Neal S Peachey

List of Publications by Year
in descending order

180	10,575	36303 51	40979 93
papers	citations	h-index	g-index

187	187	187	10962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nature Genetics, 2016, 48, 134-143.	21.4	1,167
2	Seven new loci associated with age-related macular degeneration. Nature Genetics, 2013, 45, 433-439.	21.4	687
3	Genetic variants near TIMP3 and high-density lipoproteinâ€“associated loci influence susceptibility to age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7401-7406.	7.1	475
4	Norrin, Frizzled-4, and Lrp5 Signaling in Endothelial Cells Controls a Genetic Program for Retinal Vascularization. Cell, 2009, 139, 285-298.	28.9	377
5	Mechanisms of Rhodopsin Inactivation in Vivo as Revealed by a COOH-Terminal Truncation Mutant. Science, 1995, 267, 374-377.	12.6	280
6	Thenob2mouse, a null mutation inCacna1f: Anatomical and functional abnormalities in the outer retina and their consequences on ganglion cell visual responses. Visual Neuroscience, 2006, 23, 11-24.	1.0	194
7	A Transient Receptor Potential-Like Channel Mediates Synaptic Transmission in Rod Bipolar Cells. Journal of Neuroscience, 2009, 29, 6088-6093.	3.6	192
8	The Light Peak of the Electroretinogram Is Dependent on Voltage-gated Calcium Channels and Antagonized by Bestrophin (Best-1). Journal of General Physiology, 2006, 127, 577-589.	1.9	186
9	Implantation of silicon chip microphotodiode arrays into the cat subretinal space. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2001, 9, 86-95.	4.9	183
10	Expression of bestrophinâ€1, the product of the VMD2 gene, modulates voltageâ€dependent Ca 2+ channels in retinal pigment epithelial cells. FASEB Journal, 2006, 20, 178-180.	0.5	179
11	Neuronal Pentraxins Mediate Synaptic Refinement in the Developing Visual System. Journal of Neuroscience, 2006, 26, 6269-6281.	3.6	156
12	Role of the beta(2) subunit of voltage-dependent calcium channels in the retinal outer plexiform layer. Investigative Ophthalmology and Visual Science, 2002, 43, 1595-603.	3.3	146
13	Proteomics Reveal Cochlin Deposits Associated with Glaucomatous Trabecular Meshwork. Journal of Biological Chemistry, 2005, 280, 6080-6084.	3.4	140
14	Class 5 Transmembrane Semaphorins Control Selective Mammalian Retinal Lamination and Function. Neuron, 2011, 71, 460-473.	8.1	137
15	GPR179 Is Required for Depolarizing Bipolar Cell Function and Is Mutated in Autosomal-Recessive Complete Congenital Stationary Night Blindness. American Journal of Human Genetics, 2012, 90, 331-339.	6.2	131
16	Functional roles of bestrophins in ocular epithelia. Progress in Retinal and Eye Research, 2009, 28, 206-226.	15.5	125
17	Mutations in the RPGR gene cause X-linked cone dystrophy. Human Molecular Genetics, 2002, 11, 605-611.	2.9	115
18	Formation and progression of sub-retinal pigment epithelium deposits in Efemp1 mutation knock-in mice: a model for the early pathogenic course of macular degeneration. Human Molecular Genetics, 2007, 16, 2423-2432.	2.9	113

#	Article	IF	Citations
19	The Effect of Peripherin/rds Haploinsufficiency on Rod and Cone Photoreceptors. Journal of Neuroscience, 1997, 17, 8118-8128.	3.6	111
20	Elimination of the Ï1 Subunit Abolishes GABA_CReceptor Expression and Alters Visual Processing in the Mouse Retina. Journal of Neuroscience, 2002, 22, 4163-4174.	3.6	109
21	Properties of the mouse cone-mediated electroretinogram during light adaptation. Neuroscience Letters, 1993, 162, 9-11.	2.1	105
22	Early Onset Photoreceptor Abnormalities Induced by Targeted Disruption of the Interphotoreceptor Retinoid-Binding Protein Gene. Journal of Neuroscience, 1998, 18, 4511-4520.	3.6	105
23	Identification of the Gene and the Mutation Responsible for the MousenobPhenotype. , 2003, 44, 378.		105
24	Electrophysiological analysis of visual function in mutant mice. Documenta Ophthalmologica, 2003, 107, 13-35.	2.2	104
25	Subretinal Semiconductor Microphotodiode Array. Ophthalmic Surgery Lasers and Imaging Retina, 1998, 29, 234-241.	0.7	99
26	Suppression of Ca2+ signaling in a mouse model of Best disease. Human Molecular Genetics, 2010, 19, 1108-1118.	2.9	92
27	Age-Related Changes in the Mouse Outer Retina. Optometry and Vision Science, 2001, 78, 425-430.	1.2	90
28	Nyctalopin Expression in Retinal Bipolar Cells Restores Visual Function in a Mouse Model of Complete X-Linked Congenital Stationary Night Blindness. Journal of Neurophysiology, 2007, 98, 3023-3033.	1.8	90
29	The rhodopsin cycle is preserved in IRBP â€œknockoutâ€•mice despite abnormalities in retinal structure and function. Visual Neuroscience, 2000, 17, 97-105.	1.0	88
30	Assessing Susceptibility to Age-related Macular Degeneration with Proteomic and Genomic Biomarkers. Molecular and Cellular Proteomics, 2009, 8, 1338-1349.	3.8	88
31	Mutations in Lama1 Disrupt Retinal Vascular Development and Inner Limiting Membrane Formation. Journal of Biological Chemistry, 2010, 285, 7697-7711.	3.4	85
32	The luminance-response function of the dark-adapted human electroretinogram. Vision Research, 1989, 29, 263-270.	1.4	83
33	Expression and Localization of Bestrophin during Normal Mouse Development. , 2003, 44, 3622.		82
34	Immunohistochemical Studies of the Retina Following Long-term Implantation with Subretinal Microphotodiode Arrays. Experimental Eye Research, 2001, 73, 333-343.	2.6	75
35	Ocular abnormalities in Largemyd and Largevls mice, spontaneous models for muscle, eye, and brain diseases. Molecular and Cellular Neurosciences, 2005, 30, 160-172.	2.2	74
36	Autoantibodies in Melanoma-Associated Retinopathy Target TRPM1 Cation Channels of Retinal ON Bipolar Cells. Journal of Neuroscience, 2011, 31, 3962-3967.	3.6	73

#	Article	IF	Citations
37	Modulating GLUT1 expression in retinal pigment epithelium decreases glucose levels in the retina: impact on photoreceptors and MÃ¼ller glial cells. American Journal of Physiology - Cell Physiology, 2019, 316, C121-C133.	4.6	73
38	Early retinal pigment epithelium dysfunction is concomitant with hyperglycemia in mouse models of type 1 and type 2 diabetes. Journal of Neurophysiology, 2015, 113, 1085-1099.	1.8	72
39	Ciliary Neurotrophic Factor for Macular Telangiectasia Type 2: Results From a Phase 1ÂSafety Trial. American Journal of Ophthalmology, 2015, 159, 659-666.e1.	3.3	72
40	Insulin Receptor Substrate 2 Is Essential for Maturation and Survival of Photoreceptor Cells. Journal of Neuroscience, 2005, 25, 1240-1248.	3.6	69
41	Temporal Properties of the Mouse Cone Electroretinogram. Journal of Neurophysiology, 2002, 87, 42-48.	1.8	67
42	Morphological and Physiological Consequences of the Selective Elimination of Rod Photoreceptors in Transgenic Mice. Experimental Eye Research, 1996, 63, 35-49.	2.6	66
43	Light-Evoked Responses of the Mouse Retinal Pigment Epithelium. Journal of Neurophysiology, 2004, 91, 1134-1142.	1.8	64
44	Guidance-Cue Control of Horizontal Cell Morphology, Lamination, and Synapse Formation in the Mammalian Outer Retina. Journal of Neuroscience, 2012, 32, 6859-6868.	3.6	62
45	A Novel Role of Complement in Retinal Degeneration. , 2012, 53, 7684.		61
46	Intravitreal delivery of a novel AAV vector targets ON bipolar cells and restores visual function in a mouse model of complete congenital stationary night blindness. Human Molecular Genetics, 2015, 24, 6229-6239.	2.9	60
47	The Subretinal Microphotodiode Array Retinal Prosthesis. Ophthalmic Research, 1998, 30, 195-196.	1.9	59
48	Retinal Degeneration in a Rodent Model of Smith-Lemli-Opitz Syndrome. JAMA Ophthalmology, 2004, 122, 1190.	2.4	59
49	Voltage-Dependent Calcium Channel CaV1.3 Subunits Regulate the Light Peak of the Electroretinogram. Journal of Neurophysiology, 2007, 97, 3731-3735.	1.8	59
50	Rod and Cone Dysfunction in Carriers of X-linked Retinitis Pigmentosa. Ophthalmology, 1988, 95, 677-685.	5.2	58
51	Properties of the human cone system electroretinogram during light adaptation. Applied Optics, 1989, 28, 1145.	2.1	58
52	Rod phototransduction in transgenic mice expressing a mutant opsin gene. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 577.	1.5	58
53	GPR179 Is Required for High Sensitivity of the mGluR6 Signaling Cascade in Depolarizing Bipolar Cells. Journal of Neuroscience, 2014, 34, 6334-6343.	3.6	58
54	Pharmacological studies of the mouse cone electroretinogram. Visual Neuroscience, 2005, 22, 631-636.	1.0	56

#	Article	IF	Citations
55	A Model of Best Vitelliform Macular Dystrophy in Rats. , 2004, 45, 3733.		55
56	Genome-wide association identifies SKIV2L and MYRIP as protective factors for age-related macular degeneration. Genes and Immunity, 2010, 11, 609-621.	4.1	55
57	Abnormal vascularization in mouse retina with dysregulated retinal cholesterol homeostasis. Journal of Clinical Investigation, 2012, 122, 3012-3023.	8.2	54
58	Interaction between the Photoreceptor-Specific Tubby-like Protein 1 and the Neuronal-Specific GTPase Dynamin-1. , 2007, 48, 2837.		52
59	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. Human Molecular Genetics, 2014, 23, 5827-5837.	2.9	52
60	Rod and cone system contributions to oscillatory potentials: An explanation for the conditioning flash effect. Vision Research, 1987, 27, 859-866.	1.4	51
61	Immunohistochemical analysis of the outer plexiform layer in the nob mouse shows no abnormalities. Visual Neuroscience, 2003, 20, 267-272.	1.0	51
62	Mutations in CTNNA1 cause butterfly-shaped pigment dystrophy and perturbed retinal pigment epithelium integrity. Nature Genetics, 2016, 48, 144-151.	21.4	50
63	Early Synaptic Defects intulp1^{â^'/â^'}Mice. , 2009, 50, 3074.		48
64	Age-related changes in visual function in cystathionine-beta-synthase mutant mice, a model of hyperhomocysteinemia. Experimental Eye Research, 2012, 96, 124-131.	2.6	47
65	Degeneration of Cone Photoreceptors Induced by Expression of the Mas1 Protooncogene. Experimental Neurology, 2000, 163, 207-219.	4.1	46
66	A 32 kb Critical Region Excluding Y402H in CFH Mediates Risk for Age-Related Macular Degeneration. PLoS ONE, 2011, 6, e25598.	2.5	46
67	Light adaptation, rods, and the human cone flicker ERG. Visual Neuroscience, 1992, 8, 145-150.	1.0	44
68	Polygenic Disease and Retinitis Pigmentosa: Albinism Exacerbates Photoreceptor Degeneration Induced by the Expression of a Mutant Opsin in Transgenic Mice. Journal of Neuroscience, 1996, 16, 7853-7858.	3.6	43
69	Mouse b-wave mutants. Documenta Ophthalmologica, 2014, 128, 77-89.	2.2	43
70	Pharmacological analysis of the rat cone electroretinogram. Visual Neuroscience, 2003, 20, 297-306.	1.0	42
71	Membrane frizzled-related protein is necessary for the normal development and maintenance of photoreceptor outer segments. Visual Neuroscience, 2008, 25, 563-574.	1.0	42
72	Depolarizing bipolar cell dysfunction due to a Trpm1 point mutation. Journal of Neurophysiology, 2012, 108, 2442-2451.	1.8	42

#	Article	IF	Citations
73	Disruption of murineAdamtsl4results in zonular fiber detachment from the lens and in retinal pigment epithelium dedifferentiation. Human Molecular Genetics, 2015, 24, ddv399.	2.9	41
74	Retinal and Nonocular Abnormalities in Cyp27a1Cyp46a1 Mice with Dysfunctional Metabolism of Cholesterol. American Journal of Pathology, 2014, 184, 2403-2419.	3.8	40
75	Comparison of three methods of estimating the parameters of the Naka-Rushton equation. Documenta Ophthalmologica, 1993, 84, 19-30.	2.2	39
76	Genetic loss of function of Ptbp1 does not induce glia-to-neuron conversion in retina. Cell Reports, 2022, 39, 110849.	6.4	39
77	Functional consequences of oncogene-induced horizontal cell degeneration in the retinas of transgenic mice. Visual Neuroscience, 1997, 14, 627-632.	1.0	38
78	Cochlin deposits in the trabecular meshwork of the glaucomatous DBA/2J mouse. Experimental Eye Research, 2005, 80, 741-744.	2.6	38
79	Light-induced exacerbation of retinal degeneration in a rat model of Smithâ€“Lemliâ€“Opitz syndrome. Experimental Eye Research, 2006, 82, 496-504.	2.6	38
80	Ankyrin-B is required for coordinated expression of beta-2-spectrin, the Na/K-ATPase and the Na/Ca exchanger in the inner segment of rod photoreceptors. Experimental Eye Research, 2009, 88, 57-64.	2.6	37
81	Mouse models of human ocular disease for translational research. PLoS ONE, 2017, 12, e0183837.	2.5	37
82	Mutations of the Opsin Gene (Y102H and I307N) Lead to Light-induced Degeneration of Photoreceptors and Constitutive Activation of Phototransduction in Mice. Journal of Biological Chemistry, 2010, 285, 14521-14533.	3.4	36
83	Light-Evoked Responses of the Retinal Pigment Epithelium: Changes Accompanying Photoreceptor Loss in the Mouse. Journal of Neurophysiology, 2010, 104, 391-402.	1.8	36
84	The Subretinal Microphotodiode Array Retinal Prosthesis II. Ophthalmic Research, 1999, 31, 246-246.	1.9	35
85	Subretinal implantation of semiconductor-based photodiodes: durability of novel implant designs. Journal of Rehabilitation Research and Development, 2002, 39, 313-21.	1.6	35
86	Microtubule-Associated Protein 1 Light Chain 3B, (LC3B) Is Necessary to Maintain Lipid-Mediated Homeostasis in the Retinal Pigment Epithelium. Frontiers in Cellular Neuroscience, 2018, 12, 351.	3.7	34
87	Contribution of Kir4.1 to the mouse electroretinogram. Molecular Vision, 2004, 10, 650-4.	1.1	34
88	Retinal abnormalities associated with the G90D mutation in opsin. Journal of Comparative Neurology, 2004, 478, 149-163.	1.6	33
89	Noninvasive Electroretinographic Procedures for the Study of the Mouse Retina. Current Protocols in Mouse Biology, 2018, 8, 1-16.	1.2	33
90	Effects of light adaptation on the response characteristics of human oscillatory potentials. Electroencephalography and Clinical Neurophysiology, 1991, 78, 27-34.	0.3	32

#	Article	IF	Citations
91	Distinct and Atypical Intrinsic and Extrinsic Cell Death Pathways between Photoreceptor Cell Types upon Specific Ablation of Ranbp2 in Cone Photoreceptors. PLoS Genetics, 2013, 9, e1003555.	3.5	32
92	Exclusion of aldose reductase as a mediator of ERG deficits in a mouse model of diabetic eye disease. Visual Neuroscience, 2012, 29, 267-274.	1.0	31
93	Proteomic and Genomic Biomarkers for Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2010, 664, 411-417.	1.6	30
94	Electroretinographic Findings in Human Oculocutaneous Albinism. Ophthalmology, 1989, 96, 1778-1785.	5.2	29
95	Short-term changes in the response characteristics of the human visual evoked potential. Vision Research, 1994, 34, 2823-2831.	1.4	29
96	Partial Rescue of Retinal Function and Sterol Steady-State in a Rat Model of Smith-Lemli-Opitz Syndrome. Pediatric Research, 2007, 61, 273-278.	2.3	29
97	Photoreceptor Degeneration, Azoospermia, Leukoencephalopathy, and Abnormal RPE Cell Function in Mice Expressing an Early Stop Mutation inCLCN2. , 2010, 51, 3264.		29
98	Complement anaphylatoxin receptors C3aR and C5aR are required in the pathogenesis of experimental autoimmune uveitis. Journal of Leukocyte Biology, 2016, 99, 447-454.	3.3	29
99	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, 139, 1299.	2.5	29
100	Retinoid isomerase inhibitors impair but do not block mammalian cone photoreceptor function. Journal of General Physiology, 2018, 150, 571-590.	1.9	28
101	An Intramembrane Glutamic Acid Governs Peripherin/rds Function for Photoreceptor Disk Morphogenesis. , 2007, 48, 2975.		27
102	Glycosylation of rhodopsin is necessary for its stability and incorporation into photoreceptor outer segment discs. Human Molecular Genetics, 2015, 24, 2709-2723.	2.9	27
103	Functional consequences of oncogene-induced photoreceptor degeneration in transgenic mice. Visual Neuroscience, 1995, 12, 513-522.	1.0	26
104	Retinal Degeneration in the nervous Mutant Mouse. III. Electrophysiological Studies of the Visual Pathway. Experimental Eye Research, 2000, 70, 467-473.	2.6	25
105	Role of monocarboxylate transporters in regulating metabolic homeostasis in the outer retina: Insight gained from cellâ€specific Bsg deletion. FASEB Journal, 2020, 34, 5401-5419.	0.5	25
106	Status of the feline retina 5 years after subretinal implantation. Journal of Rehabilitation Research and Development, 2006, 43, 723.	1.6	25
107	Component-specific effects of physostigmine on the cat visual evoked potential. Experimental Brain Research, 1993, 95, 271-6.	1.5	24
108	Selective Impairment of a Subset of Ran-GTP-binding Domains of Ran-binding Protein 2 (Ranbp2) Suffices to Recapitulate the Degeneration of the Retinal Pigment Epithelium (RPE) Triggered by Ranbp2 Ablation. Journal of Biological Chemistry, 2014, 289, 29767-29789.	3.4	24

#	Article	IF	Citations
109	Protective Effect of Paraoxonase 1 Gene Variant Gln192Arg in Age-Related Macular Degeneration. American Journal of Ophthalmology, 2010, 149, 513-522.	3.3	23
110	Prevention of Retinal Degeneration in a Rat Model of Smith-Lemli-Opitz Syndrome. Scientific Reports, 2018, 8, 1286.	3.3	23
111	Functional abnormalities in the retinal pigment epithelium of CFTR mutant mice. Experimental Eye Research, 2006, 83, 424-428.	2.6	22
112	Deficiency of CC chemokine ligand 2 and decay-accelerating factor causes retinal degeneration in mice. Experimental Eye Research, 2015, 138, 126-133.	2.6	22
113	Deletion of GLUT1 in mouse lens epithelium leads to cataract formation. Experimental Eye Research, 2018, 172, 45-53.	2.6	22
114	Conditional deletion ofDes1in the mouse retina does not impair the visual cycle in cones. FASEB Journal, 2019, 33, 5782-5792.	0.5	22
115	Light adaptation and the luminance-response function of the cone electroretinogram. Documenta Ophthalmologica, 1992, 79, 363-369.	2.2	21
116	Cochlin and glaucoma: A mini-review. Visual Neuroscience, 2005, 22, 605-613.	1.0	21
117	The circadian clock geneBmal1is required to control the timing of retinal neurogenesis and lamination of MÃ¼ller glia in the mouse retina. FASEB Journal, 2019, 33, 8745-8758.	0.5	21
118	Rapid and slow changes in the human cone electroretinogram during light and dark adaptation. Vision Research, 1992, 32, 2049-2053.	1.4	19
119	Noninvasive recording and response characteristics of the rat dc-electroretinogram. Visual Neuroscience, 2002, 19, 693-701.	1.0	19
120	Rational Tuning of Visual Cycle Modulator Pharmacodynamics. Journal of Pharmacology and Experimental Therapeutics, 2017, 362, 131-145.	2.5	19
121	A 221-bp fragment of the mouse opsin promoter directs expression specifically to the rod photoreceptors of transgenic mice. Visual Neuroscience, 1997, 14, 617-625.	1.0	18
122	Microglial activation in an amyotrophic lateral sclerosis-like model caused by Ranbp2 loss and nucleocytoplasmic transport impairment in retinal ganglion neurons. Cellular and Molecular Life Sciences, 2019, 76, 3407-3432.	5.4	18
123	Retinal structure and function in an animal model that replicates the biochemical hallmarks of desmosterolosis. Neurochemical Research, 2000, 25, 685-694.	3.3	17
124	Transgenic Bcl-2 Expressed in Photoreceptor Cells Confers Both Death-sparing and Death-inducing Effects. Experimental Eye Research, 2001, 73, 711-721.	2.6	17
125	Electrophysiological responses of the mouse retina to 12C ions. Neuroscience Letters, 2007, 416, 231-235.	2.1	17
126	Light-Regulated Thyroid Hormone Signaling Is Required for Rod Photoreceptor Development in the Mouse Retina. , 2015, 56, 8248.		17

#	Article	IF	Citations
127	Mouse models of X-linked juvenile retinoschisis have an early onset phenotype, the severity of which varies with genotype. Human Molecular Genetics, 2019, 28, 3072-3090.	2.9	17
128	Visual evoked potentials to infrared stimulation in normal cats and rats. Documenta Ophthalmologica, 2001, 103, 155-162.	2.2	16
129	Visual abnormalities associated with enhanced optic nerve myelination. Brain Research, 2011, 1374, 36-42.	2.2	16
130	Spatial properties of rod-cone interactions in flicker and hue detection. Vision Research, 1990, 30, 1205-1210.	1.4	15
131	Mapping a new genetic locus for X linked retinitis pigmentosa to Xq28. Journal of Medical Genetics, 2006, 43, e27-e27.	3.2	15
132	Differential Loss of Prolyl Isomerase or Chaperone Activity of Ran-binding Protein 2 (Ranbp2) Unveils Distinct Physiological Roles of Its Cyclophilin Domain in Proteostasis. Journal of Biological Chemistry, 2014, 289, 4600-4625.	3.4	15
133	Inducing a Visceral Organ to Protect a Peripheral Capillary Bed. American Journal of Pathology, 2014, 184, 1890-1899.	3.8	14
134	Identification of a new mutant allele,Grm6^{nob7}, for complete congenital stationary night blindness. Visual Neuroscience, 2015, 32, E004.	1.0	14
135	Visual cortical plasticity following unilateral sensorimotor cortical lesions in the neonatal rat. Experimental Neurology, 2006, 199, 122-129.	4.1	13
136	Attenuation of oscillatory potentials in nob2 mice. Documenta Ophthalmologica, 2007, 115, 173-186.	2.2	13
137	A missense mutation in Grm6 reduces but does not eliminate mGluR6 expression or rod depolarizing bipolar cell function. Journal of Neurophysiology, 2017, 118, 845-854.	1.8	13
138	Correlation of Electroretinographic Findings and Peripheral Retinal Nonperfusion in Patients With Sickle Cell Retinopathy. JAMA Ophthalmology, 1990, 108, 1106.	2.4	12
139	Retinal Degeneration in the nervous Mutant Mouse. IV. Inner Retinal Changes. Experimental Eye Research, 2001, 72, 243-252.	2.6	12
140	Myosin 6 Is Required for Iris Development and Normal Function of the Outer Retina. , 2013, 54, 7223.		12
141	Interdependence Among Members of the mGluR6 G-protein Mediated Signalplex of Retinal Depolarizing Bipolar Cells. , 2014, , 67-79.		12
142	A Chemical Mutagenesis Screen Identifies Mouse Models with ERG Defects. Advances in Experimental Medicine and Biology, 2016, 854, 177-183.	1.6	12
143	Interocular transfer and dark adaptation to long-wave test lights. Vision Research, 1984, 24, 1043-1048.	1.4	11
144	Effects of heavy ions on visual function and electrophysiology of rodents: the ALTEA-MICE project. Advances in Space Research, 2004, 33, 1347-1351.	2.6	11

#	Article	IF	Citations
145	Presence of the Gpr179(nob5) allele in a C3H-derived transgenic mouse. Molecular Vision, 2013, 19, 2615-25.	1.1	11
146	Probing inner retinal circuits in the rod pathway: A comparison of c-fos activation in mutant mice. Visual Neuroscience, 2004, 21, 873-881.	1.0	10
147	An inducible Cre mouse for studying roles of the RPE in retinal physiology and disease. JCI Insight, 2021, 6, .	5.0	10
148	Membrane frizzled-related protein is necessary for the normal development and maintenance of photoreceptor outer segments. Visual Neuroscience, 2008, 25, 713-716.	1.0	9
149	Evidence of retinal degeneration in Wolfram syndrome. Ophthalmic Genetics, 2019, 40, 34-38.	1.2	9
150	Transient Receptor Potential Melastatin 1: A Hair Cell Transduction Channel Candidate. PLoS ONE, 2013, 8, e77213.	2.5	9
151	Ultrastructural Localization of GPR179 and the Impact of Mutant Forms on Retinal Function in CSNB1 Patients and a Mouse Model. , 2013, 54, 6973.		8
152	nob: A Mouse Model of CSNB1. , 2001, , 319-328.		8
153	Rod influence on thresholds using different detection criteria during dark adaptation. Acta Psychologica, 1987, 64, 261-270.	1.5	7
154	Loss of bipolar cells resulting from the expression of bcl-2 directed by the IRBP promoter. Experimental Eye Research, 2003, 77, 477-483.	2.6	7
155	Mutation Screen of the Cone-Specific Gene,CLUL1, in 376 Patients with Age-Related Macular Degeneration. Ophthalmic Genetics, 2006, 27, 151-155.	1.2	7
156	A mutagenesis-derived mouse mutant with abnormal retinal vasculature and low bone mineral density. Molecular Vision, 2017, 23, 140-148.	1.1	7
157	Interocular sensitization to a rod-detected test. Vision Research, 1986, 26, 1119-1127.	1.4	6
158	Response properties of slow PIII in the Large vls mutant. Documenta Ophthalmologica, 2012, 125, 203-209.	2.2	6
159	Glucose uptake by <scp>GLUT1</scp> in photoreceptors is essential for outer segment renewal and rod photoreceptor survival. FASEB Journal, 2022, 36, .	0.5	6
160	In vivo gene transfer as a means to study the physiology and morphogenesis of the retinal pigment epithelium in the rat. Methods, 2003, 30, 277-285.	3.8	5
161	Impact of MCT1 Haploinsufficiency on the Mouse Retina. Advances in Experimental Medicine and Biology, 2018, 1074, 375-380.	1.6	5
162	Use of Direct Current Electroretinography for Analysis of Retinal Pigment Epithelium Function in Mouse Models. Methods in Molecular Biology, 2018, 1753, 103-113.	0.9	5

#	Article	IF	Citations
163	Visual imaging as a predictor of neurodegeneration in experimental autoimmune demyelination and multiple sclerosis. Acta Neuropathologica Communications, 2022, 10, .	5.2	5
164	Electroretinograms remain normal in mice lacking a synapse associated protein. Neuroscience Letters, 2001, 298, 111-114.	2.1	4
165	A Splicing Mutation in Slc4a5 Results in Retinal Detachment and Retinal Pigment Epithelium Dysfunction. International Journal of Molecular Sciences, 2022, 23, 2220.	4.1	4
166	The effects of physostigmine on the response characteristics of the cat visual evoked potential. Documenta Ophthalmologica, 1993, 84, 257-265.	2.2	3
167	Bilateral Macular Lesions in a 10-year-old Girl. American Journal of Ophthalmology, 2007, 143, 184-185.	3.3	3
168	Branch retinal artery occlusion associated with compound heterozygous genotype for methylenetetrahydrofolate reductase. Documenta Ophthalmologica, 2007, 114, 163-168.	2.2	3
169	Evaluation of an Artificial Retina in Rodent Models of Photoreceptor Degeneration. , 2001, , 175-182.		3
170	Effect of tunicamycin on histological organization and Na, K-ATPase distribution in the adult cat retina. Neuroscience Letters, 1997, 226, 139-141.	2.1	2
171	Mutation screen of Î²-crystallin genes in 274 patients with age-related macular degeneration. Ophthalmic Genetics, 2010, 31, 129-134.	1.2	2
172	Electrophysiologic assessment of the mouse visual system. Documenta Ophthalmologica, 2007, 115, 125-125.	2.2	1
173	Norrin, Frizzled-4, and Lrp5 Signaling in Endothelial Cells Controls a Genetic Program for Retinal Vascularization. Cell, 2010, 141, 191.	28.9	1
174	The Vpp Mouse. , 1997, , 89-97.		1
175	Comparison of cone?mediated electroretinograms obtained before and after vincristine chemotherapy. Documenta Ophthalmologica, 1993, 84, 231-235.	2.2	0
176	Chapter 16 Experimental genetic disorders and visual neurophysiology. Handbook of Clinical Neurophysiology, 2005, , 329-346.	0.0	0
177	Electroretinogram (ERG). , 2003, , 110-113.		0
178	Intravitreal U75412E: A New Free Radical Scavenger. Ophthalmic Surgery Lasers and Imaging Retina, 1991, 22, 740-744.	0.7	0
179	Genetically-guided algorithm development and sample size optimization for age-related macular degeneration cases and controls in electronic health records from the VA Million Veteran Program. AMIA Summits on Translational Science Proceedings, 2019, 2019, 153-162.	0.4	0
180	Reduced expression of the gene does not normalize the distribution or function of mGluR6 in the mouse retina. Molecular Vision, 2019, 25, 890-901.	1.1	0