Stephen H Tsang

List of Publications by Citations

342 papers	6,728 citations	44 h-index	65 g-index
361 ext. papers	8,127 ext. citations	5.1 avg, IF	6.24 L-index

#	Paper	IF	Citations
342	A drosophila genetic resource of mutants to study mechanisms underlying human genetic diseases. *Cell*, **2014**, 159, 200-214	56.2	239
341	Unexpected mutations after CRISPR-Cas9 editing in vivo. *Nature Methods*, **2017**, 14, 547-548	21.6	233
340	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. *Nature Genetics*, **2015**, 47, 757-65	36.3	143
339	Long-term safety and efficacy of human-induced pluripotent stem cell (iPS) grafts in a preclinical model of retinitis pigmentosa. *Molecular Medicine*, **2012**, 18, 1312-9	6.2	136
338	Quantitative fundus autofluorescence in recessive Stargardt disease **2014**, 55, 2841-52		127
337	Precision Medicine: Genetic Repair of Retinitis Pigmentosa in Patient-Derived Stem Cells. *Scientific Reports*, **2016**, 6, 19969	4.9	112
336	A comparison of fundus autofluorescence and retinal structure in patients with Stargardt disease **2009**, 50, 3953-9		111
335	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	5.8	97
334	Analysis of the ABCA4 genomic locus in Stargardt disease. *Human Molecular Genetics*, **2014**, 23, 6797-806	5.6	95
333	Viral Delivery Systems for CRISPR. *Viruses*, **2019**, 11,	6.2	92
332	Structural assessment of hyperautofluorescent ring in patients with retinitis pigmentosa. *Retina*, **2009**, 29, 1025-31	3.6	89
331	Differentiation of hypothalamic-like neurons from human pluripotent stem cells. *Journal of Clinical Investigation*, **2015**, 125, 796-808	15.9	84
330	G1961E mutant allele in the Stargardt disease gene ABCA4 causes bull's eye maculopathy. *Experimental Eye Research*, **2009**, 89, 16-24	3.7	76
329	Gene therapy and genome surgery in the retina. *Journal of Clinical Investigation*, **2018**, 128, 2177-2188	15.9	76
328	Allele-Specific Chromosome Removal after Cas9 Cleavage in Human Embryos. *Cell*, **2020**, 183, 1650-1664.e15	36.5	75
327	Validation of genome-wide association study (GWAS)-identified disease risk alleles with patient-specific stem cell lines. *Human Molecular Genetics*, **2014**, 23, 3445-55	5.6	74
326	Quantitative fundus autofluorescence and optical coherence tomography in best vitelliform macular dystrophy **2014**, 55, 1471-82		74

325	CRISPR Repair Reveals Causative Mutation in a Preclinical Model of Retinitis Pigmentosa. *Molecular Therapy*, **2016**, 24, 1388-94	11.7	74
324	Allelic and phenotypic heterogeneity in ABCA4 mutations. *Ophthalmic Genetics*, **2011**, 32, 165-74	1.2	73
323	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, 1688-97	11.7	71
322	Comparison of near-infrared and short-wavelength autofluorescence in retinitis pigmentosa **2013**, 54, 585-91		71
321	Multimodal Imaging of Central Retinal Disease Progression in a 2-Year Mean Follow-up of Retinitis Pigmentosa. *American Journal of Ophthalmology*, **2015**, 160, 786-98.e4	4.9	67
320	Clustered Regularly Interspaced Short Palindromic Repeats-Based Genome Surgery for the Treatment of Autosomal Dominant Retinitis Pigmentosa. *Ophthalmology*, **2018**, 125, 1421-1430	7.3	65
319	Progressive constriction of the hyperautofluorescent ring in retinitis pigmentosa. *American Journal of Ophthalmology*, **2012**, 153, 718-27, 727.e1-2	4.9	65
318	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, 8134-43		62
317	Transplantation of reprogrammed embryonic stem cells improves visual function in a mouse model for retinitis pigmentosa. *Transplantation*, **2010**, 89, 911-9	1.8	62
316	Retinal phenotypes in patients homozygous for the G1961E mutation in the ABCA4 gene **2012**, 53, 4458-67		61
315	Quantitative fundus autofluorescence distinguishes ABCA4-associated and non-ABCA4-associated bull's-eye maculopathy. *Ophthalmology*, **2015**, 122, 345-55	7.3	60
314	Phototransduction Influences Metabolic Flux and Nucleotide Metabolism in Mouse Retina. *Journal of Biological Chemistry*, **2016**, 291, 4698-710	5.4	58
313	Modulation of phosphodiesterase6 turnoff during background illumination in mouse rod photoreceptors. *Journal of Neuroscience*, **2008**, 28, 2064-74	6.6	54
312	Novel phenotypic and genotypic findings in X-linked retinoschisis. *JAMA Ophthalmology*, **2007**, 125, 259-67		53
311	Preferred retinal locus in macular disease: characteristics and clinical implications. *Retina*, **2008**, 28, 1234-40	3.6	52
310	Reprogramming metabolism by targeting sirtuin 6 attenuates retinal degeneration. *Journal of Clinical Investigation*, **2016**, 126, 4659-4673	15.9	52
309	Whole exome sequencing identifies CRB1 defect in an unusual maculopathy phenotype. *Ophthalmology*, **2014**, 121, 1773-82	7.3	51
308	Gene and cell-based therapies for inherited retinal disorders: An update. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2016**, 172, 349-366	3.1	50

307	Spectral-domain optical coherence tomography staging and autofluorescence imaging in achromatopsia. *JAMA Ophthalmology*, **2014**, 132, 437-45	3.9	50
306	Functional rescue of degenerating photoreceptors in mice homozygous for a hypomorphic cGMP phosphodiesterase 6 b allele (Pde6bH620Q) **2008**, 49, 5067-76		50
305	Halting progressive neurodegeneration in advanced retinitis pigmentosa. *Journal of Clinical Investigation*, **2015**, 125, 3704-13	15.9	49
304	Quantifying Fundus Autofluorescence in Patients With Retinitis Pigmentosa **2017**, 58, 1843-1855		48
303	Gene therapy provides long-term visual function in a pre-clinical model of retinitis pigmentosa. *Human Molecular Genetics*, **2013**, 22, 558-67	5.6	47
302	Structural and functional changes associated with normal and abnormal fundus autofluorescence in patients with retinitis pigmentosa. *Retina*, **2012**, 32, 349-57	3.6	46
301	The external limiting membrane in early-onset Stargardt disease **2014**, 55, 6139-49		45
300	A novel mutation and phenotypes in phosphodiesterase 6 deficiency. *American Journal of Ophthalmology*, **2008**, 146, 780-8	4.9	45
299	Extremely hypomorphic and severe deep intronic variants in the locus result in varying Stargardt disease phenotypes. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	45
298	Precision Medicine: Personalized Proteomics for the Diagnosis and Treatment of Idiopathic Inflammatory Disease. *JAMA Ophthalmology*, **2016**, 134, 444-8	3.9	44
297	General pathophysiology in retinal degeneration. *Developments in Ophthalmology*, **2014**, 53, 33-43		44
296	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	4.9	43
295	Quantitative Fundus Autofluorescence and Optical Coherence Tomography in PRPH2/RDS- and ABCA4-Associated Disease Exhibiting Phenotypic Overlap **2015**, 56, 3159-70		43
294	Gene therapy in inherited retinal degenerative diseases, a review. *Ophthalmic Genetics*, **2018**, 39, 560-568	2.2	42
293	Retrospective Analysis of Structural Disease Progression in Retinitis Pigmentosa Utilizing Multimodal Imaging. *Scientific Reports*, **2017**, 7, 10347	4.9	39
292	Quantification of peripapillary sparing and macular involvement in Stargardt disease (STGD1) **2011**, 52, 8006-15		39
291	HTRA1, an age-related macular degeneration protease, processes extracellular matrix proteins EFEMP1 and TSP1. *Aging Cell*, **2018**, 17, e12710	9.9	38
290	Personalized therapeutic strategies for patients with retinitis pigmentosa. *Expert Opinion on Biological Therapy*, **2015**, 15, 391-402	5.4	38

289	Evaluation of multimodal imaging in carriers of X-linked retinitis pigmentosa. *Experimental Eye Research*, **2013**, 113, 41-8	3.7	35
288	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	11.5	34
287	BEST1: the Best Target for Gene and Cell Therapies. *Molecular Therapy*, **2015**, 23, 1805-9	11.7	34
286	The unfolded protein response regulator ATF6 promotes mesodermal differentiation. *Science Signaling*, **2018**, 11,	8.8	34
285	Two pathways of rod photoreceptor cell death induced by elevated cGMP. *Human Molecular Genetics*, **2017**, 26, 2299-2306	5.6	33
284	Complex inheritance of ABCA4 disease: four mutations in a family with multiple macular phenotypes. *Human Genetics*, **2016**, 135, 9-19	6.3	33
283	Transgenic mice carrying the H258N mutation in the gene encoding the beta-subunit of phosphodiesterase-6 (PDE6B) provide a model for human congenital stationary night blindness. *Human Mutation*, **2007**, 28, 243-54	4.7	33
282	BESTROPHIN1 mutations cause defective chloride conductance in patient stem cell-derived RPE. *Human Molecular Genetics*, **2016**, 25, 2672-2680	5.6	33
281	CAPN5 mutation in hereditary uveitis: the R243L mutation increases calpain catalytic activity and triggers intraocular inflammation in a mouse model. *Human Molecular Genetics*, **2015**, 24, 4584-98	5.6	30
280	Patient-specific mutations impair BESTROPHIN1's essential role in mediating Ca-dependent Cl currents in human RPE. *ELife*, **2017**, 6,	8.9	30
279	Patients and animal models of CNGβ1-deficient retinitis pigmentosa support gene augmentation approach. *Journal of Clinical Investigation*, **2018**, 128, 190-206	15.9	30
278	Correction of Monogenic and Common Retinal Disorders with Gene Therapy. *Genes*, **2017**, 8,	4.2	29
277	Structural modeling of a novel CAPN5 mutation that causes uveitis and neovascular retinal detachment. *PLoS ONE*, **2015**, 10, e0122352	3.7	29
276	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, 514-23	5.6	28
275	Gene Therapy Restores Mfrp and Corrects Axial Eye Length. *Scientific Reports*, **2017**, 7, 16151	4.9	28
274	Stem Cell Therapies in Retinal Disorders. *Cells*, **2017**, 6,	7.9	28
273	Choroidal and retinal thickening in severe preeclampsia **2014**, 55, 5723-9		28
272	Ciliopathy: Bardet-Biedl Syndrome. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 171-174	3.6	28

271	Characterization of Retinal Structure in ATF6-Associated Achromatopsia **2019**, 60, 2631-2640		27
270	New syndrome with retinitis pigmentosa is caused by nonsense mutations in retinol dehydrogenase RDH11. *Human Molecular Genetics*, **2014**, 23, 5774-80	5.6	27
269	Adeno-Associated Viral Gene Therapy for Inherited Retinal Disease. *Pharmaceutical Research*, **2019**, 36, 34	4.5	27
268	Genotypic spectrum and phenotype correlations of ABCA4-associated disease in patients of south Asian descent. *European Journal of Human Genetics*, **2017**, 25, 735-743	5.3	26
267	Functional validation of a human CAPN5 exome variant by lentiviral transduction into mouse retina. *Human Molecular Genetics*, **2014**, 23, 2665-77	5.6	26
266	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, 143-54.e2	4.9	26
265	Quantitative progression of retinitis pigmentosa by optical coherence tomography angiography. *Scientific Reports*, **2018**, 8, 13130	4.9	25
264	The Rapid-Onset Chorioretinopathy Phenotype of ABCA4 Disease. *Ophthalmology*, **2018**, 125, 89-99	7.3	24
263	Proteomic analysis of the human retina reveals region-specific susceptibilities to metabolic- and oxidative stress-related diseases. *PLoS ONE*, **2018**, 13, e0193250	3.7	24
262	Therapeutic margins in a novel preclinical model of retinitis pigmentosa. *Journal of Neuroscience*, **2013**, 33, 13475-83	6.6	24
261	Retinitis Pigmentosa (Non-syndromic). *Advances in Experimental Medicine and Biology*, **2018**, 1085, 125-130	3.6	24
260	Extracellular superoxide dismutase (SOD3) regulates oxidative stress at the vitreoretinal interface. *Free Radical Biology and Medicine*, **2018**, 124, 408-419	7.8	24
259	Quantitative Fundus Autofluorescence and Optical Coherence Tomography in ABCA4 Carriers **2015** , 56, 7274-85		23
258	Loss of peripapillary sparing in non-group I Stargardt disease. *Experimental Eye Research*, **2010**, 91, 592-600	3.7	23
257	Lentivirus-mediated expression of cDNA and shRNA slows degeneration in retinitis pigmentosa. *Experimental Biology and Medicine*, **2011**, 236, 1211-7	3.7	23
256	Leber Congenital Amaurosis. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 131-137	3.6	23
255	A case-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	8.1	22
254	Personalized Proteomics in Proliferative Vitreoretinopathy Implicate Hematopoietic Cell Recruitment and mTOR as a Therapeutic Target. *American Journal of Ophthalmology*, **2018**, 186, 152-163	4.9	22

253	Personalized Medicine: Cell and Gene Therapy Based on Patient-Specific iPSC-Derived Retinal Pigment Epithelium Cells. *Advances in Experimental Medicine and Biology*, **2016**, 854, 549-55	3.6	22
252	Abnormality in the external limiting membrane in early Stargardt disease. *Ophthalmic Genetics*, **2013**, 34, 75-7	1.2	22
251	Patient-Specific iPSC-Derived RPE for Modeling of Retinal Diseases. *Journal of Clinical Medicine*, **2015**, 4, 567-78	5.1	22
250	Disease progression in autosomal dominant cone-rod dystrophy caused by a novel mutation (D100G) in the GUCA1A gene. *Documenta Ophthalmologica*, **2014**, 128, 59-67	2.2	22
249	Cellular imaging demonstrates genetic mosaicism in heterozygous carriers of an X-linked ciliopathy gene. *European Journal of Human Genetics*, **2013**, 21, 1240-8	5.3	22
248	shRNA knockdown of guanylate cyclase 2e or cyclic nucleotide gated channel alpha 1 increases photoreceptor survival in a cGMP phosphodiesterase mouse model of retinitis pigmentosa. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 1778-87	5.6	22
247	Laser-Induced Photic Injury Phenocopies Macular Dystrophy. *Ophthalmic Genetics*, **2016**, 37, 59-67	1.2	22
246	Mutations in GPR143/OA1 and ABCA4 Inform Interpretations of Short-Wavelength and Near-Infrared Fundus Autofluorescence **2018**, 59, 2459-2469		21
245	Structural and genetic assessment of the ABCA4-associated optical gap phenotype **2014**, 55, 7217-26		21
244	Fundus autofluorescence in cone dystrophy. *Documenta Ophthalmologica*, **2009**, 119, 141-4	2.2	21
243	Personalized Proteomics for Precision Health: Identifying Biomarkers of Vitreoretinal Disease. *Translational Vision Science and Technology*, **2018**, 7, 12	3.3	21
242	CRISPR applications in ophthalmologic genome surgery. *Current Opinion in Ophthalmology*, **2017**, 28, 252-259	5.1	20
241	A Comparison of En Face Optical Coherence Tomography and Fundus Autofluorescence in Stargardt Disease **2017**, 58, 5227-5236		20
240	Neuroretinal hypoxic signaling in a new preclinical murine model for proliferative diabetic retinopathy. *Signal Transduction and Targeted Therapy*, **2016**, 1,	21	20
239	MULTIMODAL IMAGING OF DISEASE-ASSOCIATED PIGMENTARY CHANGES IN RETINITIS PIGMENTOSA. *Retina*, **2016**, 36 Suppl 1, S147-S158	3.6	20
238	Calpain-5 Expression in the Retina Localizes to Photoreceptor Synapses **2016**, 57, 2509-21		20
237	Quantitative Autofluorescence Intensities in Acute Zonal Occult Outer Retinopathy vs Healthy Eyes. *JAMA Ophthalmology*, **2017**, 135, 1330-1338	3.9	19
236	Bilateral Concordance of the Fundus Hyperautofluorescent Ring in Typical Retinitis Pigmentosa Patients. *Ophthalmic Genetics*, **2015**, 36, 113-22	1.2	19

235	Mice with a D190N mutation in the gene encoding rhodopsin: a model for human autosomal-dominant retinitis pigmentosa. *Molecular Medicine*, **2012**, 18, 549-55	6.2	19
234	Therapeutic drug repositioning using personalized proteomics of liquid biopsies. *JCI Insight*, **2017**, 2,	9.9	19
233	Stargardt Disease. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 139-151	3.6	19
232	Structural modeling of a novel mutation that causes foveal hypoplasia. *Molecular Genetics & Genomic Medicine*, **2017**, 5, 202-209	2.3	18
231	Reprogramming towards anabolism impedes degeneration in a preclinical model of retinitis pigmentosa. *Human Molecular Genetics*, **2016**, 25, 4244-4255	5.6	18
230	Subretinal injection of gene therapy vectors and stem cells in the perinatal mouse eye. *Journal of Visualized Experiments*, **2012**,	1.6	18
229	Unilateral retinitis pigmentosa: a proposal of genetic pathogenic mechanisms. *European Journal of Ophthalmology*, **2012**, 22, 654-60	1.9	18
228	Phenotype-genotype correlations in autosomal dominant retinitis pigmentosa caused by RHO, D190N. *Current Eye Research*, **2008**, 33, 1014-22	2.9	18
227	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	11.5	17
226	A novel RPGR mutation masquerading as Stargardt disease. *British Journal of Ophthalmology*, **2014**, 98, 709-11	5.5	17
225	Electroretinography Reveals Difference in Cone Function between Syndromic and Nonsyndromic USH2A Patients. *Scientific Reports*, **2017**, 7, 11170	4.9	17
224	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	2.9	17
223	Emerging Treatments for Retinitis Pigmentosa: Genes and stem cells, as well as new electronic and medical therapies, are gaining ground **2015**, 12, 52-70		17
222	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	1.4	17
221	Ciliopathy: Usher Syndrome. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 167-170	3.6	17
220	Revolution in Gene Medicine Therapy and Genome Surgery. *Genes*, **2018**, 9,	4.2	17
219	A novel de novo mutation in a patient with inflammatory vitreoretinopathy, hearing loss, and developmental delay. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	16
218	Next-generation sequencing revealed a novel mutation in the gene encoding the beta subunit of rod phosphodiesterase. *Ophthalmic Genetics*, **2014**, 35, 142-50	1.2	16

217	Mouse eye enucleation for remote high-throughput phenotyping. *Journal of Visualized Experiments*, **2011**,	1.6	16
216	Two-year progression analysis of RPE65 autosomal dominant retinitis pigmentosa. *Ophthalmic Genetics*, **2018**, 39, 544-549	1.2	16
215	Peripapillary sparing in RDH12-associated Leber congenital amaurosis. *Ophthalmic Genetics*, **2017**, 38, 575-579	1.2	15
214	Metabolite therapy guided by liquid biopsy proteomics delays retinal neurodegeneration. *EBioMedicine*, **2020**, 52, 102636	8.8	15
213	Translation of CRISPR Genome Surgery to the Bedside for Retinal Diseases. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 46	5.7	15
212	Disruption of the human cone photoreceptor mosaic from a defect in NR2E3 transcription factor function in young adults. *Graefeks Archive for Clinical and Experimental Ophthalmology*, **2013**, 251, 2299-309	3.8	15
211	Effects of deficiency in the -encoded visual cycle protein CRALBP on visual dysfunction in humans and mice. *Journal of Biological Chemistry*, **2020**, 295, 6767-6780	5.4	15
210	Investigation and Restoration of BEST1 Activity in Patient-derived RPEs with Dominant Mutations. *Scientific Reports*, **2019**, 9, 19026	4.9	15
209	Autosomal Dominant Retinitis Pigmentosa. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 69-77	3.6	15
208	Distinct Imprinting Signatures and Biased Differentiation of Human Androgenetic and Parthenogenetic Embryonic Stem Cells. *Cell Stem Cell*, **2019**, 25, 419-432.e9	18	14
207	Multimodal Imaging in Best Vitelliform Macular Dystrophy **2019**, 60, 2012-2022		14
206	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	4.9	14
205	Functional Analysis of Retinal Flecks in Stargardt Disease. *Journal of Clinical & Experimental Ophthalmology*, **2012**, 3,	0	14
204	Fundus autofluorescence and ellipsoid zone (EZ) line width can be an outcome measurement in RHO-associated autosomal dominant retinitis pigmentosa. *Graefeks Archive for Clinical and Experimental Ophthalmology*, **2019**, 257, 725-731	3.8	13
203	Quantitative Comparison of Near-infrared Versus Short-wave Autofluorescence Imaging in Monitoring Progression of Retinitis Pigmentosa. *American Journal of Ophthalmology*, **2018**, 194, 120-125	4.9	13
202	Multimodal structural disease progression of retinitis pigmentosa according to mode of inheritance. *Scientific Reports*, **2019**, 9, 10712	4.9	13
201	The positive role of the carboxyl terminus of the gamma subunit of retinal cGMP-phosphodiesterase in maintaining phosphodiesterase activity in vivo. *Vision Research*, **2002**, 42, 439-45	2.1	13
200	Structural disease progression in PDE6-associated autosomal recessive retinitis pigmentosa. *Ophthalmic Genetics*, **2018**, 39, 610-614	1.2	13

199	Multi-platform imaging in ABCA4-Associated Disease. *Scientific Reports*, **2019**, 9, 6436	4.9	12
198	CRISPR-Cas Genome Surgery in Ophthalmology. *Translational Vision Science and Technology*, **2017**, 6, 13	3.3	12
197	Treatment of Macular Degeneration with Sildenafil: Results of a Two-Year Trial. *Ophthalmologica*, **2018**, 240, 45-54	3.7	12
196	Electronegative electroretinogram associated with topiramate toxicity and vitelliform maculopathy. *Documenta Ophthalmologica*, **2008**, 116, 57-60	2.2	12
195	Vigabatrin-induced retinal toxicity is partially mediated by signaling in rod and cone photoreceptors. *PLoS ONE*, **2012**, 7, e43889	3.7	12
194	Familial discordance in Stargardt disease. *Molecular Vision*, **2012**, 18, 227-33	2.3	12
193	Silencing of tuberin enhances photoreceptor survival and function in a preclinical model of retinitis pigmentosa (an american ophthalmological society thesis). *Transactions of the American Ophthalmological Society*, **2014**, 112, 103-15		12
192	Mitochondrial Disorder: Kearns-Sayre Syndrome. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 161-162	3.6	12
191	Treatment-Emergent Adverse Events in Gene Therapy Trials for Inherited Retinal Diseases: A Narrative Review. *Ophthalmology and Therapy*, **2020**, 9, 709-724	5	12
190	Complication of Autologous Stem Cell Transplantation in Retinitis Pigmentosa. *JAMA Ophthalmology*, **2016**, 134, 711-2	3.9	12
189	Multimodal analysis of the Preferred Retinal Location and the Transition Zone in patients with Stargardt Disease. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2017**, 255, 1307-1317	3.8	11
188	Spectrum of Disease Severity and Phenotype in Choroideremia Carriers. *American Journal of Ophthalmology*, **2019**, 207, 77-86	4.9	11
187	Rapid resolution of retinoschisis with acetazolamide. *Documenta Ophthalmologica*, **2015**, 131, 63-70	2.2	11
186	Rod metabolic demand drives progression in retinopathies. *Taiwan Journal of Ophthalmology*, **2015**, 5, 105-108	1.4	11
185	Efficacy of rituximab in non-paraneoplastic autoimmune retinopathy. *Orphanet Journal of Rare Diseases*, **2017**, 12, 129	4.2	11
184	Reprogramming the metabolome rescues retinal degeneration. *Cellular and Molecular Life Sciences*, **2018**, 75, 1559-1566	10.3	11
183	Viral Vectors, Engineered Cells and the CRISPR Revolution. *Advances in Experimental Medicine and Biology*, **2017**, 1016, 3-27	3.6	11
182	Disruption in Bruch membrane in patients with Stargardt disease. *Ophthalmic Genetics*, **2012**, 33, 49-52	1.2	11

181	In vivo studies of the subunit of retinal cGMP-phophodiesterase with a substitution of tyrosine-84. *Biochemical Journal*, **2001**, 353, 467-474	3.8	11
180	Macular spatial distribution of preserved autofluorescence in patients with choroideremia. *British Journal of Ophthalmology*, **2019**, 103, 933-937	5.5	11
179	Caring for Hereditary Childhood Retinal Blindness. *Asia-Pacific Journal of Ophthalmology*, **2018**, 7, 183-191	3.15	11
178	CRISPR-mediated Ophthalmic Genome Surgery. *Current Ophthalmology Reports*, **2017**, 5, 199-206	1.8	10
177	HMGB1 and Caveolin-1 related to RPE cell senescence in age-related macular degeneration. *Aging*, **2019**, 11, 4323-4337	5.6	10
176	Skin Biopsy and Patient-Specific Stem Cell Lines. *Methods in Molecular Biology*, **2016**, 1353, 77-88	1.4	10
175	Genetic Rescue Reverses Microglial Activation in Preclinical Models of Retinitis Pigmentosa. *Molecular Therapy*, **2018**, 26, 1953-1964	11.7	10
174	PHENOTYPING CHOROIDEREMIA AND ITS CARRIER STATE WITH MULTIMODAL IMAGING TECHNIQUES. *Retinal Cases and Brief Reports*, **2017**, 11 Suppl 1, S178-S181	1.1	10
173	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, 100-7	1.2	10
172	Multimodal imaging in a case of deferoxamine-induced maculopathy. *Retinal Cases and Brief Reports*, **2014**, 8, 306-9	1.1	10
171	Autofluorescence imaging in a case of benign familial fleck retina. *JAMA Ophthalmology*, **2007**, 125, 714-5		10
170	In vivo studies of the gamma subunit of retinal cGMP-phophodiesterase with a substitution of tyrosine-84. *Biochemical Journal*, **2001**, 353, 467-74	3.8	10
169	Progressive Cone Dystrophy and Cone-Rod Dystrophy (XL, AD, and AR). *Advances in Experimental Medicine and Biology*, **2018**, 1085, 53-60	3.6	10
168	Ciliopathy: Senior-Løken Syndrome. *Advances in Experimental Medicine and Biology*, **2018**, 1085, 175-178	3.6	10
167	Small-angle X-ray scattering of calpain-5 reveals a highly open conformation among calpains. *Journal of Structural Biology*, **2016**, 196, 309-318	3.4	10
166	CLIC4 regulates late endosomal trafficking and matrix degradation activity of MMP14 at focal adhesions in RPE cells. *Scientific Reports*, **2019**, 9, 12247	4.9	9
165	Modification of the disease phenotype by a mutation in. *Ophthalmic Genetics*, **2019**, 40, 369-375	1.2	9
164	Autologous stem cell therapy for inherited and acquired retinal disease. *Regenerative Medicine*, **2018**, 13, 89-96	2.5	9

163	CRISPR GENOME SURGERY IN THE RETINA IN LIGHT OF OFF-TARGETING. *Retina*, **2018**, 38, 1443-1455	3.6	9
162	Rates of Bone Spicule Pigment Appearance in Patients With Retinitis Pigmentosa Sine Pigmento. *American Journal of Ophthalmology*, **2018**, 195, 176-180	4.9	9
161	Light-dependent phosphorylation of the gamma subunit of cGMP-phophodiesterase (PDE6gamma) at residue threonine 22 in intact photoreceptor neurons. *Biochemical and Biophysical Research Communications*, **2009**, 390, 1149-53	3.4	9
160	Non-vascular vision loss in pseudoxanthoma elasticum. *Documenta Ophthalmologica*, **2008**, 117, 65-7	2.2	9
159	Stationary night blindness or progressive retinal degeneration in mice carrying different alleles of PDE gamma. *Frontiers in Bioscience - Landmark*, **2003**, 8, s666-75	2.8	9
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