Robert E Maclaren

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284 papers	7,472 citations	46 h-index	77 g-index
290 ext. papers	9,107 ext. citations	6 avg, IF	6.31 L-index

#	Paper	IF	Citations
284	Retinal gene therapy in patients with choroideremia: initial findings from a phase 1/2 clinical trial. *Lancet, The*, **2014**, 383, 1129-37	40	570
283	Effective gene therapy with nonintegrating lentiviral vectors. *Nature Medicine*, **2006**, 12, 348-53	50.5	368
282	Subretinal Visual Implant Alpha IMS--Clinical trial interim report. *Vision Research*, **2015**, 111, 149-60	2.1	250
281	Comprehensive Rare Variant Analysis via Whole-Genome Sequencing to Determine the Molecular Pathology of Inherited Retinal Disease. *American Journal of Human Genetics*, **2017**, 100, 75-90	11	235
280	Reversal of end-stage retinal degeneration and restoration of visual function by photoreceptor transplantation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1101-6	11.5	188
279	The drusenlike phenotype in aging Ccl2-knockout mice is caused by an accelerated accumulation of swollen autofluorescent subretinal macrophages **2009**, 50, 5934-43		166
278	Visual Acuity after Retinal Gene Therapy for Choroideremia. *New England Journal of Medicine*, **2016**, 374, 1996-8	59.2	151
277	Transplanted photoreceptor precursors transfer proteins to host photoreceptors by a mechanism of cytoplasmic fusion. *Nature Communications*, **2016**, 7, 13537	17.4	122
276	Half-Dose Photodynamic Therapy versus High-Density Subthreshold Micropulse Laser Treatment in Patients with Chronic Central Serous Chorioretinopathy: The PLACE Trial. *Ophthalmology*, **2018**, 125, 1547-1555	7.3	111
275	Beneficial effects on vision in patients undergoing retinal gene therapy for choroideremia. *Nature Medicine*, **2018**, 24, 1507-1512	50.5	108
274	Initial results from a first-in-human gene therapy trial on X-linked retinitis pigmentosa caused by mutations in RPGR. *Nature Medicine*, **2020**, 26, 354-359	50.5	105
273	Autologous transplantation of the retinal pigment epithelium and choroid in the treatment of neovascular age-related macular degeneration. *Ophthalmology*, **2007**, 114, 561-70	7.3	103
272	Function of human pluripotent stem cell-derived photoreceptor progenitors in blind mice. *Scientific Reports*, **2016**, 6, 29784	4.9	98
271	Long-term survival of photoreceptors transplanted into the adult murine neural retina requires immune modulation. *Stem Cells*, **2010**, 28, 1997-2007	5.8	98
270	Interim Results of a Multicenter Trial with the New Electronic Subretinal Implant Alpha AMS in 15 Patients Blind from Inherited Retinal Degenerations. *Frontiers in Neuroscience*, **2017**, 11, 445	5.1	92
269	Two-Year Results After AAV2-Mediated Gene Therapy for Choroideremia: The Alberta Experience. *American Journal of Ophthalmology*, **2018**, 193, 130-142	4.9	91
268	Clinical applications of retinal gene therapy. *Progress in Retinal and Eye Research*, **2013**, 32, 22-47	20.5	89

267	Long-term results of submacular surgery combined with macular translocation of the retinal pigment epithelium in neovascular age-related macular degeneration. *Ophthalmology*, **2005**, 112, 2081-7	7.3	85
266	In contrast to AAV-mediated Cntf expression, AAV-mediated Gdnf expression enhances gene replacement therapy in rodent models of retinal degeneration. *Molecular Therapy*, **2006**, 14, 700-9	11.7	83
265	Biometry and formula accuracy with intraocular lenses used for cataract surgery in extreme hyperopia. *American Journal of Ophthalmology*, **2007**, 143, 920-931	4.9	83
264	Choroideremia Gene Therapy Phase 2 Clinical Trial: 24-Month Results. *American Journal of Ophthalmology*, **2019**, 197, 65-73	4.9	82
263	Will Nanotechnology Bring New Hope for Gene Delivery?. *Trends in Biotechnology*, **2017**, 35, 434-451	15.1	80
262	Rescue of the Stargardt phenotype in Abca4 knockout mice through inhibition of vitamin A dimerization. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8415-20	11.5	80
261	Assessment of the Electronic Retinal Implant Alpha AMS in Restoring Vision to Blind Patients with End-Stage Retinitis Pigmentosa. *Ophthalmology*, **2018**, 125, 432-443	7.3	80
260	Comparative analysis of progenitor cells isolated from the iris, pars plana, and ciliary body of the adult porcine eye. *Stem Cells*, **2007**, 25, 2430-8	5.8	77
259	Fundus autofluorescence in the Abca4(-/-) mouse model of Stargardt disease--correlation with accumulation of A2E, retinal function, and histology **2013**, 54, 5602-12		74
258	Codon-Optimized RPGR Improves Stability and Efficacy of AAV8 Gene Therapy in Two Mouse Models of X-Linked Retinitis Pigmentosa. *Molecular Therapy*, **2017**, 25, 1854-1865	11.7	69
257	Functional expression of Rab escort protein 1 following AAV2-mediated gene delivery in the retina of choroideremia mice and human cells ex vivo. *Journal of Molecular Medicine*, **2013**, 91, 825-37	5.5	68
256	Retinal pigment epithelium defects accelerate photoreceptor degeneration in cell type-specific knockout mouse models of choroideremia **2010**, 51, 4913-20		68
255	Retinal stem cell transplantation: Balancing safety and potential. *Progress in Retinal and Eye Research*, **2020**, 75, 100779	20.5	68
254	CRISPR-Cas9 DNA Base-Editing and Prime-Editing. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	66
253	Chronic central serous chorioretinopathy: long-term follow-up and vision-related quality of life. *Clinical Ophthalmology*, **2017**, 11, 39-46	2.5	66
252	The Spectrum of CHM Gene Mutations in Choroideremia and Their Relationship to Clinical Phenotype **2016**, 57, 6033-6039		61
251	Recessive mutations in TSPAN12 cause retinal dysplasia and severe familial exudative vitreoretinopathy (FEVR) **2012**, 53, 2873-9		60
250	Characterizing the Natural History of Visual Function in Choroideremia Using Microperimetry and Multimodal Retinal Imaging **2017**, 58, 5575-5583		59

249	Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. *Nature Communications*, **2016**, 7, 12444	17.4	56
248	Correlation of Optical Coherence Tomography and Autofluorescence in the Outer Retina and Choroid of Patients With Choroideremia **2016**, 57, 3674-84		55
247	Gene therapy for retinal disease. *Translational Research*, **2013**, 161, 241-54	11	54
246	CNTF Gene Therapy Confers Lifelong Neuroprotection in a Mouse Model of Human Retinitis Pigmentosa. *Molecular Therapy*, **2015**, 23, 1308-1319	11.7	52
245	Optimization of in vivo confocal autofluorescence imaging of the ocular fundus in mice and its application to models of human retinal degeneration **2012**, 53, 1066-75		52
244	An AAV Dual Vector Strategy Ameliorates the Stargardt Phenotype in Adult Mice. *Human Gene Therapy*, **2019**, 30, 590-600	4.8	52
243	A Qualitative and Quantitative Assessment of Fundus Autofluorescence Patterns in Patients With Choroideremia **2016**, 57, 4498-4503		51
242	Differential modulation of retinal degeneration by Ccl2 and Cx3cr1 chemokine signalling. *PLoS ONE* , **2012**, 7, e35551	3.7	49
241	Subretinal delivery of adeno-associated virus serotype 2 results in minimal immune responses that allow repeat vector administration in immunocompetent mice. *Journal of Gene Medicine*, **2009**, 11, 486-97	3.5	48
240	Outcomes of phacoemulsification and intraocular lens implantation in microphthalmos and nanophthalmos. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 87-96	2.3	47
239	Implantation of the black diaphragm intraocular lens in congenital and traumatic aniridia. *Ophthalmology*, **2008**, 115, 1705-12	7.3	46
238	Gene therapy for choroideremia using an adeno-associated viral (AAV) vector. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 5, a017293	5.4	44
237	Translating induced pluripotent stem cells from bench to bedside: application to retinal diseases. *Current Gene Therapy*, **2013**, 13, 139-51	4.3	44
236	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
235	Detailed Clinical Phenotype and Molecular Genetic Findings in CLN3-Associated Isolated Retinal Degeneration. *JAMA Ophthalmology*, **2017**, 135, 749-760	3.9	42
234	Variations in opsin coding sequences cause x-linked cone dysfunction syndrome with myopia and dichromacy **2013**, 54, 1361-9		41
233	Stem cells as a therapeutic tool for the blind: biology and future prospects. *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 3009-16	4.4	41
232	Adeno-associated Virus (AAV) Dual Vector Strategies for Gene Therapy Encoding Large Transgenes. *Yale Journal of Biology and Medicine*, **2017**, 90, 611-623	2.4	41

231	Gene Therapy and Stem Cell Transplantation in Retinal Disease: The New Frontier. *Ophthalmology*, **2016**, 123, S98-S106	7.3	40
230	Efficacy and Safety of Retinal Gene Therapy Using Adeno-Associated Virus Vector for Patients With Choroideremia: A Randomized Clinical Trial. *JAMA Ophthalmology*, **2019**, 137, 1247-1254	3.9	38
229	Biometry accuracy using zero- and negative-powered intraocular lenses. *Journal of Cataract and Refractive Surgery*, **2005**, 31, 280-90	2.3	38
228	Long-term restoration of visual function in end-stage retinal degeneration using subretinal human melanopsin gene therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 11211-11216	11.5	37
227	Long-term visual and microperimetry outcomes following autologous retinal pigment epithelium choroid graft for neovascular age-related macular degeneration. *Clinical and Experimental Ophthalmology*, **2009**, 37, 275-85	2.4	37
226	Comparing half-dose photodynamic therapy with high-density subthreshold micropulse laser treatment in patients with chronic central serous chorioretinopathy (the PLACE trial): study protocol for a randomized controlled trial. *Trials*, **2015**, 16, 419	2.8	36
225	Monoallelic ABCA4 Mutations Appear Insufficient to Cause Retinopathy: A Quantitative Autofluorescence Study **2015**, 56, 8179-86		36
224	Correlation of retinal structure and function in choroideremia carriers. *Ophthalmology*, **2015**, 122, 1274-6	7.3	35
223	CNTF gene transfer protects ganglion cells in rat retinae undergoing focal injury and branch vessel occlusion. *Experimental Eye Research*, **2006**, 83, 1118-27	3.7	34
222	RNA editing as a therapeutic approach for retinal gene therapy requiring long coding sequences. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	33
221	Recent advances and future prospects in choroideremia. *Clinical Ophthalmology*, **2015**, 9, 2195-200	2.5	33
220	A genetic case-control study confirms the implication of SMAD7 and TNF locus in the development of proliferative vitreoretinopathy **2013**, 54, 1665-78		33
219	Macular function assessed by microperimetry in patients with enhanced S-cone syndrome. *Ophthalmology*, **2010**, 117, 1199-1206.e1	7.3	33
218	The p53 codon 72 polymorphism (rs1042522) is associated with proliferative vitreoretinopathy: the Retina 4 Project. *Ophthalmology*, **2013**, 120, 623-628	7.3	32
217	Evaluation of an Optimized Injection System for Retinal Gene Therapy in Human Patients. *Human Gene Therapy Methods*, **2016**, 27, 150-8	4.9	31
216	Inclusion of the Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element Enhances AAV2-Driven Transduction of Mouse and Human Retina. *Molecular Therapy - Nucleic Acids*, **2017**, 6, 198-208	10.7	30
215	CHANGES IN RETINAL SENSITIVITY AFTER GENE THERAPY IN CHOROIDEREMIA. *Retina*, **2020**, 40, 160-168	3.6	30
214	The T309G MDM2 gene polymorphism is a novel risk factor for proliferative vitreoretinopathy. *PLoS ONE*, **2013**, 8, e82283	3.7	29

213	Induced pluripotent stem cell therapies for retinal disease. *Current Opinion in Neurology*, **2010**, 23, 4-9	7.1	29
212	Non-viral retinal gene therapy: a review. *Clinical and Experimental Ophthalmology*, **2012**, 40, 39-47	2.4	28
211	Genome-wide association study identifies genetic risk underlying primary rhegmatogenous retinal detachment. *Human Molecular Genetics*, **2013**, 22, 3174-85	5.6	28
210	Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes. *American Journal of Human Genetics*, **2018**, 103, 3-18	11	27
209	Structural and Functional Recovery Following Limited Iatrogenic Macular Detachment for Retinal Gene Therapy. *JAMA Ophthalmology*, **2017**, 135, 234-241	3.9	26
208	Pathogenic mechanisms and the prospect of gene therapy for choroideremia. *Expert Opinion on Orphan Drugs*, **2015**, 3, 787-798	1.1	26
207	Assessment of tropism and effectiveness of new primate-derived hybrid recombinant AAV serotypes in the mouse and primate retina. *PLoS ONE*, **2013**, 8, e60361	3.7	26
206	Leber congenital amaurosis associated with AIPL1: challenges in ascribing disease causation, clinical findings, and implications for gene therapy. *PLoS ONE*, **2012**, 7, e32330	3.7	26
205	Surgical Technique for Subretinal Gene Therapy in Humans with Inherited Retinal Degeneration. *Retina*, **2019**, 39 Suppl 1, S2-S8	3.6	25
204	Focal and Diffuse Chronic Central Serous Chorioretinopathy Treated With Half-Dose Photodynamic Therapy or Subthreshold Micropulse Laser: PLACE Trial Report No. 3. *American Journal of Ophthalmology*, **2019**, 205, 1-10	4.9	24
203	Isoforms of Melanopsin Mediate Different Behavioral Responses to Light. *Current Biology*, **2015**, 25, 2430-4	6.9	24
202	Antisense oligonucleotide therapeutics in clinical trials for the treatment of inherited retinal diseases. *Expert Opinion on Investigational Drugs*, **2020**, 29, 1163-1170	5.9	24
201	Gene therapy for the treatment of X-linked retinitis pigmentosa. *Expert Opinion on Orphan Drugs*, **2018**, 6, 167-177	1.1	23
200	Retinal Degeneration in Choroideremia follows an Exponential Decay Function. *Ophthalmology*, **2018**, 125, 1122-1124	7.3	23
199	Neuroprotective gene therapy for the treatment of inherited retinal degeneration. *Current Gene Therapy*, **2007**, 7, 434-45	4.3	23
198	Assessment of cone survival in response to CNTF, GDNF, and VEGF165b in a novel ex vivo model of end-stage retinitis pigmentosa **2011**, 52, 7340-6		22
197	Expression of myelin proteins in the opossum optic nerve: late appearance of inhibitors implicates an earlier non-myelin factor in preventing ganglion cell regeneration. *Journal of Comparative Neurology*, **1996**, 372, 27-36	3.4	22
196	Choroideremia: molecular mechanisms and development of AAV gene therapy. *Expert Opinion on Biological Therapy*, **2018**, 18, 807-820	5.4	22

195	Molecular Strategies for RPGR Gene Therapy. *Genes*, **2019**, 10,	4.2	21
194	Clinical and Molecular Characterization of PROM1-Related Retinal Degeneration. *JAMA Network Open*, **2019**, 2, e195752	10.4	21
193	Exploring the Variable Phenotypes of RPGR Carrier Females in Assessing their Potential for Retinal Gene Therapy. *Genes*, **2018**, 9,	4.2	21
192	Vesicular stomatitis virus glycoprotein- and Venezuelan equine encephalitis virus-derived glycoprotein-pseudotyped lentivirus vectors differentially transduce corneal endothelium, trabecular meshwork, and human photoreceptors. *Human Gene Therapy*, **2014**, 25, 50-62	4.8	20
191	Macular hole surgery in patients with end-stage choroideremia. *Ophthalmology*, **2013**, 120, 1592-6	7.3	20
190	Absence of Neuroplastin-65 Affects Synaptogenesis in Mouse Inner Hair Cells and Causes Profound Hearing Loss. *Journal of Neuroscience*, **2016**, 36, 222-34	6.6	20
189	Specific deficits in visual electrophysiology in a mouse model of dominant optic atrophy. *Experimental Eye Research*, **2011**, 93, 771-7	3.7	19
188	Selective Automated Perimetry Under Photopic, Mesopic, and Scotopic Conditions: Detection Mechanisms and Testing Strategies. *Translational Vision Science and Technology*, **2016**, 5, 10	3.3	19
187	Single residue AAV capsid mutation improves transduction of photoreceptors in the Abca4 mouse and bipolar cells in the rd1 mouse and human retina ex vivo. *Gene Therapy*, **2016**, 23, 767-774	4	19
186	Quantitative assessment of barriers to the clinical development and adoption of cellular therapies: A pilot study. *Journal of Tissue Engineering*, **2014**, 5, 2041731414551764	7.5	18
185	X-linked cone dystrophy and colour vision deficiency arising from a missense mutation in a hybrid L/M cone opsin gene. *Vision Research*, **2013**, 80, 41-50	2.1	18
184	Non-image-forming light driven functions are preserved in a mouse model of autosomal dominant optic atrophy. *PLoS ONE*, **2013**, 8, e56350	3.7	18
183	VASCULAR ALTERATIONS REVEALED WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IN PATIENTS WITH CHOROIDEREMIA. *Retina*, **2019**, 39, 1200-1205	3.6	18
182	De Novo Truncating Mutations in WASF1 Cause Intellectual Disability with Seizures. *American Journal of Human Genetics*, **2018**, 103, 144-153	11	18
181	Outcome Measures Used in Ocular Gene Therapy Trials: A Scoping Review of Current Practice. *Frontiers in Pharmacology*, **2019**, 10, 1076	5.6	17
180	Near-Infrared Autofluorescence in Choroideremia: Anatomic and Functional Correlations. *American Journal of Ophthalmology*, **2019**, 199, 19-27	4.9	17
179	Functional Defects in Color Vision in Patients With Choroideremia. *American Journal of Ophthalmology*, **2015**, 160, 822-31.e3	4.9	16
178	Predicting proliferative vitreoretinopathy: temporal and external validation of models based on genetic and clinical variables. *British Journal of Ophthalmology*, **2015**, 99, 41-8	5.5	16

177	RHOQ is induced by DLL4 and regulates angiogenesis by determining the intracellular route of the Notch intracellular domain. *Angiogenesis*, **2020**, 23, 493-513	10.6	16
176	Monitoring progression of retinitis pigmentosa: current recommendations and recent advances. *Expert Opinion on Orphan Drugs*, **2020**, 8, 67-78	1.1	16
175	Stem Cell Treatment for Age-Related Macular Degeneration: the Challenges **2018**, 59, AMD78-AMD82		16
174	Transcorneal electrical stimulation for the treatment of retinitis pigmentosa: results from the TESOLAUK trial. *BMJ Open Ophthalmology*, **2017**, 2, e000096	3.2	16
173	Regulatory Considerations for Gene Therapy Products in the US, EU, and Japan. *Yale Journal of Biology and Medicine*, **2017**, 90, 683-693	2.4	16
172	Optogenetic Gene Therapy for the Degenerate Retina: Recent Advances. *Frontiers in Neuroscience*, **2020**, 14, 570909	5.1	16
171	A splice-site variant in FLVCR1 produces retinitis pigmentosa without posterior column ataxia. *Ophthalmic Genetics*, **2018**, 39, 263-267	1.2	16
170	Implantation, removal and replacement of subretinal electronic implants for restoration of vision in patients with retinitis pigmentosa. *Current Opinion in Ophthalmology*, **2018**, 29, 239-247	5.1	15
169	AAV-mediated gene transfer of human X-linked inhibitor of apoptosis protects against oxidative cell death in human RPE cells **2011**, 52, 9591-7		15
168	Responsiveness of choroidal neovascular membranes in patients with R345W mutation in fibulin 3 (Doyne honeycomb retinal dystrophy) to anti-vascular endothelial growth factor therapy. *JAMA Ophthalmology*, **2011**, 129, 1626-8		15
167	AAV Induced Expression of Human Rod and Cone Opsin in Bipolar Cells of a Mouse Model of Retinal Degeneration.. *BioMed Research International*, **2021**, 2021, 1-8	3	15
166	Biallelic Mutation of ARHGEF18, Involved in the Determination of Epithelial Apicobasal Polarity, Causes Adult-Onset Retinal Degeneration. *American Journal of Human Genetics*, **2017**, 100, 334-342	11	14
165	The Biological Activity of AAV Vectors for Choroideremia Gene Therapy Can Be Measured by Prenylation of RAB6A. *Molecular Therapy - Methods and Clinical Development*, **2018**, 9, 288-295	6.4	14
164	Differential roles for cryptochromes in the mammalian retinal clock. *FASEB Journal*, **2018**, 32, 4302-4314	0.9	14
163	Enhancement of Adeno-Associated Virus-Mediated Gene Therapy Using Hydroxychloroquine in Murine and Human Tissues. *Molecular Therapy - Methods and Clinical Development*, **2019**, 14, 77-89	6.4	14
162	Gene Therapy for Color Blindness. *Yale Journal of Biology and Medicine*, **2017**, 90, 543-551	2.4	14
161	Effects of pupil dilation on MAIA microperimetry. *Clinical and Experimental Ophthalmology*, **2017**, 45, 489-495	2.4	13
160	The Application of CRISPR/Cas9 for the Treatment of Retinal Diseases. *Yale Journal of Biology and Medicine*, **2017**, 90, 533-541	2.4	13

159	Human Retinal Explant Culture for Ex Vivo Validation of AAV Gene Therapy. *Methods in Molecular Biology*, **2018**, 1715, 289-303	1.4	13
158	Patient characteristics of untreated chronic central serous chorioretinopathy patients with focal versus diffuse leakage. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2019**, 257, 1419-1425	2.8	12
157	The Location of Exon 4 Mutations in RP1 Raises Challenges for Genetic Counseling and Gene Therapy. *American Journal of Ophthalmology*, **2019**, 202, 23-29	4.9	12
156	BAX and BCL-2 polymorphisms, as predictors of proliferative vitreoretinopathy development in patients suffering retinal detachment: the Retina 4 project. *Acta Ophthalmologica*, **2015**, 93, e541-9	3.7	12
155	Characterization of a dominant cone degeneration in a green fluorescent protein-reporter mouse with disruption of Loci associated with human dominant retinal dystrophy **2011**, 52, 6617-23		12
154	Analysis of Pathogenic Variants Correctable With CRISPR Base Editing Among Patients With Recessive Inherited Retinal Degeneration. *JAMA Ophthalmology*, **2021**, 139, 319-328	3.9	12
153	Two Novel CAPN5 Variants Associated with Mild and Severe Autosomal Dominant Neovascular Inflammatory Vitreoretinopathy Phenotypes. *Ocular Immunology and Inflammation*, **2019**, 27, 693-698	2.8	12
152	CRISPR Interference-Potential Application in Retinal Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	12
151	A quantitative, multi-national and multi-stakeholder assessment of barriers to the adoption of cell therapies. *Journal of Tissue Engineering*, **2017**, 8, 2041731417724413	7.5	11
150	An Economic Evaluation of Voretigene Neparvovec for the Treatment of Biallelic RPE65-Mediated Inherited Retinal Dystrophies in the UK. *Advances in Therapy*, **2020**, 37, 1233-1247	4.1	11
149	Repair of Retinal Degeneration following Ex Vivo Minicircle DNA Gene Therapy and Transplantation of Corrected Photoreceptor Progenitors. *Molecular Therapy*, **2020**, 28, 830-844	11.7	11
148	High Symmetry of Visual Acuity and Visual Fields in RPGR-Linked Retinitis Pigmentosa **2017**, 58, 4457-4466		11
147	Immunomodulatory Effects of Hydroxychloroquine and Chloroquine in Viral Infections and Their Potential Application in Retinal Gene Therapy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
146	Unilateral pigmentary retinopathy: a retrospective case series. *Acta Ophthalmologica*, **2019**, 97, e601-e617	3.7	11
145	Macular spatial distribution of preserved autofluorescence in patients with choroideremia. *British Journal of Ophthalmology*, **2019**, 103, 933-937	5.5	11
144	The nanophthalmos protein TMEM98 inhibits MYRF self-cleavage and is required for eye size specification. *PLoS Genetics*, **2020**, 16, e1008583	6	11
143	Ocular gene therapy for choroideremia: clinical trials and future perspectives. *Expert Review of Ophthalmology*, **2018**, 13, 129-138	1.5	10
142	A Specific Macula-Predominant Retinal Phenotype Is Associated With the CDHR1 Variant c.783G>A, a Silent Mutation Leading to In-Frame Exon Skipping **2019**, 60, 3388-3397		10

141	Optimisation of dark adaptation time required for mesopic microperimetry. *British Journal of Ophthalmology*, **2019**, 103, 1092-1098	5.5	10
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139	Association of Clinical and Genetic Heterogeneity With BEST1 Sequence Variations. *JAMA Ophthalmology*, **2020**, 138, 544-551	3.9	9
138	Filtration of Short-Wavelength Light Provides Therapeutic Benefit in Retinitis Pigmentosa Caused by a Common Rhodopsin Mutation **2019**, 60, 2733-2742		9
137	Mouse slc9a8 mutants exhibit retinal defects due to retinal pigmented epithelium dysfunction **2015**, 56, 3015-26		9
136	Scleral punch method with topical mitomycin C for safe revision of failed deep sclerectomy in nanophthalmic uveal effusion syndrome. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2009**, 247, 999-1001	3.8	9
135	Transcorneal Electrical Stimulation for the Treatment of Retinitis Pigmentosa: A Multicenter Safety Study of the OkuStim® System (TESOLA-Study). *Ophthalmic Research*, **2020**, 63, 234-243	2.9	9
134	Hypotrichosis and juvenile macular dystrophy caused by CDH3 mutation: A candidate disease for retinal gene therapy. *Scientific Reports*, **2016**, 6, 23674	4.9	9
133	Effect of AAV-Mediated Rhodopsin Gene Augmentation on Retinal Degeneration Caused by the Dominant P23H Rhodopsin Mutation in a Knock-In Murine Model. *Human Gene Therapy*, **2020**, 31, 730-742	4.8	8
132	Highest reported visual acuity after electronic retinal implantation. *Acta Ophthalmologica*, **2020**, 98, 736-740	3.7	8
131	Structural Insights into the Unique Activation Mechanisms of a Non-classical Calpain and Its Disease-Causing Variants. *Cell Reports*, **2020**, 30, 881-892.e5	10.6	8
130	Crossover to Photodynamic Therapy or Micropulse Laser After Failure of Primary Treatment of Chronic Central Serous Chorioretinopathy: The REPLACE Trial. *American Journal of Ophthalmology*, **2020**, 216, 80-89	4.9	8
129	Real-world refractive outcomes of toric intraocular lens implantation in a United Kingdom National Health Service setting. *BMC Ophthalmology*, **2018**, 18, 30	2.3	8
128	Limitations in Clinical Translation of Nanoparticle-Based Gene Therapy. *Trends in Biotechnology*, **2017**, 35, 1124-1125	15.1	8
127	Variable phenotypes in patients diagnosed with idiopathic multifocal choroiditis. *Clinical and Experimental Ophthalmology*, **2006**, 34, 233-8	2.4	8
126	Re-establishment of visual circuitry after optic nerve regeneration. *Eye*, **1999**, 13 (Pt 3a), 277-84	4.4	8
125	An analysis of retinal gene therapy clinical trials. *Current Opinion in Molecular Therapeutics*, **2009**, 11, 540-6		8
124	HYPERREFLECTIVE FOCI AS A PATHOGENETIC BIOMARKER IN CHOROIDEREMIA. *Retina*, **2020**, 40, 1634-1640	3.6	8

123	Genome-Editing Strategies for Treating Human Retinal Degenerations. *Human Gene Therapy*, **2021**, 32, 247-259	4.8	8
122	Functional expression of complement factor I following AAV-mediated gene delivery in the retina of mice and human cells. *Gene Therapy*, **2021**, 28, 265-276	4	8
121	Test-retest repeatability of microperimetry in patients with retinitis pigmentosa caused by mutations in RPGR. *Clinical and Experimental Ophthalmology*, **2020**, 48, 714-715	2.4	8
120	Molecular Therapies for Choroideremia. *Genes*, **2019**, 10,	4.2	7
119	Gene Therapy for Retinal Disease: What Lies Ahead. *Ophthalmologica*, **2015**, 234, 1-5	3.7	7
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117	Potential lifetime quality of life benefits of choroideremia gene therapy: projections from a clinically informed decision model. *Eye*, **2019**, 33, 1215-1223	4.4	7
116	Association of Messenger RNA Level With Phenotype in Patients With Choroideremia: Potential Implications for Gene Therapy Dose. *JAMA Ophthalmology*, **2020**, 138, 128-135	3.9	7
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