Robert F Mullins

List of Publications by Year
in descending order

211 papers	15,067 citations	28274 55 h-index	24258 110 g-index
214 all docs	214 docs citations	214 times ranked	12306 citing authors

#	Article	IF	Citations
1	An Integrated Hypothesis That Considers Drusen as Biomarkers of Immune-Mediated Processes at the RPE-Bruch's Membrane Interface in Aging and Age-Related Macular Degeneration. Progress in Retinal and Eye Research, 2001, 20, 705-732.	15.5	1,162
2	A role for local inflammation in the formation of drusen in the aging eye. American Journal of Ophthalmology, 2002, 134, 411-431.	3.3	986
3	Drusen associated with aging and ageâ€related macular degeneration contain proteins common to extracellular deposits associated with atherosclerosis, elastosis, amyloidosis, and dense deposit disease. FASEB Journal, 2000, 14, 835-846.	0.5	833
4	Retinal neurodegeneration may precede microvascular changes characteristic of diabetic retinopathy in diabetes mellitus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2655-64.	7.1	442
5	Bbs2 -null mice have neurosensory deficits, a defect in social dominance, and retinopathy associated with mislocalization of rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16588-16593.	7.1	345
6	T-cell immunoglobulin and mucin domain 1 (TIM-1) is a receptor for Zaire Ebolavirus and Lake Victoria Marburgvirus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8426-8431.	7.1	330
7	Choriocapillaris Vascular Dropout Related to Density of Drusen in Human Eyes with Early Age-Related Macular Degeneration. , 2011, 52, 1606.		323
8	Clinically Focused Molecular Investigation of 1000 Consecutive Families with Inherited Retinal Disease. Ophthalmology, 2017, 124, 1314-1331.	5.2	312
9	Bardetâ€"Biedl syndrome type 4 (BBS4)-null mice implicate Bbs4 in flagella formation but not global cilia assembly. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8664-8669.	7.1	309
10	A knockin mouse model of the Bardetâ€"Biedl syndrome 1 M390R mutation has cilia defects, ventriculomegaly, retinopathy, and obesity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19422-19427.	7.1	237
11	Single-cell transcriptomics of the human retinal pigment epithelium and choroid in health and macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24100-24107.	7.1	234
12	Local cellular sources of apolipoprotein E in the human retina and retinal pigmented epithelium: implications for the process of drusen formation. American Journal of Ophthalmology, 2001, 131, 767-781.	3.3	229
13	Structure and composition of drusen associated with glomerulonephritis: Implications for the role of complement activation in drusen biogenesis. Eye, 2001, 15, 390-395.	2.1	214
14	Copy number variations on chromosome 12q14 in patients with normal tension glaucoma. Human Molecular Genetics, 2011, 20, 2482-2494.	2.9	189
15	Complement activation and choriocapillaris loss in early AMD: Implications for pathophysiology and therapy. Progress in Retinal and Eye Research, 2015, 45, 1-29.	15.5	189
16	Exome sequencing and analysis of induced pluripotent stem cells identify the cilia-related gene male germ cell-associated kinase (MAK) as a cause of retinitis pigmentosa. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E569-76.	7.1	186
17	Decreased Thickness and Integrity of the Macular Elastic Layer of Bruch's Membrane Correspond to the Distribution of Lesions Associated with Age-Related Macular Degeneration. American Journal of Pathology, 2005, 166, 241-251.	3.8	185
18	Vitronectin is a constituent of ocular drusen and the vitronectin gene is expressed in human retinal pigmented epithelial cells. FASEB Journal, 1999, 13, 477-484.	0.5	183

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19	Mkks-null mice have a phenotype resembling Bardetâ€"Biedl syndrome. Human Molecular Genetics, 2005, 14, 1109-1118.	2.9	181
20	Bardetâ€"Biedl syndrome genes are important in retrograde intracellular trafficking and Kupffer's vesicle cilia function. Human Molecular Genetics, 2006, 15, 667-677.	2.9	176
21	The Membrane Attack Complex in Aging Human Choriocapillaris. American Journal of Pathology, 2014, 184, 3142-3153.	3.8	174
22	Patient-specific iPSC-derived photoreceptor precursor cells as a means to investigate retinitis pigmentosa. ELife, 2013, 2, e00824.	6.0	168
23	Identical mutation in a novel retinal gene causes progressive rodâ€"cone degeneration in dogs and retinitis pigmentosa in humans. Genomics, 2006, 88, 551-563.	2.9	161
24	Non-exomic and synonymous variants in ABCA4 are an important cause of Stargardt disease. Human Molecular Genetics, 2013, 22, 5136-5145.	2.9	159
25	Location, substructure, and composition of basal laminar drusen compared with drusen associated with aging and age-related macular degeneration. American Journal of Ophthalmology, 2000, 129, 205-214.	3.3	157
26	Association between the SERPING1 gene and age-related macular degeneration: a two-stage caseâ€"control study. Lancet, The, 2008, 372, 1828-1834.	13.7	156
27	Structural and molecular changes in the aging choroid: implications for age-related macular degeneration. Eye, 2017, 31, 10-25.	2.1	146
28	Automated Segmentation of the Choroid from Clinical SD-OCT. , 2012, 53, 7510.		128
29	Transcriptomic analysis across nasal, temporal, and macular regions of human neural retina and RPE/choroid by RNA-Seq. Experimental Eye Research, 2014, 129, 93-106.	2.6	122
30	Using CRISPR-Cas9 to Generate Gene-Corrected Autologous iPSCs for the Treatment of Inherited Retinal Degeneration. Molecular Therapy, 2017, 25, 1999-2013.	8.2	121
31	CEP290 gene transfer rescues Leber congenital amaurosis cellular phenotype. Gene Therapy, 2014, 21, 662-672.	4.5	118
32	Elevated membrane attack complex in human choroid with high risk complement factor H genotypes. Experimental Eye Research, 2011, 93, 565-567.	2.6	112
33	Differential Macular and Peripheral Expression of Bestrophin in Human Eyes and Its Implication for Best Disease. , 2007, 48, 3372.		109
34	Bestrophin Gene Mutations Cause Canine Multifocal Retinopathy: A Novel Animal Model for Best Disease. , 2007, 48, 1959.		108
35	Patient-specific induced pluripotent stem cells (iPSCs) for the study and treatment of retinal degenerative diseases. Progress in Retinal and Eye Research, 2015, 44, 15-35.	15.5	108
36	cGMP production of patient-specific iPSCs and photoreceptor precursor cells to treat retinal degenerative blindness. Scientific Reports, 2016, 6, 30742.	3.3	108

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37	Cadherin 5 is Regulated by Corticosteroids and Associated with Central Serous Chorioretinopathy. Human Mutation, 2014, 35, 859-867.	2.5	107
38	North Carolina Macular Dystrophy Is Caused by Dysregulation of the Retinal Transcription Factor PRDM13. Ophthalmology, 2016, 123, 9-18.	5.2	105
39	Molecular characterization of foveal versus peripheral human retina by single-cell RNA sequencing. Experimental Eye Research, 2019, 184, 234-242.	2.6	102
40	Complement Component C5a Activates ICAM-1 Expression on Human Choroidal Endothelial Cells. , 2010, 51, 5336.		101
41	Adeno-Associated Virus Type 5: Transduction Efficiency and Cell-Type Specificity in the Primate Retina. Human Gene Therapy, 2003, 14, 1663-1671.	2.7	95
42	Late Development of Vitelliform Lesions and Flecks in a Patient With Best Disease. JAMA Ophthalmology, 2005, 123, 1588.	2.4	95
43	Exon-level expression profiling of ocular tissues. Experimental Eye Research, 2013, 111, 105-111.	2.6	94
44	Enhanced accumulation of A2E in individuals homozygous or heterozygous for mutations in BEST1 (VMD2). Experimental Eye Research, 2007, 85, 34-43.	2.6	90
45	Use of a Synthetic Xeno-Free Culture Substrate for Induced Pluripotent Stem Cell Induction and Retinal Differentiation. Stem Cells Translational Medicine, 2013, 2, 16-24.	3.3	89
46	Comparison of the Femtosecond Laser (IntraLase) Versus Manual Microkeratome (Moria ALTK) in Dissection of the Donor in Endothelial Keratoplasty. Cornea, 2008, 27, 88-93.	1.7	85
47	Bestrophinopathy: An RPE-photoreceptor interface disease. Progress in Retinal and Eye Research, 2017, 58, 70-88.	15.5	85
48	TUDCA Slows Retinal Degeneration in Two Different Mouse Models of Retinitis Pigmentosa and Prevents Obesity in Bardet-Biedl Syndrome Type 1 Mice. , 2012, 53, 100.		84
49	Subretinal Gene Therapy of Mice With Bardet-Biedl Syndrome Type 1. , 2013, 54, 6118.		79
50	Structural and Biochemical Analyses of Choroidal Thickness in Human Donor Eyes. , 2014, 55, 1352.		77
51	Two-photon polymerization for production of human iPSC-derived retinal cell grafts. Acta Biomaterialia, 2017, 55, 385-395.	8.3	76
52	Development and characterization of photopolymerizable biodegradable materials from PEGâ€“PLAâ€“PEG block macromonomers. Polymer, 2007, 48, 6554-6564.	3.8	75
53	Identification and Functional Analysis of the Vision-Specific BBS3 (ARL6) Long Isoform. PLoS Genetics, 2010, 6, e1000884.	3.5	75
54	AUTOSOMAL RECESSIVE VITELLIFORM MACULAR DYSTROPHY IN A LARGE COHORT OF VITELLIFORM MACULAR DYSTROPHY PATIENTS. Retina, 2011, 31, 581-595.	1.7	75

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55	Duplication of TBK1 Stimulates Autophagy in iPSC-derived Retinal Cells from a Patient with Normal Tension Glaucoma. Journal of Stem Cell Research & Therapy, 2014, 04, 161.	0.3	75
56	Validity of Automated Choroidal Segmentation in SS-OCT and SD-OCT. , 2015, 56, 3202.		74
57	Macrophages in neovascular age-related macular degeneration: friends or foes?. Eye, 2009, 23, 747-755.	2.1	72
58	Ethnic variation in AMD-associated complement factor H polymorphism p.Tyr402His. Human Mutation, 2006, 27, 921-925.	2.5	66
59	Association of HLA Class I and Class II Polymorphisms with Age-Related Macular Degeneration. , 2005, 46, 1726.		64
60	Hypomorphic mutations inTRNT1cause retinitis pigmentosa with erythrocytic microcytosis. Human Molecular Genetics, 2016, 25, 44-56.	2.9	64
61	CRISPR-Cas9 genome engineering: Treating inherited retinal degeneration. Progress in Retinal and Eye Research, 2018, 65, 28-49.	15.5	64
62	Characterization of Drusen-associated Glycoconjugates. Ophthalmology, 1997, 104, 288-294.	5.2	63
63	Human Photoreceptor Outer Segments Shorten During Light Adaptation. , 2013, 54, 3721.		63
64	Variations in NPHP5 in Patients With Nonsyndromic Leber Congenital Amaurosis and Senior-Loken Syndrome. JAMA Ophthalmology, 2011, 129, 81.	2.4	62
65	Generation, identification and functional characterization of thenob4mutation ofGrm6in the mouse. Visual Neuroscience, 2007, 24, 111-123.	1.0	61
66	PyMINEr Finds Gene and Autocrine-Paracrine Networks from Human Islet scRNA-Seq. Cell Reports, 2019, 26, 1951-1964.e8.	6.4	61
67	Stem cells for investigation and treatment of inherited retinal disease. Human Molecular Genetics, 2014, 23, R9-R16.	2.9	59
68	Gene Expression Analysis of Photoreceptor Cell Loss inBbs4-Knockout Mice Reveals an Early Stress Gene Response and Photoreceptor Cell Damage. , 2007, 48, 3329.		57
69	Visual Impairment in the Absence of Dystroglycan. Journal of Neuroscience, 2009, 29, 13136-13146.	3.6	56
70	Human Ocular Drusen Possess Novel Core Domains with a Distinct Carbohydrate Composition. Journal of Histochemistry and Cytochemistry, 1999, 47, 1533-1539.	2.5	55
71	Single-cell profiling reveals an endothelium-mediated immunomodulatory pathway in the eye choroid. Journal of Experimental Medicine, 2020, 217, .	8.5	55
72	Three-dimensional Distribution of the Vitelliform Lesion, Photoreceptors, and Retinal Pigment Epithelium in the Macula of Patients With Best Vitelliform Macular Dystrophy. JAMA Ophthalmology, 2012, 130, 357.	2.4	54

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73	Assessment of Adeno-Associated Virus Serotype Tropism in Human Retinal Explants. Human Gene Therapy, 2018, 29, 424-436.	2.7	53
74	Time-Resolved Autofluorescence Imaging of Human Donor Retina Tissue from Donors with Significant Extramacular Drusen. , 2012, 53, 3376.		52
75	Mechanical properties of murine and porcine ocular tissues in compression. Experimental Eye Research, 2014, 121, 194-199.	2.6	51
76	Characterization of Choroidal Layers in Normal Aging Eyes Using Enface Swept-Source Optical Coherence Tomography. PLoS ONE, 2015, 10, e0133080.	2.5	51
77	Selective accumulation of the complement membrane attack complex in aging choriocapillaris. Experimental Eye Research, 2016, 146, 393-397.	2.6	51
78	Effect of Molecular Weight and Functionality on Acrylated Poly(caprolactone) for Stereolithography and Biomedical Applications. Biomacromolecules, 2018, 19, 3682-3692.	5.4	51
79	Two-photon polymerized poly(caprolactone) retinal cell delivery scaffolds and their systemic and retinal biocompatibility. Acta Biomaterialia, 2019, 94, 204-218.	8.3	51
80	REFRACTILE DRUSEN. Retina, 2015, 35, 859-865.	1.7	50
81	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. JAMA - Journal of the American Medical Association, 2019, 322, 1682.	7.4	50
82	Macular and peripheral distribution of ICAM-1 in the human choriocapillaris and retina. Molecular Vision, 2006, 12, 224-35.	1.1	50
83	Gene Transfer to the Nonhuman Primate Retina with Recombinant Feline Immunodeficiency Virus Vectors. Human Gene Therapy, 2002, 13, 689-696.	2.7	48
84	Allogenic iPSC-derived RPE cell transplants induce immune response in pigs: a pilot study. Scientific Reports, 2015, 5, 11791.	3.3	48
85	Choriocapillaris Degeneration in Geographic Atrophy. American Journal of Pathology, 2019, 189, 1473-1480.	3.8	48
86	Molecular response of chorioretinal endothelial cells to complement injury: implications for macular degeneration. Journal of Pathology, 2016, 238, 446-456.	4.5	47
87	Spectacle: An interactive resource for ocular single-cell RNA sequencing data analysis. Experimental Eye Research, 2020, 200, 108204.	2.6	47
88	Altered gene expression in dry age-related macular degeneration suggests early loss of choroidal endothelial cells. Molecular Vision, 2013, 19, 2274-97.	1.1	47
89	Expression of the glaucoma gene myocilin (MYOC) in the human optic nerve head. FASEB Journal, 2001, 15, 1251-1253.	0.5	46
90	Feeder-free differentiation of cells exhibiting characteristics of corneal endothelium from human induced pluripotent stem cells. Biology Open, 2018, 7, .	1.2	46

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91	Autosomal Recessive Retinitis Pigmentosa Due ToABCA4Mutations: Clinical, Pathologic, and Molecular Characterization. , 2012, 53, 1883.		45
92	Patient-specific induced pluripotent stem cells to evaluate the pathophysiology of TRNT1 -associated Retinitis pigmentosa. Stem Cell Research, 2017, 21, 58-70.	0.7	45
93	Monomeric C-reactive protein and inflammation in age-related macular degeneration. Journal of Pathology, 2016, 240, 173-183.	4.5	43
94	The SWELL1-LRRC8 complex regulates endothelial AKT-eNOS signaling and vascular function. ELife, 2021, 10, .	6.0	41
95	Interleukin-17 Retinotoxicity Is Prevented by Gene Transfer of a Soluble Interleukin-17 Receptor Acting as a Cytokine Blocker: Implications for Age-Related Macular Degeneration. PLoS ONE, 2014, 9, e95900.	2.5	41
96	Chromosome 7q31 POAG locus: ocular expression of caveolins and lack of association with POAG in a US cohort. Molecular Vision, 2011, 17, 430-5.	1.1	41
97	Predicting the pathogenicity ofRPE65mutations. Human Mutation, 2009, 30, 1183-1188.	2.5	40
98	Cellâ€"Matrix Interactions in the Eye: From Cornea to Choroid. Cells, 2021, 10, 687.	4.1	39
99	Fibulin-5 distribution in human eyes: Relevance to age-related macular degeneration. Experimental Eye Research, 2007, 84, 378-380.	2.6	38
100	FcÎ³ Receptor Upregulation Is Associated With Immune Complex Inflammation in the Mouse Retina and Early Age-Related Macular Degeneration. , 2014, 55, 247.		38
101	Mouse Tmem135 mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. ELife, 2016, 5, .	6.0	38
102	Generating iPSC-Derived Choroidal Endothelial Cells to Study Age-Related Macular Degeneration. , 2015, 56, 8258.		36
103	Toll-like Receptor 2 Facilitates Oxidative Damage-Induced Retinal Degeneration. Cell Reports, 2020, 30, 2209-2224.e5.	6.4	36
104	Single-Cell RNA Sequencing in Human Retinal Degeneration Reveals Distinct Glial Cell Populations. Cells, 2020, 9, 438.	4.1	35
105	Elastin-Mediated Choroidal Endothelial Cell Migration: Possible Role in Age-Related Macular Degeneration. , 2008, 49, 5574.		34
106	COMPARISON OF DRUSEN AND MODIFYING GENES IN AUTOSOMAL DOMINANT RADIAL DRUSEN AND AGE-RELATED MACULAR DEGENERATION. Retina, 2015, 35, 48-57.	1.7	34
107	Bulk and single-cell gene expression analyses reveal aging human choriocapillaris has pro-inflammatory phenotype. Microvascular Research, 2020, 131, 104031.	2.5	34
108	Comparison of Retinal and Choriocapillaris Thicknesses Following Sitting to Supine Transition in Healthy Individuals and Patients With Age-Related Macular Degeneration. JAMA Ophthalmology, 2015, 133, 297.	2.5	33

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109	Using patient-specific induced pluripotent stem cells to interrogate the pathogenicity of a novel retinal pigment epithelium-specific 65ÂkDa cryptic splice site mutation and confirm eligibility for enrollment into a clinical gene augmentation trial. Translational Research, 2015, 166, 740-749.e1.	5.0	30
110	Connective Tissue Growth Factor Promotes Efficient Generation of Human Induced Pluripotent Stem Cell-Derived Choroidal Endothelium. Stem Cells Translational Medicine, 2017, 6, 1533-1546.	3.3	30
111	Wide-Field Swept-Source OCT and Angiography in X-Linked Retinoschisis. Ophthalmology Retina, 2019, 3, 178-185.	2.4	30
112	Effects of Antioxidant Components of AREDS Vitamins and Zinc Ions on Endothelial Cell Activation: Implications for Macular Degeneration. , 2012, 53, 1041.		29
113	Using Patient-Specific Induced Pluripotent Stem Cells and Wild-Type Mice to Develop a Gene Augmentation-Based Strategy to Treat CLN3-Associated Retinal Degeneration. Human Gene Therapy, 2016, 27, 835-846.	2.7	29
114	The Human Retina and Retinal Pigment Epithelium Are Abundant Sources of Vitronectin mRNA. Biochemical and Biophysical Research Communications, 1999, 258, 524-529.	2.1	28
115	Molecular responses of choroidal endothelial cells to elastin derived peptides through the elastin-binding protein (GLB1). Matrix Biology, 2012, 31, 113-119.	3.6	28
116	Retinal Tropism and Transduction of Adeno-Associated Virus Varies by Serotype and Route of Delivery (Intravitreal, Subretinal, or Suprachoroidal) in Rats. Human Gene Therapy, 2020, 31, 1288-1299.	2.7	28
117	Localization of complement 1 inhibitor (C1INH/SERPING1) in human eyes with age-related macular degeneration. Experimental Eye Research, 2009, 89, 767-773.	2.6	27
118	Correction of NR2E3 Associated Enhanced S-cone Syndrome Patient-specific iPSCs using CRISPR-Cas9. Genes, 2019, 10, 278.	2.4	27
119	A Mutation in the Mouse Ttc26 Gene Leads to Impaired Hedgehog Signaling. PLoS Genetics, 2014, 10, e1004689.	3.5	26
120	The ARMS2 A69S Polymorphism Is Associated with Delayed Rod-Mediated DarkÂAdaptation in Eyes at Risk for Incident Age-Related Macular Degeneration. Ophthalmology, 2019, 126, 591-600.	5.2	26
121	EYES WITH SUBRETINAL DRUSENOID DEPOSITS AND NO DRUSEN. Retina, 2019, 39, 12-26.	1.7	26
122	Choroidal endothelial and macrophage gene expression in atrophic and neovascular macular degeneration. Human Molecular Genetics, 2022, 31, 2406-2423.	2.9	26
123	Is Age-Related Macular Degeneration a Microvascular Disease?. Advances in Experimental Medicine and Biology, 2014, 801, 283-289.	1.6	25
124	Association of reduced Connexin 43 expression with retinal vascular lesions in human diabetic retinopathy. Experimental Eye Research, 2016, 146, 103-106.	2.6	25
125	CRISPRâ€Cas9â€Based Genome Editing of Human Induced Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 2018, 44, 5B.7.1-5B.7.22.	3.0	25
126	Single-cell RNA sequencing in vision research: Insights into human retinal health and disease. Progress in Retinal and Eye Research, 2021, 83, 100934.	15.5	24

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127	Results from screening over 9000 mutation-bearing mice for defects in the electroretinogram and appearance of the fundus. Vision Research, 2004, 44, 3335-3345.	1.4	23
128	Loss of CD34 Expression in Aging Human Choriocapillaris Endothelial Cells. PLoS ONE, 2014, 9, e86538.	2.5	23
129	Generation, characterization, and molecular cloning of theNoerg-1mutation of rhodopsin in the mouse. Visual Neuroscience, 2005, 22, 619-629.	1.0	21
130	Optimizing Donor Cellular Dissociation and Subretinal Injection Parameters for Stem Cell-Based Treatments. Stem Cells Translational Medicine, 2019, 8, 797-809.	3.3	21
131	TransgenicTBK1mice have features of normal tension glaucoma. Human Molecular Genetics, 2017, 26, ddw372.	2.9	19
132	Concise Review: Patient-Specific Stem Cells to Interrogate Inherited Eye Disease. Stem Cells Translational Medicine, 2016, 5, 132-140.	3.3	19
133	Preparation and evaluation of human choroid extracellular matrix scaffolds for the study of cell replacement strategies. Acta Biomaterialia, 2017, 57, 293-303.	8.3	19
134	Choroidal Î³Î´ T cells in protection against retinal pigment epithelium and retinal injury. FASEB Journal, 2017, 31, 4903-4916.	0.5	19
135	Helper-Dependent Adenovirus Transduces the Human and Rat Retina but Elicits an Inflammatory Reaction When Delivered Subretinally in Rats. Human Gene Therapy, 2019, 30, 1371-1384.	2.7	19
136	Stepwise differentiation and functional characterization of human induced pluripotent stem cell-derived choroidal endothelial cells. Stem Cell Research and Therapy, 2020, 11, 409.	5.5	19
137	Comparison of color to fluorescein angiographic images from patients with early-adult onset grouped drusen suggests drusen substructure. American Journal of Ophthalmology, 2004, 137, 924-930.	3.3	18
138	Genetic Insights Into the Pathobiology of Age-related Macular Degeneration. International Ophthalmology Clinics, 2007, 47, 1-14.	0.7	18
139	Seroreactivity Against Aqueous-Soluble and Detergent-Soluble Retinal Proteins in Posterior Uveitis. JAMA Ophthalmology, 2011, 129, 415.	2.4	18
140	Regional Assessment of Energy-Producing Metabolic Activity in the Endothelium of Donor Corneas. , 2015, 56, 2803.		18
141	Generation of an immortalized human choroid endothelial cell line (iChEC-1) using an endothelial cell specific promoter. Microvascular Research, 2019, 123, 50-57.	2.5	18
142	APOPTOSIS AND ANGIOFIBROSIS IN DIABETIC TRACTIONAL MEMBRANES AFTER VASCULAR ENDOTHELIAL GROWTH FACTOR INHIBITION. Retina, 2019, 39, 265-273.	1.7	18
143	Different Inner Retinal Pathways Mediate Rod-Cone Input in Irradiance Detection for the Pupillary Light Reflex and Regulation of Behavioral State in Mice. , 2011, 52, 618.		17
144	TBK1and Flanking Genes in Human Retina. Ophthalmic Genetics, 2014, 35, 35-40.	1.2	17

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145	Effect of Internal Limiting Membrane Abrasion on Retinal Tissues in Macular Holes. , 2015, 56, 2783.		17
146	Human photoreceptor cells from different macular subregions have distinct transcriptional profiles. Human Molecular Genetics, 2021, 30, 1543-1558.	2.9	17
147	Gene Therapy Using Stem Cells. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a017434-a017434.	6.2	16
148	Development of a Molecularly Stable Gene Therapy Vector for the Treatment of RPGR-Associated X-Linked Retinitis Pigmentosa. Human Gene Therapy, 2019, 30, 967-974.	2.7	16
149	Patient derived stem cells for discovery and validation of novel pathogenic variants in inherited retinal disease. Progress in Retinal and Eye Research, 2021, 83, 100918.	15.5	16
150	Angiogenin in age-related macular degeneration. Molecular Vision, 2011, 17, 576-82.	1.1	16
151	Glycoconjugates of choroidal neovascular membranes in age-related macular degeneration. Molecular Vision, 2005, 11, 509-17.	1.1	16
152	Evaluation of variants in the selectin genes in age-related macular degeneration. BMC Medical Genetics, 2011, 12, 58.	2.1	15
153	Photoreceptor Cells With Profound Structural Deficits Can Support Useful Vision in Mice. , 2014, 55, 1859.		15
154	Generation of Xenoâ€Free, cGMPâ€Compliant Patientâ€Specific iPSCs from Skin Biopsy. Current Protocols in Stem Cell Biology, 2017, 42, 4A.12.1-4A.12.14.	3.0	15
155	CRISPR-Cas9-Mediated Correction of the 1.02â€‰kb Common Deletion in CLN3 in Induced Pluripotent Stem Cells from Patients with Batten Disease. CRISPR Journal, 2018, 1, 75-87.	2.9	15
156	Divergent Phenotypes of Vision and Accessory Visual Function in Mice with Visual Cycle Dysfunction (Rpe65rd12) or Retinal Degeneration (rd/rd). , 2008, 49, 2737.		14
157	Immunosuppressive Treatment for Retinal Degeneration in Juvenile Neuronal Ceroid Lipofuscinosis (Juvenile Batten Disease). Ophthalmic Genetics, 2015, 36, 359-364.	1.2	14
158	From compliment to insult: genetics of the complement system in physiology and disease in the human retina. Human Molecular Genetics, 2017, 26, R51-R57.	2.9	14
159	Evaluation of serum and ocular levels of membrane attack complex and C-reactive protein in CFH-genotyped human donors. Eye, 2018, 32, 1740-1742.	2.1	14
160	POSTERIORLY INSERTED VITREOUS BASE. Retina, 2020, 40, 943-950.	1.7	14
161	Correlation of Optical Coherence Tomography and Retinal Histology in Normal and Pro23His Retinal Degeneration Pig. Translational Vision Science and Technology, 2018, 7, 18.	2.2	13
162	T-cell infiltration in autosomal dominant neovascular inflammatory vitreoretinopathy. Molecular Vision, 2010, 16, 1034-40.	1.1	13

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163	Visualization of Mouse Choroidal and Retinal Vasculature Using Fluorescent Tomato Lectin Perfusion. Translational Vision Science and Technology, 2020, 9, 1.	2.2	12
164	Local factor H production by human choroidal endothelial cells mitigates complement deposition: implications for macular degeneration. Journal of Pathology, 2022, 257, 29-38.	4.5	12
165	Stem Cells as Tools for Studying the Genetics of Inherited Retinal Degenerations. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a017160-a017160.	6.2	11
166	A Method for Sectioning and Immunohistochemical Analysis of Stem Cellâ€"Derived 3â€Ð Organoids. Current Protocols in Stem Cell Biology, 2016, 37, 1C.19.1-1C.19.11.	3.0	11
167	Histochemical Analysis of Glaucoma Caused by a Myocilin Mutation in a Human Donor Eye. Ophthalmology Glaucoma, 2018, 1, 132-138.	1.9	11
168	Lipofuscin in human glaucomatous optic nerves. Experimental Eye Research, 2013, 111, 61-66.	2.6	10
169	Heterozygous Triplication of Upstream Regulatory Sequences Leads to Dysregulation of Matrix Metalloproteinase 19 in Patients with Cavitary Optic Disc Anomaly. Human Mutation, 2015, 36, 369-378.	2.5	10
170	CLINICOPATHOLOGICAL CORRELATION IN A PATIENT WITH PREVIOUSLY TREATED BIRDSHOT CHORIORETINOPATHY. Retinal Cases and Brief Reports, 2017, 11, 344-347.	0.6	10
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