Robin R Ali

List of Publications by Year
in descending order

224 papers	17,647 citations	13068 68 h-index	17055 122 g-index
234 all docs	234 docs citations	234 times ranked	12184 citing authors

#	Article	IF	Citations
1	Intravitreal administration of recombinant human opticin protects against hyperoxia-induced pre-retinal neovascularization. Experimental Eye Research, 2022, 215, 108908.	1.2	2
2	Activation of autophagy reverses progressive and deleterious protein aggregation in PRPF31 patientâ€induced pluripotent stem cellâ€derived retinal pigment epithelium cells. Clinical and Translational Medicine, 2022, 12, e759.	1.7	12
3	Antioxidant and lipid supplementation improve the development of photoreceptor outer segments in pluripotent stem cell-derived retinal organoids. Stem Cell Reports, 2022, 17, 775-788.	2.3	13
4	mTORC1 regulates high levels of protein synthesis in retinal ganglion cells of adult mice. Journal of Biological Chemistry, 2022, 298, 101944.	1.6	2
5	Differentiation of brain and retinal organoids from confluent cultures of pluripotent stem cells connected by nerve-like axonal projections of optic origin. Stem Cell Reports, 2022, 17, 1476-1492.	2.3	19
6	A Comprehensive Study of the Retinal Phenotype of Rpe65-Deficient Dogs. Cells, 2021, 10, 115.	1.8	2
7	Restoration of visual function in advanced disease after transplantation of purified human pluripotent stem cell-derived cone photoreceptors. Cell Reports, 2021, 35, 109022.	2.9	65
8	Pharmacologic activation of autophagy without direct mTOR inhibition as a therapeutic strategy for treating dry macular degeneration. Aging, 2021, 13, 10866-10890.	1.4	18
9	RNAiâ€mediated suppression of vimentin or glial fibrillary acidic protein prevents the establishment of MÃ¼ller glial cell hypertrophy in progressive retinal degeneration. Glia, 2021, 69, 2272-2290.	2.5	17
10	Pre-mRNA Processing Factors and Retinitis Pigmentosa: RNA Splicing and Beyond. Frontiers in Cell and Developmental Biology, 2021, 9, 700276.	1.8	14
11	Repeated nuclear translocations underlie photoreceptor positioning and lamination of the outer nuclear layer in the mammalian retina. Cell Reports, 2021, 36, 109461.	2.9	9
12	Nanotubeâ€like processes facilitate material transfer between photoreceptors. EMBO Reports, 2021, 22, e53732.	2.0	42
13	RPGR isoform imbalance causes ciliary defects due to exon ORF15 mutations in X-linked retinitis pigmentosa (XLRP). Human Molecular Genetics, 2021, 29, 3706-3716.	1.4	16
14	Tracking neuronal motility in live murine retinal explants. STAR Protocols, 2021, 2, 101008.	0.5	0
15	Stabilization of myeloid-derived HIFs promotes vascular regeneration in retinal ischemia. Angiogenesis, 2020, 23, 83-90.	3.7	15
16	Development of Stem Cell Therapies for Retinal Degeneration. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035683.	2.3	20
17	Validation of a Vision-Guided Mobility Assessment for RPE65-Associated Retinal Dystrophy. Translational Vision Science and Technology, 2020, 9, 5.	1.1	18
18	Retinal Gene Therapy: Expansion in Clinical Trials Drives the Need for Further Preclinical Research. Human Gene Therapy, 2020, 31, 701-702.	1.4	0

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19	Advancing Clinical Trials for Inherited Retinal Diseases: Recommendations from the Second Monaciano Symposium. Translational Vision Science and Technology, 2020, 9, 2.	1.1	56
20	Pou2f1 and Pou2f2 cooperate to control the timing of cone photoreceptor production in the developing mouse retina. Development (Cambridge), 2020, 147, .	1.2	34
21	A Tribute to Barrie J. Carter. Human Gene Therapy, 2020, 31, 491-493.	1.4	1
22	AAV-mediated ERdj5 overexpression protects against P23H rhodopsin toxicity. Human Molecular Genetics, 2020, 29, 1310-1318.	1.4	10
23	Gene Therapy Targeting the Inner Retina Rescues the Retinal Phenotype in a Mouse Model of CLN3 Batten Disease. Human Gene Therapy, 2020, 31, 709-718.	1.4	31
24	Gene Therapy for Glaucoma by Ciliary Body Aquaporin 1 Disruption Using CRISPR-Cas9. Molecular Therapy, 2020, 28, 820-829.	3.7	52
25	Experimental gene therapies for the NCLs. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165772.	1.8	11
26	Development of a Gene Therapy Vector for RDH12-Associated Retinal Dystrophy. Human Gene Therapy, 2019, 30, 1325-1335.	1.4	19
27	Highly Differentiated Human Fetal RPE Cultures Are Resistant to the Accumulation and Toxicity of Lipofuscin-Like Material. , 2019, 60, 3468.		17
28	Modulation of Contact Inhibition by ZO-1/ZONAB Gene Transferâ€"A New Strategy to Increase the Endothelial Cell Density of Corneal Grafts. , 2019, 60, 3170.		7
29	Neonatal brain-directed gene therapy rescues a mouse model of neurodegenerative CLN6 Batten disease. Human Molecular Genetics, 2019, 28, 3867-3879.	1.4	21
30	Transcriptional regulation of cone photoreceptor development. IBRO Reports, 2019, 6, S20-S21.	0.3	0
31	Detailed clinical characterisation, unique features and natural history of autosomal recessive RDH12-associated retinal degeneration. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313580.	2.1	20
32	Conditional Dicer1 depletion using Chrnb4-Cre leads to cone cell death and impaired photopic vision. Scientific Reports, 2019, 9, 2314.	1.6	8
33	Retinal gene therapy. British Medical Bulletin, 2018, 126, 13-25.	2.7	52
34	Prevention of Photoreceptor Cell Loss in a Cln6 Mouse Model of Batten Disease Requires CLN6 Gene Transfer to Bipolar Cells. Molecular Therapy, 2018, 26, 1343-1353.	3.7	39
35	Late neuroprogenitors contribute to normal retinal vascular development in a Hif2a-dependent manner. Development (Cambridge), 2018, 145, .	1.2	12
36	Gene therapy for Leber congenital amaurosis. Expert Review of Ophthalmology, 2018, 13, 11-15.	0.3	3

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37	Isolation of Human Photoreceptor Precursors via a Cell Surface Marker Panel from Stem Cell-Derived Retinal Organoids and Fetal Retinae. Stem Cells, 2018, 36, 709-722.	1.4	65
38	Transplanted Donor- or Stem Cell-Derived Cone Photoreceptors Can Both Integrate and Undergo Material Transfer in an Environment-Dependent Manner. Stem Cell Reports, 2018, 10, 406-421.	2.3	96
39	Gene Therapy Approaches to Treat the Neurodegeneration and Visual Failure in Neuronal Ceroid Lipofuscinoses. Advances in Experimental Medicine and Biology, 2018, 1074, 91-99.	0.8	14
40	Assessment of AAV Vector Tropisms for Mouse and Human Pluripotent Stem Cellâ€“Derived RPE and Photoreceptor Cells. Human Gene Therapy, 2018, 29, 1124-1139.	1.4	53
41	Unlocking the Potential for Endogenous Repair to Restore Sight. Neuron, 2018, 100, 524-526.	3.8	11
42	Disrupted alternative splicing for genes implicated in splicing and ciliogenesis causes PRPF31 retinitis pigmentosa. Nature Communications, 2018, 9, 4234.	5.8	158
43	A novel adeno-associated virus capsid with enhanced neurotropism corrects a lysosomal transmembrane enzyme deficiency. Brain, 2018, 141, 2014-2031.	3.7	80
44	Regenerating Eye Tissues to Preserve and Restore Vision. Cell Stem Cell, 2018, 22, 834-849.	5.2	131
45	Use of bioreactors for culturing human retinal organoids improves photoreceptor yields. Stem Cell Research and Therapy, 2018, 9, 156.	2.4	85
46	Sustained and Widespread Gene Delivery to the Corneal Epithelium via In Situ Transduction of Limbal Epithelial Stem Cells, Using Lentiviral and Adeno-Associated Viral Vectors. Human Gene Therapy, 2018, 29, 1140-1152.	1.4	14
47	Transplantation of Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells in Macular Degeneration. Ophthalmology, 2018, 125, 1765-1775.	2.5	177
48	Hypoxia inducible factors are dispensable for myeloid cell migration into the inflamed mouse eye. Scientific Reports, 2017, 7, 40830.	1.6	10
49	Rescue of mutant rhodopsin traffic by metformin-induced AMPK activation accelerates photoreceptor degeneration. Human Molecular Genetics, 2017, 26, ddw387.	1.4	39
50	Harnessing the Potential of Human Pluripotent Stem Cells and Gene Editing for the Treatment of Retinal Degeneration. Current Stem Cell Reports, 2017, 3, 112-123.	0.7	27
51	Differentiation and Transplantation of Embryonic Stem Cell-Derived Cone Photoreceptors into a Mouse Model of End-Stage Retinal Degeneration. Stem Cell Reports, 2017, 8, 1659-1674.	2.3	82
52	Celebrating 25 Years of the European Society of Gene and Cell Therapy. Human Gene Therapy, 2017, 28, 939-939.	1.4	1
53	The Future Looks Brighter After 25 Years of Retinal Gene Therapy. Human Gene Therapy, 2017, 28, 982-987.	1.4	46
54	Recapitulation of Human Retinal Development from Human Pluripotent Stem Cells Generates Transplantable Populations of Cone Photoreceptors. Stem Cell Reports, 2017, 9, 820-837.	2.3	186

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55	Pluripotent stem cells and their utility in treating photoreceptor degenerations. Progress in Brain Research, 2017, 231, 191-223.	0.9	19
56	Isolation and Comparative Transcriptome Analysis of Human Fetal and iPSC-Derived Cone Photoreceptor Cells. Stem Cell Reports, 2017, 9, 1898-1915.	2.3	90
57	In situ regeneration of retinal pigment epithelium by gene transfer of E2F2: a potential strategy for treatment of macular degenerations. Gene Therapy, 2017, 24, 810-818.	2.3	19
58	Human stem cell-derived retinal epithelial cells activate complement via collectin 11 in response to stress. Scientific Reports, 2017, 7, 14625.	1.6	20
59	Early-Onset Progressive Degeneration of the Area Centralis in RPE65-Deficient Dogs. , 2017, 58, 3268.		16
60	Augmenting Endogenous Levels of Retinal Annexin A1 Suppresses Uveitis in Mice. Translational Vision Science and Technology, 2017, 6, 10.	1.1	8
61	Accelerated oxygen-induced retinopathy is a reliable model of ischemia-induced retinal neovascularization. PLoS ONE, 2017, 12, e0179759.	1.1	16
62	Induced Pluripotent Stem Cell Therapies for Degenerative Disease of the Outer Retina: Disease Modeling and Cell Replacement. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 240-252.	0.6	13
63	Enhanced Ccl2-Ccr2 signaling drives more severe choroidal neovascularization with aging. Neurobiology of Aging, 2016, 40, 110-119.	1.5	24
64	Flow cytometric analysis of inflammatory and resident myeloid populations in mouse ocular inflammatory models. Experimental Eye Research, 2016, 151, 160-170.	1.2	42
65	Development of an optimized AAV2/5 gene therapy vector for Leber congenital amaurosis owing to defects in RPE65. Gene Therapy, 2016, 23, 857-862.	2.3	64
66	Debate on Germline Gene Editing. Human Gene Therapy Methods, 2016, 27, 135-142.	2.1	8
67	Impact of BREXIT on UK Gene and Cell Therapy: The Need for Continued Pan-European Collaboration. Human Gene Therapy, 2016, 27, 653-655.	1.4	3
68	Dimethylarginine dimethylaminohydrolase-2 deficiency promotes vascular regeneration and attenuates pathological angiogenesis. Experimental Eye Research, 2016, 147, 148-155.	1.2	19
69	Investigation of SLA4A3 as a candidate gene for human retinal disease. Journal of Negative Results in BioMedicine, 2016, 15, 11.	1.4	1
70	Multimodal analysis of ocular inflammation using endotoxin-induced uveitis. DMM Disease Models and Mechanisms, 2016, 9, 473-81.	1.2	41
71	Myeloid-Derived Vascular Endothelial Growth Factor and Hypoxia-Inducible Factor Are Dispensable for Ocular Neovascularizationâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 19-24.	1.1	39
72	Photoreceptor rescue by an abbreviated human RPGR gene in a murine model of X-linked retinitis pigmentosa. Gene Therapy, 2016, 23, 196-204.	2.3	61

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73	Transplantation of Photoreceptor Precursors Isolated via a Cell Surface Biomarker Panel from Embryonic Stem Cell-Derived Self-Forming Retina. Stem Cells, 2015, 33, 2469-2482.	1.4	96
74	Spectral sensitivity measurements reveal partial success in restoring missing rod function with gene therapy. Journal of Vision, 2015, 15, 20.	0.1	14
75	MÃ¼ller Glia Activation in Response to Inherited Retinal Degeneration Is Highly Varied and Disease-Specific. PLoS ONE, 2015, 10, e0120415.	1.1	103
76	The severity of retinal pathology in homozygous Crb1rd8/rd8 mice is dependent on additional genetic factors. Human Molecular Genetics, 2015, 24, 128-141.	1.4	44
77	Annexin-A1 restricts Th17 cells and attenuates the severity of autoimmune disease. Journal of Autoimmunity, 2015, 58, 1-11.	3.0	32
78	Cellular strategies for retinal repair by photoreceptor replacement. Progress in Retinal and Eye Research, 2015, 46, 31-66.	7.3	114
79	IL-4 Regulates Specific Arg-1+ Macrophage sFlt-1â€“Mediated Inhibition of Angiogenesis. American Journal of Pathology, 2015, 185, 2324-2335.	1.9	33
80	Long-Term Effect of Gene Therapy on Leberâ€™s Congenital Amaurosis. New England Journal of Medicine, 2015, 372, 1887-1897.	13.9	635
81	Advancing Therapeutic Strategies for Inherited Retinal Degeneration: Recommendations From the Monaciano Symposium. Investigative Ophthalmology and Visual Science, 2015, 56, 918-931.	3.3	92
82	Gene therapy restores vision in rd1 mice after removal of a confounding mutation in Gpr179. Nature Communications, 2015, 6, 6006.	5.8	79
83	Cd59a deficiency in mice leads to preferential innate immune activation in the retinal pigment epitheliumâ€“choroid with age. Neurobiology of Aging, 2015, 36, 2637-2648.	1.5	16
84	Dark-Adaptation Functions in Molecularly Confirmed Achromatopsia and the Implications for Assessment in Retinal Therapy Trials. , 2014, 55, 6340.		14
85	Nature of the Visual Loss in Observers With Leber's Congenital Amaurosis Caused by Specific Mutations in RPE65. Investigative Ophthalmology and Visual Science, 2014, 55, 6817-6828.	3.3	15
86	A Prospective Longitudinal Study of Retinal Structure and Function in Achromatopsia. , 2014, 55, 5733.		68
87	Regulating cell-based regenerative medicine: the challenges ahead. Regenerative Medicine, 2014, 9, 81-87.	0.8	10
88	Retinal Structure and Function in Achromatopsia. Ophthalmology, 2014, 121, 234-245.	2.5	145
89	Hsp90 inhibition protects against inherited retinal degeneration. Human Molecular Genetics, 2014, 23, 2164-2175.	1.4	70
90	Migration, Integration and Maturation of Photoreceptor Precursors Following Transplantation in the Mouse Retina. Stem Cells and Development, 2014, 23, 941-954.	1.1	68

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91	The Relevance of Chemokine Signalling in Modulating Inherited and Age-Related Retinal Degenerations. Advances in Experimental Medicine and Biology, 2014, 801, 427-433.	0.8	5
92	Photoreceptor precursors derived from three-dimensional embryonic stem cell cultures integrate and mature within adult degenerate retina. Nature Biotechnology, 2013, 31, 741-747.	9.4	345
93	Ccl2, Cx3cr1 and Ccl2/Cx3cr1 chemokine deficiencies are not sufficient to cause age-related retinal degeneration. Experimental Eye Research, 2013, 107, 80-87.	1.2	42
94	Subconjunctival bevacizumab induces regression of corneal neovascularisation: a pilot randomised placebo-controlled double-masked trial. British Journal of Ophthalmology, 2013, 97, 28-32.	2.1	53
95	Reply to comment on â€œCcl2, Cx3cr1 and Ccl2/Cx3cr1 chemokine deficiencies are not sufficient to cause age-related retinal degenerationâ€•by Luhmann etÂal. (Exp. Eye Res. 107, February 2013, 80â€“87). Experimental Eye Research, 2013, 111, 136.	1.2	0
96	Brief Report: Self-Organizing Neuroepithelium from Human Pluripotent Stem Cells Facilitates Derivation of Photoreceptors. Stem Cells, 2013, 31, 408-414.	1.4	82
97	Repair of the degenerate retina by photoreceptor transplantation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 354-359.	3.3	246
98	Successful Gene Therapy in Older Rpe65-Deficient Dogs Following Subretinal Injection of an Adeno-Associated Vector Expressing RPE65. Human Gene Therapy, 2013, 24, 883-893.	1.4	29
99	RPE65 gene therapy slows cone loss in Rpe65-deficient dogs. Gene Therapy, 2013, 20, 545-555.	2.3	53
100	CD200R signaling inhibits pro-angiogenic gene expression by macrophages and suppresses choroidal neovascularization. Scientific Reports, 2013, 3, 3072.	1.6	31
101	Assessment and In Vivo Scoring of Murine Experimental Autoimmune Uveoretinitis Using Optical Coherence Tomography. PLoS ONE, 2013, 8, e63002.	1.1	45
102	Absence of ocular malignant transformation after sub-retinal delivery of rAAV2/2 or integrating lentiviral vectors in p53-deficient mice. Gene Therapy, 2012, 19, 182-188.	2.3	15
103	Ocular gene therapy: introduction to the special issue. Gene Therapy, 2012, 19, 119-120.	2.3	12
104	Von Hippel-Lindau protein in the RPE is essential for normal ocular growth and vascular development. Development (Cambridge), 2012, 139, 2340-2350.	1.2	23
105	Gene Therapy for Retinal Dystrophies: Twenty Years in the Making. Human Gene Therapy, 2012, 23, 337-339.	1.4	11
106	Retinal cell transplantation: prospects for the future. Expert Review of Ophthalmology, 2012, 7, 99-101.	0.3	0
107	Manipulation of the Recipient Retinal Environment by Ectopic Expression of Neurotrophic Growth Factors Can Improve Transplanted Photoreceptor Integration and Survival. Cell Transplantation, 2012, 21, 871-887.	1.2	35
108	Differential Modulation of Retinal Degeneration by Ccl2 and Cx3cr1 Chemokine Signalling. PLoS ONE, 2012, 7, e35551.	1.1	54

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109	Gene Therapy for Noninfectious Uveitis. Ocular Immunology and Inflammation, 2012, 20, 394-405.	1.0	13
110	Endogenous Erythropoietin Protects Neuroretinal Function in Ischemic Retinopathy. American Journal of Pathology, 2012, 180, 1726-1739.	1.9	33
111	Experimental gene transfer to the corneal endothelium. Experimental Eye Research, 2012, 95, 54-59.	1.2	23
112	Ocular gene delivery using lentiviral vectors. Gene Therapy, 2012, 19, 145-153.	2.3	85
113	Gene supplementation therapy for recessive forms of inherited retinal dystrophies. Gene Therapy, 2012, 19, 154-161.	2.3	52
114	Gene Augmentation Trials Using the Rpe65-Deficient Dog: Contributions Towards Development and Refinement of Human Clinical Trials. Advances in Experimental Medicine and Biology, 2012, 723, 177-182.	0.8	10
115	Defining the Integration Capacity of Embryonic Stem Cell-Derived Photoreceptor Precursors. Stem Cells, 2012, 30, 1424-1435.	1.4	119
116	Restoration of vision after transplantation of photoreceptors. Nature, 2012, 485, 99-103.	13.7	447
117	Educational paper. European Journal of Pediatrics, 2012, 171, 757-765.	1.3	23
118	Leber Congenital Amaurosis Associated with AIPL1: Challenges in Ascribing Disease Causation, Clinical Findings, and Implications for Gene Therapy. PLoS ONE, 2012, 7, e32330.	1.1	28
119	Local Vs. Systemic Mononuclear Phagocytes in Age-Related Macular Degeneration and Their Regulation by CCL2â€“CCR2 and CX3CL1â€“CX3CR1 Chemokine Signalling. Advances in Experimental Medicine and Biology, 2012, 723, 17-22.	0.8	6
120	Long-Term Preservation of Cones and Improvement in Visual Function Following Gene Therapy in a Mouse Model of Leber Congenital Amaurosis Caused by Guanylate Cyclase-1 Deficiency. Human Gene Therapy, 2011, 22, 1179-1190.	1.4	70
121	Stem cell therapy for blindness: new developments and implications for the future. Expert Review of Ophthalmology, 2011, 6, 1-3.	0.3	1
122	Intraocular Oxygen Distribution in Advanced Proliferative Diabetic Retinopathy. American Journal of Ophthalmology, 2011, 152, 406-412.e3.	1.7	81
123	Induced pluripotent stem cell technology for generating photoreceptors. Regenerative Medicine, 2011, 6, 469-479.	0.8	26
124	Comparative Analysis of the Retinal Potential of Embryonic Stem Cells and Amniotic Fluid-Derived Stem Cells. Stem Cells and Development, 2011, 20, 851-863.	1.1	22
125	Dominant Cone-Rod Dystrophy: A Mouse Model Generated by Gene Targeting of the GCAP1/Guca1a Gene. PLoS ONE, 2011, 6, e18089.	1.1	28
126	Gene therapy in the second eye of RPE65-deficient dogs improves retinal function. Gene Therapy, 2011, 18, 53-61.	2.3	61

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127	DIY eye. Nature, 2011, 472, 42-43.	13.7	22
128	Effective Transplantation of Photoreceptor Precursor Cells Selected via Cell Surface Antigen Expression. Stem Cells, 2011, 29, 1391-1404.	1.4	107
129	Lentiviral Vector Integration Profiles Differ in Rodent Postmitotic Tissues. Molecular Therapy, 2011, 19, 703-710.	3.7	51
130	Long-term and age-dependent restoration of visual function in a mouse model of CNGB3-associated achromatopsia following gene therapy. Human Molecular Genetics, 2011, 20, 3161-3175.	1.4	157
131	Isolation and Culture of Adult Ciliary Epithelial Cells, Previously Identified as Retinal Stem Cells, and Retinal Progenitor Cells. Current Protocols in Stem Cell Biology, 2011, 19, Unit 1H.4.	3.0	2
132	Characterisation of a C1qtnf5 Ser163Arg Knock-In Mouse Model of Late-Onset Retinal Macular Degeneration. PLoS ONE, 2011, 6, e27433.	1.1	16
133	Targeted Disruption of Outer Limiting Membrane Junctional Proteins (Crb1 and ZO-1) Increases Integration of Transplanted Photoreceptor Precursors into the Adult Wild-Type and Degenerating Retina. Cell Transplantation, 2010, 19, 487-503.	1.2	115
134	Adult Ciliary Epithelial Cells, Previously Identified as Retinal Stem Cells with Potential for Retinal Repair, Fail to Differentiate into New Rod Photoreceptors. Stem Cells, 2010, 28, 1048-1059.	1.4	107
135	Long-Term Survival of Photoreceptors Transplanted into the Adult Murine Neural Retina Requires Immune Modulation. Stem Cells, 2010, 28, 1997-2007.	1.4	117
136	Gene therapy with a promoter targeting both rods and cones rescues retinal degeneration caused by AIPL1 mutations. Gene Therapy, 2010, 17, 117-131.	2.3	114
137	AAV-mediated knockdown of Peripherin-2 in vivo using miRNA-based hairpins. Gene Therapy, 2010, 17, 486-493.	2.3	51
138	HIF-1alpha and HIF-2alpha Are Differentially Activated in Distinct Cell Populations in Retinal Ischaemia. PLoS ONE, 2010, 5, e11103.	1.1	90
139	Gene therapy for retinitis pigmentosa and Leber congenital amaurosis caused by defects in AIPL1: effective rescue of mouse models of partial and complete Aipl1 deficiency using AAV2/2 and AAV2/8 vectors. Human Molecular Genetics, 2010, 19, 735-735.	1.4	1
140	Cone and rod photoreceptor transplantation in models of the childhood retinopathy Leber congenital amaurosis using flow-sorted Crx-positive donor cells. Human Molecular Genetics, 2010, 19, 4545-4559.	1.4	96
141	GFAP-Driven GFP Expression in Activated Mouse MÃ¼ller Glial Cells Aligning Retinal Blood Vessels Following Intravitreal Injection of AAV2/6 Vectors. PLoS ONE, 2010, 5, e12387.	1.1	39
142	The Tight Junction Associated Signalling Proteins ZO-1 and ZONAB Regulate Retinal Pigment Epithelium Homeostasis in Mice. PLoS ONE, 2010, 5, e15730.	1.1	104
143	Gene therapy for retinitis pigmentosa and Leber congenital amaurosis caused by defects in AIPL1: effective rescue of mouse models of partial and complete Aipl1 deficiency using AAV2/2 and AAV2/8 vectors. Human Molecular Genetics, 2009, 18, 2099-2114.	1.4	107
144	Cell transplantation strategies for retinal repair. Progress in Brain Research, 2009, 175, 3-21.	0.9	87

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145	The Drusenlike Phenotype in AgingCcl2-Knockout Mice Is Caused by an Accelerated Accumulation of Swollen Autofluorescent Subretinal Macrophages. , 2009, 50, 5934.		186
146	Prospects for retinal gene replacement therapy. Trends in Genetics, 2009, 25, 156-165.	2.9	71
147	Subretinal delivery of adenoâ€associated virus serotype 2 results in minimal immune responses that allow repeat vector administration in immunocompetent mice. Journal of Gene Medicine, 2009, 11, 486-497.	1.4	55
148	Comprehensive genomic access to vector integration in clinical gene therapy. Nature Medicine, 2009, 15, 1431-1436.	15.2	173
149	Lentiviral-vector-mediated expression of murine IL-1 receptor antagonist or IL-10 reduces the severity of endotoxin-induced uveitis. Gene Therapy, 2008, 15, 1478-1488.	2.3	39
150	Success in sight: The eyes have it! Ocular gene therapy trials for LCA look promising. Gene Therapy, 2008, 15, 1191-1192.	2.3	37
151	Ocular gene therapy trials due to report this year; Keeping an eye on clinical trials in 2008. Gene Therapy, 2008, 15, 633-634.	2.3	11
152	AAV-mediated gene therapy for retinal disorders: from mouse to man. Gene Therapy, 2008, 15, 849-857.	2.3	111
153	Assessment of ocular transduction using single-stranded and self-complementary recombinant adeno-associated virus serotype 2/8. Gene Therapy, 2008, 15, 463-467.	2.3	117
154	Isolation and characterisation of neural progenitor cells from the adult Chx10orJ/orJ central neural retina. Molecular and Cellular Neurosciences, 2008, 38, 359-373.	1.0	10
155	Pharmacological disruption of the outer limiting membrane leads to increased retinal integration of transplanted photoreceptor precursors. Experimental Eye Research, 2008, 86, 601-611.	1.2	147
156	Effect of Gene Therapy on Visual Function in Leber's Congenital Amaurosis. New England Journal of Medicine, 2008, 358, 2231-2239.	13.9	1,793
157	Gene therapy for inherited childhood blindness shows promise. Expert Review of Ophthalmology, 2008, 3, 357-359.	0.3	3
158	Prospects for Gene Therapy. Novartis Foundation Symposium, 2008, , 165-176.	1.2	10
159	Comprehensive and Unbiased Integration Site Analysis in Clinical Gene Therapy.. Blood, 2008, 112, 2351-2351.	0.6	0
160	Topographical characterization of cone photoreceptors and the area centralis of the canine retina. Molecular Vision, 2008, 14, 2518-27.	1.1	84
161	Neuroprotective Gene Therapy for the Treatment of Inherited Retinal Degeneration. Current Gene Therapy, 2007, 7, 434-445.	0.9	25
162	AAV-Mediated Expression Targeting of Rod and Cone Photoreceptors with a Human Rhodopsin Kinase Promoter. , 2007, 48, 3954.		107

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163	Gene Transfer of An Engineered Zinc Finger Protein Enhances the Anti-angiogenic Defense System. Molecular Therapy, 2007, 15, 1917-1923.	3.7	17
164	Autologous Transplantation of the Retinal Pigment Epithelium and Choroid in the Treatment of Neovascular Age-Related Macular Degeneration. Ophthalmology, 2007, 114, 561-570.e2.	2.5	134
165	Comparative Analysis of Progenitor Cells Isolated from the Iris, Pars Plana, and Ciliary Body of the Adult Porcine Eye. Stem Cells, 2007, 25, 2430-2438.	1.4	82
166	Restoration of vision in RPE65-deficient Briard dogs using an AAV serotype 4 vector that specifically targets the retinal pigmented epithelium. Gene Therapy, 2007, 14, 292-303.	2.3	182
167	CNTF gene transfer protects ganglion cells in rat retinae undergoing focal injury and branch vessel occlusion. Experimental Eye Research, 2006, 83, 1118-1127.	1.2	38
168	Absence ofChx10Causes Neural Progenitors to Persist in the Adult Retina. , 2006, 47, 386.		33
169	Effective gene therapy with nonintegrating lentiviral vectors. Nature Medicine, 2006, 12, 348-353.	15.2	416
170	Retinal repair by transplantation of photoreceptor precursors. Nature, 2006, 444, 203-207.	13.7	999
171	Permanent partial phenotypic correction and tolerance in a mouse model of hemophilia B by stem cell gene delivery of human factor IX. Gene Therapy, 2006, 13, 117-126.	2.3	54
172	EIAV vector-mediated delivery of endostatin or angiostatin inhibits angiogenesis and vascular hyperpermeability in experimental CNV. Gene Therapy, 2006, 13, 1153-1165.	2.3	59
173	Gene therapy progress and prospects: the eye. Gene Therapy, 2006, 13, 1191-1197.	2.3	130
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