 Lipid mediators generated by the cytochrome P450 epoxide hydrolase pathway. **2023**, ○
- 21 Ebola virus disrupts the inner blood-retinal barrier by induction of vascular endothelial growth factor in pericytes. **2023**, 19, e1011077 ○
- 20 Circulatory Biomarkers and Diabetic Retinopathy in Racial and Ethnic Populations. 1-11 ○

- 19 Netrin-1 binding to Unc5B regulates Blood-Retina Barrier integrity. ○
- 18 Nanotechnologies to deliver drugs through the bloodBrain and bloodRetinal barriers. **2023**, 45-64 ○
- 17 The role of bloodBrain and bloodRetinal barriers in drug delivery. **2023**, 133-154 ○
- 16 The role of PLVAP in endothelial cells. ○
- 15 Cellular heterogeneity and stem cells of vascular endothelial cells in blood vessel formation and homeostasis: Insights from single-cell RNA sequencing. 11, ○
- 14 Comparison of Optical Coherence Tomography Biomarkers between Bevacizumab Good Responders and Nonresponders Who were Switched to Dexamethasone Implant in Diabetic Macular Edema. **2023**, 37, 137-146 ○
- 13 Optical Coherence Tomography Biomarkers in Diabetic Macular Edema. **2022**, 27-35 ○
- 12 Optimizing treatment for diabetic macular edema during cataract surgery. 14, ○
- 11 Association between Renal Function and the Treatment of Diabetic Macular Edema: Two-Year Long-Term Follow-Up. ○
- 10 Sulodexide Prevents Hyperglycemia-Induced Endothelial Dysfunction and Oxidative Stress in Porcine Retinal Arterioles. **2023**, 12, 388 ○
- 9 Rodent Models of Diabetic Retinopathy as a Useful Research Tool to Study Neurovascular Cross-Talk. **2023**, 12, 262 ○
- 8 Diabetic Macular Oedema Guidelines: An Australian Perspective. **2023**, 2023, 1-22 ○
- 7 Retinal Venule Coverage by Pericytes Decreases in Multiparous Mice in a Time-Dependent Manner Post-Delivery. **2023**, 24, 3967 ○
- 6 Genome-wide Association Studies of Retinal Vessel Tortuosity Identify Numerous Novel Loci Revealing Genes and Pathways Associated With Ocular and Cardiometabolic Diseases. **2023**, 3, 100288 ○
- 5 Arctigenin Prevents Retinal Edema in a Murine Retinal Vein Occlusion Model. **2023**, 46, 473-481 ○
- 4 Mechanisms of macular edema. 10, ○
- 3 BALATON and COMINO: Phase 3 Randomized Clinical Trials of Faricimab for Retinal Vein Occlusion: Study Design and Rationale. **2023**, 100302 ○
- 2 Neurodegeneration and microangiopathy in diabetic retina and choroid. **2024**, 145-168 ○

- 1 Inflammation: The Link between Neural and Vascular Impairment in the Diabetic Retina and Therapeutic Implications. **2023**, 24, 8796

o