Stephen H Tsang

List of Publications by Year
in descending order

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356	9,477	57758 44	88630 70
papers	citations	h-index	g-index

361	361	361	8667
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Drosophila Genetic Resource of Mutants to Study Mechanisms Underlying Human Genetic Diseases. Cell, 2014, 159, 200-214.	28.9	322
2	Unexpected mutations after CRISPRâ€“Cas9 editing in vivo. Nature Methods, 2017, 14, 547-548.	19.0	294
3	Allele-Specific Chromosome Removal after Cas9 Cleavage in Human Embryos. Cell, 2020, 183, 1650-1664.e15.	28.9	198
4	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. Nature Genetics, 2015, 47, 757-765.	21.4	183
5	Viral Delivery Systems for CRISPR. Viruses, 2019, 11, 28.	3.3	174
6	Long-term Safety and Efficacy of Human-Induced Pluripotent Stem Cell (iPS) Grafts in a Preclinical Model of Retinitis Pigmentosa. Molecular Medicine, 2012, 18, 1312-1319.	4.4	162
7	Quantitative Fundus Autofluorescence in Recessive Stargardt Disease. , 2014, 55, 2841.		160
8	Frequent hypomorphic alleles account for a significant fraction of ABCA4 disease and distinguish it from age-related macular degeneration. Journal of Medical Genetics, 2017, 54, 404-412.	3.2	140
9	Precision Medicine: Genetic Repair of Retinitis Pigmentosa in Patient-Derived Stem Cells. Scientific Reports, 2016, 6, 19969.	3.3	135
10	A Comparison of Fundus Autofluorescence and Retinal Structure in Patients with Stargardt Disease. , 2009, 50, 3953.		128
11	Analysis of the ABCA4 genomic locus in Stargardt disease. Human Molecular Genetics, 2014, 23, 6797-6806.	2.9	117
12	Differentiation of hypothalamic-like neurons from human pluripotent stem cells. Journal of Clinical Investigation, 2015, 125, 796-808.	8.2	112
13	Gene therapy and genome surgery in the retina. Journal of Clinical Investigation, 2018, 128, 2177-2188.	8.2	111
14	Clustered Regularly Interspaced Short Palindromic Repeats-Based Genome Surgery for the Treatment of Autosomal Dominant Retinitis Pigmentosa. Ophthalmology, 2018, 125, 1421-1430.	5.2	100
15	STRUCTURAL ASSESSMENT OF HYPERAUTOFLUORESCENT RING IN PATIENTS WITH RETINITIS PIGMENTOSA. Retina, 2009, 29, 1025-1031.	1.7	98
16	CRISPR Repair Reveals Causative Mutation in a Preclinical Model of Retinitis Pigmentosa. Molecular Therapy, 2016, 24, 1388-1394.	8.2	93
17	G1961E mutant allele in the Stargardt disease gene ABCA4 causes bull's eye maculopathy. Experimental Eye Research, 2009, 89, 16-24.	2.6	90
18	Quantitative Fundus Autofluorescence and Optical Coherence Tomography in Best Vitelliform Macular Dystrophy. , 2014, 55, 1471.		89

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19	Phototransduction Influences Metabolic Flux and Nucleotide Metabolism in Mouse Retina. Journal of Biological Chemistry, 2016, 291, 4698-4710.	3.4	87
20	Validation of genome-wide association study (GWAS)-identified disease risk alleles with patient-specific stem cell lines. Human Molecular Genetics, 2014, 23, 3445-3455.	2.9	86
21	Allelic and phenotypic heterogeneity inABCA4mutations. Ophthalmic Genetics, 2011, 32, 165-174.	1.2	85
22	Comparison of Near-Infrared and Short-Wavelength Autofluorescence in Retinitis Pigmentosa. , 2013, 54, 585.		83
23	Reprogramming metabolism by targeting sirtuin 6 attenuates retinal degeneration. Journal of Clinical Investigation, 2016, 126, 4659-4673.	8.2	82
24	Retinal Phenotypes in Patients Homozygous for the G1961E Mutation in theABCA4Gene. , 2012, 53, 4458.		81
25	Multimodal Imaging of Central Retinal Disease Progression in a 2-Year Mean Follow-up of Retinitis Pigmentosa. American Journal of Ophthalmology, 2015, 160, 786-798.e4.	3.3	81
26	Gene Therapy in Patient-specific Stem Cell Lines and a Preclinical Model of Retinitis Pigmentosa With Membrane Frizzled-related Protein Defects. Molecular Therapy, 2014, 22, 1688-1697.	8.2	80
27	<scp>HTRA</scp>1, an ageâ€related macular degeneration protease, processes extracellular matrix proteins <scp>EFEMP</scp>1 and <scp>TSP</scp>1. Aging Cell, 2018, 17, e12710.	6.7	79
28	Progressive Constriction of the Hyperautofluorescent Ring in Retinitis Pigmentosa. American Journal of Ophthalmology, 2012, 153, 718-727.e2.	3.3	75
29	Quantitative Fundus Autofluorescence Distinguishes ABCA4-Associated and Nonâ€“ABCA4-Associated Bull's-Eye Maculopathy. Ophthalmology, 2015, 122, 345-355.	5.2	75
30	General Pathophysiology in Retinal Degeneration. Developments in Ophthalmology, 2014, 53, 33-43.	0.1	74
31	Transplantation of Reprogrammed Embryonic Stem Cells Improves Visual Function in a Mouse Model for Retinitis Pigmentosa. Transplantation, 2010, 89, 911-919.	1.0	71
32	Correlations Among Near-Infrared and Short-Wavelength Autofluorescence and Spectral-Domain Optical Coherence Tomography in Recessive Stargardt Disease. Investigative Ophthalmology and Visual Science, 2014, 55, 8134-8143.	3.3	69
33	Halting progressive neurodegeneration in advanced retinitis pigmentosa. Journal of Clinical Investigation, 2015, 125, 3704-3713.	8.2	68
34	Novel Phenotypic and Genotypic Findings in X-Linked Retinoschisis. JAMA Ophthalmology, 2007, 125, 259.	2.4	62
35	Whole Exome Sequencing Identifies CRB1 Defect in an Unusual Maculopathy Phenotype. Ophthalmology, 2014, 121, 1773-1782.	5.2	62
36	PREFERRED RETINAL LOCUS IN MACULAR DISEASE. Retina, 2008, 28, 1234-1240.	1.7	61

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37	Extremely hypomorphic and severe deep intronic variants in the ABCA4 locus result in varying Stargardt disease phenotypes. Journal of Physical Education and Sports Management, 2018, 4, a002733.	1.2	61
38	Gene and cellâ€based therapies for inherited retinal disorders: An update. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2016, 172, 349-366.	1.6	60
39	Modulation of Phosphodiesterase6 Turnoff during Background Illumination in Mouse Rod Photoreceptors. Journal of Neuroscience, 2008, 28, 2064-2074.	3.6	59
40	Spectral-Domain Optical Coherence Tomography Staging and Autofluorescence Imaging in Achromatopsia. JAMA Ophthalmology, 2014, 132, 437.	2.5	58
41	Ciliopathy: Bardet-Biedl Syndrome. Advances in Experimental Medicine and Biology, 2018, 1085, 171-174.	1.6	58
42	Functional Rescue of Degenerating Photoreceptors in Mice Homozygous for a Hypomorphic cGMP Phosphodiesterase 6 b Allele (Pde6b^{H620Q}). , 2008, 49, 5067.		57
43	STRUCTURAL AND FUNCTIONAL CHANGES ASSOCIATED WITH NORMAL AND ABNORMAL FUNDUS AUTOFLUORESCENCE IN PATIENTS WITH RETINITIS PIGMENTOSA. Retina, 2012, 32, 349-357.	1.7	57
44	Quantitative Fundus Autofluorescence and Optical Coherence Tomography inPRPH2/RDS- andABCA4-Associated Disease Exhibiting Phenotypic Overlap. , 2015, 56, 3159.		56
45	Quantifying Fundus Autofluorescence in Patients With Retinitis Pigmentosa. , 2017, 58, 1843.		56
46	Gene therapy in inherited retinal degenerative diseases, a review. Ophthalmic Genetics, 2018, 39, 560-568.	1.2	55
47	Gene therapy provides long-term visual function in a pre-clinical model of retinitis pigmentosa. Human Molecular Genetics, 2013, 22, 558-567.	2.9	54
48	The External Limiting Membrane in Early-Onset Stargardt Disease. , 2014, 55, 6139.		54
49	Precision Medicine. JAMA Ophthalmology, 2016, 134, 444.	2.5	54
50	The unfolded protein response regulator ATF6 promotes mesodermal differentiation. Science Signaling, 2018, 11, .	3.6	54
51	A Novel Mutation and Phenotypes in Phosphodiesterase 6 Deficiency. American Journal of Ophthalmology, 2008, 146, 780-788.e1.	3.3	51
52	Measurement and Reproducibility of Preserved Ellipsoid Zone Area and Preserved Retinal Pigment Epithelium Area in Eyes With Choroideremia. American Journal of Ophthalmology, 2017, 179, 110-117.	3.3	51
53	Achromatopsia mutations target sequential steps of ATF6 activation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 400-405.	7.1	50
54	Two pathways of rod photoreceptor cell death induced by elevated cGMP. Human Molecular Genetics, 2017, 26, 2299-2306.	2.9	49

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55	Leber Congenital Amaurosis. Advances in Experimental Medicine and Biology, 2018, 1085, 131-137.	1.6	49
56	Patients and animal models of CNGÎ²1-deficient retinitis pigmentosa support gene augmentation approach. Journal of Clinical Investigation, 2017, 128, 190-206.	8.2	48
57	Retrospective Analysis of Structural Disease Progression in Retinitis Pigmentosa Utilizing Multimodal Imaging. Scientific Reports, 2017, 7, 10347.	3.3	46
58	Quantification of Peripapillary Sparing and Macular Involvement in Stargardt Disease (STGD1). , 2011, 52, 8006.		45
59	Evaluation of multimodal imaging in carriers of X-linked retinitis pigmentosa. Experimental Eye Research, 2013, 113, 41-48.	2.6	45
60	Personalized therapeutic strategies for patients with retinitis pigmentosa. Expert Opinion on Biological Therapy, 2015, 15, 391-402.	3.1	43
61	BESTROPHIN1mutations cause defective chloride conductance in patient stem cell-derived RPE. Human Molecular Genetics, 2016, 25, ddw126.	2.9	43
62	Patient-specific mutations impair BESTROPHIN1â€™s essential role in mediating Ca2+-dependent Cl-currents in human RPE. ELife, 2017, 6, .	6.0	43
63	Characterization of Retinal Structure in ATF6-Associated Achromatopsia. , 2019, 60, 2631.		43
64	Adeno-Associated Viral Gene Therapy for Inherited Retinal Disease. Pharmaceutical Research, 2019, 36, 34.	3.5	43
65	Gene Therapy Restores Mfrp and Corrects Axial Eye Length. Scientific Reports, 2017, 7, 16151.	3.3	41
66	Retinitis Pigmentosa (Non-syndromic). Advances in Experimental Medicine and Biology, 2018, 1085, 125-130.	1.6	41
67	Transgenic mice carrying theH258N mutation in the gene encoding the Î²-subunit of phosphodiesterase-6 (PDE6B) provide a model for human congenital stationary night blindness. Human Mutation, 2007, 28, 243-254.	2.5	40
68	Therapy in Rhodopsin-Mediated Autosomal Dominant Retinitis Pigmentosa. Molecular Therapy, 2020, 28, 2139-2149.	8.2	40
69	CAPN5mutation in hereditary uveitis: the R243L mutation increases calpain catalytic activity and triggers intraocular inflammation in a mouse model. Human Molecular Genetics, 2015, 24, 4584-4598.	2.9	39
70	Complex inheritance of ABCA4 disease: four mutations in a family with multiple macular phenotypes. Human Genetics, 2016, 135, 9-19.	3.8	39
71	The Rapid-Onset Chorioretinopathy Phenotype of ABCA4 Disease. Ophthalmology, 2018, 125, 89-99.	5.2	39
72	BEST1: the Best Target for Gene and Cell Therapies. Molecular Therapy, 2015, 23, 1805-1809.	8.2	38

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73	Correction of Monogenic and Common Retinal Disorders with Gene Therapy. Genes, 2017, 8, 53.	2.4	37
74	Quantitative progression of retinitis pigmentosa by optical coherence tomography angiography. Scientific Reports, 2018, 8, 13130.	3.3	37
75	Gene therapy for inherited retinal diseases. Annals of Translational Medicine, 2021, 9, 1278-1278.	1.7	36
76	Functional validation of a human CAPN5 exome variant by lentiviral transduction into mouse retina. Human Molecular Genetics, 2014, 23, 2665-2677.	2.9	35
77	Choroidal and Retinal Thickening in Severe Preeclampsia. , 2014, 55, 5723.		35
78	Mid-stage intervention achieves similar efficacy as conventional early-stage treatment using gene therapy in a pre-clinical model of retinitis pigmentosa. Human Molecular Genetics, 2014, 23, 514-523.	2.9	35
79	Structural Modeling of a Novel CAPN5 Mutation that Causes Uveitis and Neovascular Retinal Detachment. PLoS ONE, 2015, 10, e0122352.	2.5	35
80	Stem Cell Therapies in Retinal Disorders. Cells, 2017, 6, 4.	4.1	35
81	Stargardt Disease. Advances in Experimental Medicine and Biology, 2018, 1085, 139-151.	1.6	35
82	Proteomic analysis of the human retina reveals region-specific susceptibilities to metabolic- and oxidative stress-related diseases. PLoS ONE, 2018, 13, e0193250.	2.5	35
83	Autofluorescence Imaging and Spectral-Domain Optical Coherence Tomography in Incomplete Congenital Stationary Night Blindness and Comparison With Retinitis Pigmentosa. American Journal of Ophthalmology, 2012, 153, 143-154.e2.	3.3	34
84	Disease progression in autosomal dominant coneâ€“rod dystrophy caused by a novel mutation (D100G) in the GUCA1A gene. Documenta Ophthalmologica, 2014, 128, 59-67.	2.2	34
85	Personalized Proteomics in Proliferative Vitreoretinopathy Implicate Hematopoietic Cell Recruitment and mTOR as a Therapeutic Target. American Journal of Ophthalmology, 2018, 186, 152-163.	3.3	34
86	Therapeutic Margins in a Novel Preclinical Model of Retinitis Pigmentosa. Journal of Neuroscience, 2013, 33, 13475-13483.	3.6	33
87	Personalized Proteomics for Precision Health: Identifying Biomarkers of Vitreoretinal Disease. Translational Vision Science and Technology, 2018, 7, 12.	2.2	33
88	Extracellular superoxide dismutase (SOD3) regulates oxidative stress at the vitreoretinal interface. Free Radical Biology and Medicine, 2018, 124, 408-419.	2.9	32
89	Genotypic spectrum and phenotype correlations of ABCA4-associated disease in patients of south Asian descent. European Journal of Human Genetics, 2017, 25, 735-743.	2.8	31
90	Distinct Imprinting Signatures and Biased Differentiation of Human Androgenetic and Parthenogenetic Embryonic Stem Cells. Cell Stem Cell, 2019, 25, 419-432.e9.	11.1	31

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91	Structural and Genetic Assessment of theABCA4-Associated Optical Gap Phenotype. , 2014, 55, 7217.		30
92	New syndrome with retinitis pigmentosa is caused by nonsense mutations in retinol dehydrogenase RDH11. Human Molecular Genetics, 2014, 23, 5774-5780.	2.9	30
93	Laser-Induced Photic Injury Phenocopies Macular Dystrophy. Ophthalmic Genetics, 2016, 37, 59-67.	1.2	30
94	Reprogramming towards anabolism impedes degeneration in a preclinical model of retinitis pigmentosa. Human Molecular Genetics, 2016, 25, 4244-4255.	2.9	30
95	Metabolite therapy guided by liquid biopsy proteomics delays retinal neurodegeneration. EBioMedicine, 2020, 52, 102636.	6.1	30
96	Bardet-Biedl syndrome proteins regulate intracellular signaling and neuronal function in patient-specific iPSC-derived neurons. Journal of Clinical Investigation, 2021, 131, .	8.2	30
97	Calpain-5 Expression in the Retina Localizes to Photoreceptor Synapses. , 2016, 57, 2509.		29
98	Quantitative Fundus Autofluorescence and Optical Coherence Tomography inABCA4Carriers. , 2015, 56, 7274.		28
99	Unilateral Retinitis Pigmentosa: A Proposal of Genetic Pathogenic Mechanisms. European Journal of Ophthalmology, 2012, 22, 654-660.	1.3	27
100	Abnormality in the external limiting membrane in early Stargardt Disease. Ophthalmic Genetics, 2013, 34, 75-77.	1.2	27
101	CRISPR applications in ophthalmologic genome surgery. Current Opinion in Ophthalmology, 2017, 28, 252-259.	2.9	27
102	Ciliopathy: Usher Syndrome. Advances in Experimental Medicine and Biology, 2018, 1085, 167-170.	1.6	27
103	A caseâ€“control collapsing analysis identifies retinal dystrophy genes associated with ophthalmic disease in patients with no pathogenic ABCA4 variants. Genetics in Medicine, 2019, 21, 2336-2344.	2.4	27
104	Investigation and Restoration of BEST1 Activity in Patient-derived RPEs with Dominant Mutations. Scientific Reports, 2019, 9, 19026.	3.3	27
105	Mitochondrial Disorder: Kearns-Sayre Syndrome. Advances in Experimental Medicine and Biology, 2018, 1085, 161-162.	1.6	27
106	Therapeutic drug repositioning using personalized proteomics of liquid biopsies. JCI Insight, 2017, 2, .	5.0	27
107	Lentivirus-mediated expression of cDNA and shRNA slows degeneration in retinitis pigmentosa. Experimental Biology and Medicine, 2011, 236, 1211-1217.	2.4	26
108	Patient-Specific iPSC-Derived RPE for Modeling of Retinal Diseases. Journal of Clinical Medicine, 2015, 4, 567-578.	2.4	26

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109	MULTIMODAL IMAGING OF DISEASE-ASSOCIATED PIGMENTARY CHANGES IN RETINITIS PIGMENTOSA. Retina, 2016, 36, S147-S158.	1.7	26
110	Personalized Medicine: Cell and Gene Therapy Based on Patient-Specific iPSC-Derived Retinal Pigment Epithelium Cells. Advances in Experimental Medicine and Biology, 2016, 854, 549-555.	1.6	26
111	Genetic rescue models refute nonautonomous rod cell death in retinitis pigmentosa. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5259-5264.	7.1	26
112	Electroretinography Reveals Difference in Cone Function between Syndromic and Nonsyndromic USH2A Patients. Scientific Reports, 2017, 7, 11170.	3.3	26
113	Multimodal Imaging in Best Vitelliform Macular Dystrophy. , 2019, 60, 2012.		26
114	shRNA knockdown ofâ€‚guanylate cyclase 2eâ€‚,orâ€‚cyclic nucleotide gated channel alpha 1â€‚increases photoreceptor survival in a cGMPâ€‚phosphodiesteraseâ€‚mouse model of retinitis pigmentosa. Journal of Cellular and Molecular Medicine, 2011, 15, 1778-1787.	3.6	25
115	A Comparison of En Face Optical Coherence Tomography and Fundus Autofluorescence in Stargardt Disease. , 2017, 58, 5227.		25
116	Revolution in Gene Medicine Therapy and Genome Surgery. Genes, 2018, 9, 575.	2.4	25
117	Mutations inGPR143/OA1andABCA4Inform Interpretations of Short-Wavelength and Near-Infrared Fundus Autofluorescence. , 2018, 59, 2459.		25
118	Cis-acting modifiers in the ABCA4 locus contribute to the penetrance of the major disease-causing variant in Stargardt disease. Human Molecular Genetics, 2021, 30, 1293-1304.	2.9	25
119	Subretinal Injection of Gene Therapy Vectors and Stem Cells in the Perinatal Mouse Eye. Journal of Visualized Experiments, 2012, , .	0.3	24
120	Quantitative Autofluorescence Intensities in Acute Zonal Occult Outer Retinopathy vs Healthy Eyes. JAMA Ophthalmology, 2017, 135, 1330.	2.5	24
121	Autosomal Dominant Retinitis Pigmentosa. Advances in Experimental Medicine and Biology, 2018, 1085, 69-77.	1.6	24
122	Two-year progression analysis of RPE65 autosomal dominant retinitis pigmentosa. Ophthalmic Genetics, 2018, 39, 544-549.	1.2	24
123	Effects of deficiency in the RLBP1-encoded visual cycle protein CRALBP on visual dysfunction in humans and mice. Journal of Biological Chemistry, 2020, 295, 6767-6780.	3.4	24
124	Fundus autofluorescence in cone dystrophy. Documenta Ophthalmologica, 2009, 119, 141-144.	2.2	23
125	Loss of peripapillary sparing in non-group I Stargardt disease. Experimental Eye Research, 2010, 91, 592-600.	2.6	23
126	Neuroretinal hypoxic signaling in a new preclinical murine model for proliferative diabetic retinopathy. Signal Transduction and Targeted Therapy, 2016, 1, .	17.1	23

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127	Peripapillary sparing in RDH12-associated Leber congenital amaurosis. Ophthalmic Genetics, 2017, 38, 575-579.	1.2	23
128	Structural modeling of a novel <scp>SLC</scp>38A8 mutation that causes foveal hypoplasia. Molecular Genetics & Genomic Medicine, 2017, 5, 202-209.	1.2	23
129	A novel de novo CAPN5 mutation in a patient with inflammatory vitreoretinopathy, hearing loss, and developmental delay. Journal of Physical Education and Sports Management, 2018, 4, a002519.	1.2	23
130	A Distinct Phenotype of Eyes Shut Homolog (EYS)-Retinitis Pigmentosa Is Associated With Variants Near the C-Terminus. American Journal of Ophthalmology, 2018, 190, 99-112.	3.3	23
131	Disruption of the human cone photoreceptor mosaic from a defect in NR2E3 transcription factor function in young adults. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 2299-2309.	1.9	22
132	Cellular imaging demonstrates genetic mosaicism in heterozygous carriers of an X-linked ciliopathy gene. European Journal of Human Genetics, 2013, 21, 1240-1248.	2.8	22
133	Bilateral Concordance of the Fundus Hyperautofluorescent Ring in Typical Retinitis Pigmentosa Patients. Ophthalmic Genetics, 2015, 36, 113-122.	1.2	22
134	Vigabatrin-Induced Retinal Toxicity Is Partially Mediated by Signaling in Rod and Cone Photoreceptors. PLoS ONE, 2012, 7, e43889.	2.5	22
135	Mice with a D190N Mutation in the Gene Encoding Rhodopsin: A Model for Human Autosomal-Dominant Retinitis Pigmentosa. Molecular Medicine, 2012, 18, 549-555.	4.4	21
136	A novel RPGR mutation masquerading as Stargardt disease. British Journal of Ophthalmology, 2014, 98, 709-711.	3.9	21
137	Spectrum of Disease Severity and Phenotype in Choroideremia Carriers. American Journal of Ophthalmology, 2019, 207, 77-86.	3.3	21
138	Early Structural Anomalies Observed by High-Resolution Imaging in Two Related Cases of Autosomal-Dominant Retinitis Pigmentosa. Ophthalmic Surgery Lasers and Imaging Retina, 2014, 45, 469-473.	0.7	21
139	Phenotype-Genotype Correlations in Autosomal Dominant Retinitis Pigmentosa Caused by RHO, D190N. Current Eye Research, 2008, 33, 1014-1022.	1.5	20
140	Ciliopathy: AlstrÃ¶m Syndrome. Advances in Experimental Medicine and Biology, 2018, 1085, 179-180.	1.6	20
141	Fundus autofluorescence and ellipsoid zone (EZ) line width can be an outcome measurement in RHO-associated autosomal dominant retinitis pigmentosa. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 725-731.	1.9	20
142	Treatment-Emergent Adverse Events in Gene Therapy Trials for Inherited Retinal Diseases: A Narrative Review. Ophthalmology and Therapy, 2020, 9, 709-724.	2.3	20
143	Progressive Cone Dystrophy and Cone-Rod Dystrophy (XL, AD, and AR). Advances in Experimental Medicine and Biology, 2018, 1085, 53-60.	1.6	20
144	Case Report: Autofluorescence Imaging and Phenotypic Variance in a Sibling Pair with Early-Onset Retinal Dystrophy Due to Defective CRB1 Function. Current Eye Research, 2009, 34, 395-400.	1.5	19

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145	Treatment of Macular Degeneration with Sildenafil: Results of a Two-Year Trial. Ophthalmologica, 2018, 240, 45-54.	1.9	19
146	X-linked Retinitis Pigmentosa. Advances in Experimental Medicine and Biology, 2018, 1085, 31-35.	1.6	19
147	Structural disease progression in PDE6-associated autosomal recessive retinitis pigmentosa. Ophthalmic Genetics, 2018, 39, 610-614.	1.2	19
148	Quantitative Comparison of Near-infrared Versus Short-wave Autofluorescence Imaging in Monitoring Progression of Retinitis Pigmentosa. American Journal of Ophthalmology, 2018, 194, 120-125.	3.3	19
149	Multimodal structural disease progression of retinitis pigmentosa according to mode of inheritance. Scientific Reports, 2019, 9, 10712.	3.3	19
150	VCANCanonical Splice Site Mutation is Associated With Vitreoretinal Degeneration and Disrupts an MMP Proteolytic Site. , 2019, 60, 282.		19
151	Phase transition specified by a binary code patterns the vertebrate eye cup. Science Advances, 2021, 7, eabj9846.	10.3	19
152	Mouse Eye Enucleation for Remote High-throughput Phenotyping. Journal of Visualized Experiments, 2011, , .	0.3	18
153	Disruption in Bruch membrane in patients with Stargardt disease. Ophthalmic Genetics, 2012, 33, 49-52.	1.2	18
154	Complication of Autologous Stem Cell Transplantation in Retinitis Pigmentosa. JAMA Ophthalmology, 2016, 134, 711.	2.5	18
155	Evaluating Structural Progression of Retinitis Pigmentosa After Cataract Surgery. American Journal of Ophthalmology, 2017, 180, 117-123.	3.3	18
156	Reprogramming the metabolome rescues retinal degeneration. Cellular and Molecular Life Sciences, 2018, 75, 1559-1566.	5.4	18
157	Translation of CRISPR Genome Surgery to the Bedside for Retinal Diseases. Frontiers in Cell and Developmental Biology, 2018, 6, 46.	3.7	18
158	The positive role of the carboxyl terminus of the Î³ subunit of retinal cGMP-phosphodiesterase in maintaining phosphodiesterase activity in vivo. Vision Research, 2002, 42, 439-445.	1.4	17
159	Electronegative electroretinogram associated with topiramate toxicity and vitelliform maculopathy. Documenta Ophthalmologica, 2008, 116, 57-60.	2.2	17
160	Next-generation Sequencing Revealed a Novel Mutation in the Gene Encoding the Beta Subunit of Rod Phosphodiesterase. Ophthalmic Genetics, 2014, 35, 142-150.	1.2	17
161	HMGB1 and Caveolin-1 related to RPE cell senescence in age-related macular degeneration. Aging, 2019, 11, 4323-4337.	3.1	17
162	Modification of the PROM1 disease phenotype by a mutation in ABCA4. Ophthalmic Genetics, 2019, 40, 369-375.	1.2	17

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163	Multi-platform imaging in ABCA4-Associated Disease. Scientific Reports, 2019, 9, 6436.	3.3	17
164	Ciliopathy: Senior-LÃ¸ken Syndrome. Advances in Experimental Medicine and Biology, 2018, 1085, 175-178.	1.6	17
165	Functional Analysis of Retinal Flecks in Stargardt Disease. Journal of Clinical & Experimental Ophthalmology, 2012, 03, .	0.1	17
166	Emerging Treatments for Retinitis Pigmentosa: Genes and stem cells, as well as new electronic and medical therapies, are gaining ground. Retinal Physician, 2015, 12, 52-70.	3.0	17
167	Retinal Damage in Chloroquine Maculopathy, Revealed by High Resolution Imaging: A Case Report Utilizing Adaptive Optics Scanning Laser Ophthalmoscopy. Korean Journal of Ophthalmology: KJO, 2014, 28, 100.	1.1	16
168	Genetic Rescue Reverses Microglial Activation in Preclinical Models of Retinitis Pigmentosa. Molecular Therapy, 2018, 26, 1953-1964.	8.2	16
169	CLIC4 regulates late endosomal trafficking and matrix degradation activity of MMP14 at focal adhesions in RPE cells. Scientific Reports, 2019, 9, 12247.	3.3	16
170	CNGB1 â€related rodâ€cone dystrophy: A mutation review and update. Human Mutation, 2021, 42, 641-666.	2.5	16
171	A genotype-phenotype correlation matrix for ABCA4 disease based on long-term prognostic outcomes. JCI Insight, 2022, 7, .	5.0	16
172	CRISPR genome surgery in a novel humanized model for autosomal dominant retinitis pigmentosa. Molecular Therapy, 2022, 30, 1407-1420.	8.2	16
173	MULTIMODAL IMAGING IN A CASE OF DEFEROXAMINE-INDUCED MACULOPATHY. Retinal Cases and Brief Reports, 2014, 8, 306-309.	0.6	15
174	Rapid resolution of retinoschisis with acetazolamide. Documenta Ophthalmologica, 2015, 131, 63-70.	2.2	15
175	Viral Vectors, Engineered Cells and the CRISPR Revolution. Advances in Experimental Medicine and Biology, 2017, 1016, 3-27.	1.6	15
176	CRISPR-Cas Genome Surgery in Ophthalmology. Translational Vision Science and Technology, 2017, 6, 13.	2.2	15
177	Mitochondrial Disorder: Maternally Inherited Diabetes and Deafness. Advances in Experimental Medicine and Biology, 2018, 1085, 163-165.	1.6	15
178	Comparison of structural progression between ciliopathy and non-ciliopathy associated with autosomal recessive retinitis pigmentosa. Orphanet Journal of Rare Diseases, 2019, 14, 187.	2.7	15
179	Familial discordance in Stargardt disease. Molecular Vision, 2012, 18, 227-33.	1.1	15
180	Rod metabolic demand drives progression in retinopathies. Taiwan Journal of Ophthalmology, 2015, 5, 105-108.	0.7	14

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