Vittorio Porciatti

List of Publications by Year
in descending order

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187	9,691	47006	48315
papers	citations	47 h-index	88 g-index

190	190	190	7098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BDNF Regulates the Maturation of Inhibition and the Critical Period of Plasticity in Mouse Visual Cortex. Cell, 1999, 98, 739-755.	28.9	1,072
2	Axons of retinal ganglion cells are insulted in the optic nerve early in DBA/2J glaucoma. Journal of Cell Biology, 2007, 179, 1523-1537.	5.2	523
3	Vitamin B ₃ modulates mitochondrial vulnerability and prevents glaucoma in aged mice. Science, 2017, 355, 756-760.	12.6	416
4	Morphological and Functional Abnormalities in the Inner Retina of the rd/rd Mouse. Journal of Neuroscience, 2002, 22, 5492-5504.	3.6	298
5	Requirement of the nicotinic acetylcholine receptor Â2 subunit for the anatomical and functional development of the visual system. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6453-6458.	7.1	225
6	Remodeling of second-order neurons in the retina of rd/rd mutant mice. Vision Research, 2003, 43, 867-877.	1.4	216
7	Disruption of retinoid-related orphan receptor Î² changes circadian behavior, causes retinal degeneration and leads to vacillans phenotype in mice. EMBO Journal, 1998, 17, 3867-3877.	7.8	207
8	Gene Therapy for Leber Hereditary Optic Neuropathy. Ophthalmology, 2016, 123, 558-570.	5.2	205
9	Radiation treatment inhibits monocyte entry into the optic nerve head and prevents neuronal damage in a mouse model of glaucoma. Journal of Clinical Investigation, 2012, 122, 1246-1261.	8.2	192
10	The visual physiology of the wild type mouse determined with pattern VEPs. Vision Research, 1999, 39, 3071-3081.	1.4	183
11	The ERG in response to alternating gratings in patients with diseases of the peripheral visual pathway. Investigative Ophthalmology and Visual Science, 1981, 21, 490-3.	3.3	179
12	Gene Therapy for Leber Hereditary Optic Neuropathy. Ophthalmology, 2017, 124, 1621-1634.	5.2	172
13	Gene delivery to mitochondria by targeting modified adenoassociated virus suppresses Leberâ€™s hereditary optic neuropathy in a mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1238-47.	7.1	153
14	Electrophysiological assessment of retinal ganglion cell function. Experimental Eye Research, 2015, 141, 164-170.	2.6	153
15	Lack of cortical contrast gain control in human photosensitive epilepsy. Nature Neuroscience, 2000, 3, 259-263.	14.8	138
16	Restoration of retinal ganglion cell function in early glaucoma after intraocular pressure reductionA pilot study. Ophthalmology, 2005, 112, 20-27.	5.2	136
17	The effects of ageing on the pattern electroretinogram and visual evoked potential in humans. Vision Research, 1992, 32, 1199-1209.	1.4	131
18	Pattern electroretinogram abnormality and glaucoma. Ophthalmology, 2005, 112, 10-19.	5.2	128

#	Article	IF	Citations
19	The Relationship between Retinal Ganglion Cell Function and Retinal Nerve Fiber Thickness in Early Glaucoma. , 2006, 47, 3904.		114
20	Normative data for a user-friendly paradigm for pattern electroretinogram recording. Ophthalmology, 2004, 111, 161-168.	5.2	111
21	Longitudinal Evaluation of Retinal Ganglion Cell Function and IOP in the DBA/2J Mouse Model of Glaucoma. , 2007, 48, 4564.		111
22	Retinal and cortical evoked responses to chromatic contrast stimuli. Brain, 1996, 119, 723-740.	7.6	107
23	Visual Ageing: Unspecific Decline of the Responses to Luminance and Colour. Vision Research, 1996, 36, 3557-3566.	1.4	104
24	Progressive Loss of Retinal Ganglion Cell Function Precedes Structural Loss by Several Years in Glaucoma Suspects. , 2013, 54, 2346.		103
25	Physiology of Human Photosensitivity. Epilepsia, 2004, 45, 7-13.	5.1	101
26	Nonselective Loss of Contrast Sensitivity in Visual System Testing in Early Type I Diabetes. Diabetes Care, 1992, 15, 620-625.	8.6	100
27	Pattern electroretinogram as a function of spatial frequency in ocular hypertension and early glaucoma. Documenta Ophthalmologica, 1987, 65, 349-355.	2.2	95
28	IOP-Dependent Retinal Ganglion Cell Dysfunction in Glaucomatous DBA/2J Mice. , 2007, 48, 4573.		95
29	The Pattern Electroretinogram as a Tool to Monitor Progressive Retinal Ganglion Cell Dysfunction in the DBA/2J Mouse Model of Glaucoma. , 2007, 48, 745.		94
30	The mouse pattern electroretinogram. Documenta Ophthalmologica, 2007, 115, 145-153.	2.2	94
31	Trial End Points and Natural History in Patients With G11778A Leber Hereditary Optic Neuropathy. JAMA Ophthalmology, 2014, 132, 428.	2.5	87
32	Safety and Effects of the Vector for the Leber Hereditary Optic Neuropathy Gene Therapy Clinical Trial. JAMA Ophthalmology, 2014, 132, 409.	2.5	83
33	Normative data for onset VEPs to red-green and blue-yellow chromatic contrast. Clinical Neurophysiology, 1999, 110, 772-781.	1.5	79
34	The visual response of retinal ganglion cells is not altered by optic nerve transection in transgenic mice overexpressing Bcl-2. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14955-14959.	7.1	79
35	Heterozygous Knock-Out Mice for Brain-Derived Neurotrophic Factor Show a Pathway-Specific Impairment of Long-Term Potentiation But Normal Critical Period for Monocular Deprivation. Journal of Neuroscience, 2002, 22, 10072-10077.	3.6	78
36	Efficiency and Safety of AAV-Mediated Gene Delivery of the Human ND4 Complex I Subunit in the Mouse Visual System. , 2009, 50, 4205.		76

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37	Changes in Pattern Electroretinograms to Equiluminant Red-Green and Blue-Yellow Gratings in Patients with Early Parkinsonâ€™s Disease. Journal of Clinical Neurophysiology, 2003, 20, 375-381.	1.7	70
38	Pattern electroretinogram in glaucoma. Current Opinion in Ophthalmology, 2006, 17, 196-202.	2.9	69
39	Scale for Photographic Grading of Vitreous Haze in Uveitis. American Journal of Ophthalmology, 2010, 150, 637-641.e1.	3.3	69
40	Leber Hereditary Optic Neuropathy Gene Therapy Clinical Trial Recruitment. JAMA Ophthalmology, 2010, 128, 1129.	2.4	68
41	Steady-state pattern electroretinogram in insulin-dependent diabetics with no or minimal retinopathy. Documenta Ophthalmologica, 1989, 73, 193-200.	2.2	65
42	Retinal Ganglion Cell Functional Plasticity and Optic Neuropathy. Journal of Neuro-Ophthalmology, 2012, 32, 354-358.	0.8	65
43	Robust Mouse Pattern Electroretinograms Derived Simultaneously From Each Eye Using a Common Snout Electrode. , 2014, 55, 2469.		62
44	Dysfunction of the magnocellular stream in Alzheimer's disease evaluated by pattern electroretinograms and visual evoked potentials. Brain Research Bulletin, 2010, 82, 169-176.	3.0	60
45	Effect of citicoline on visual acuity in amblyopia: preliminary results. Graefe's Archive for Clinical and Experimental Ophthalmology, 1995, 233, 307-312.	1.9	58
46	Evidence for Early Impairment of Macular Function With Pattern ERG in Type I Diabetic Patients. Diabetes Care, 1990, 13, 412-418.	8.6	57
47	Responses to chromatic and luminance contrast in glaucoma: a psychophysical and electrophysiological study. Vision Research, 1997, 37, 1975-1987.	1.4	55
48	Detection of Inner Retina Dysfunction by Steady-State Focal Electroretinogram Pattern and Flicker in Early IDDM. Diabetes, 1991, 40, 1122-1127.	0.6	54
49	Guidelines for basic pattern electroretinography. Documenta Ophthalmologica, 1995, 91, 291-298.	2.2	54
50	Presence and further development of retinal dysfunction after 3-year follow up in IDDM patients without angiographically documented vasculopathy. Diabetologia, 1994, 37, 911-916.	6.3	53
51	The effects of ageing on reaction times to motion onset. Vision Research, 1999, 39, 2157-2164.	1.4	53
52	LHON Gene Therapy Vector Prevents Visual Loss and Optic Neuropathy Induced by G11778A Mutant Mitochondrial DNA: Biodistribution and Toxicology Profile. Investigative Ophthalmology and Visual Science, 2014, 55, 7739-7753.	3.3	52
53	Habituation of Retinal Ganglion Cell Activity in Response to Steady State Pattern Visual Stimuli in Normal Subjects. , 2005, 46, 1296.		50
54	Retinal Ganglion Cell Dysfunction in Asymptomatic G11778A: Leber Hereditary Optic Neuropathy. , 2014, 55, 841.		49

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55	Spatial frequency-selective losses with pattern electroretinogram in Type 1 (insulin-dependent) diabetic patients without retinopathy. Diabetologia, 1990, 33, 726-730.	6.3	47
56	Reproducibility of Pattern Electroretinogram in Glaucoma Patients with a Range of Severity of Disease with the New Glaucoma Paradigm. Ophthalmology, 2008, 115, 957-963.	5.2	47
57	Induction of Rapid and Highly Efficient Expression of the Human ND4 Complex I Subunit in the Mouse Visual System by Self-complementary Adeno-Associated Virus. JAMA Ophthalmology, 2010, 128, 876.	2.4	46
58	Postnatal Elongation of Eye Size in DBA/2J Mice Compared with C57BL/6J Mice: In Vivo Analysis with Whole-Eye OCT. , 2011, 52, 3604.		46
59	Cytidine-5'-diphosphocholine improves visual acuity, contrast sensitivity and visually-evoked potentials of amblyopic subjects. Current Eye Research, 1998, 17, 141-148.	1.5	43
60	A Novel Mouse Model of Traumatic Optic Neuropathy Using External Ultrasound Energy to Achieve Focal, Indirect Optic Nerve Injury. Scientific Reports, 2017, 7, 11779.	3.3	42
61	Physiologic Significance of Steady-state Pattern Electroretinogram Losses in Glaucoma. Journal of Glaucoma, 2009, 18, 535-542.	1.6	41
62	Retrograde Signaling in the Optic Nerve Is Necessary for Electrical Responsiveness of Retinal Ganglion Cells. , 2013, 54, 1236.		41
63	Nicotinamide-Rich Diet in DBA/2J Mice Preserves Retinal Ganglion Cell Metabolic Function as Assessed by PERG Adaptation to Flicker. Nutrients, 2020, 12, 1910.	4.1	41
64	Chromatic pattern-reversal electroretinograms (ChPERGs) are spared in multiple system atrophy compared with Parkinsonâ€™s disease. Neurological Sciences, 2006, 26, 395-401.	1.9	40
65	Protection of retinal ganglion cells and preservation of function after optic nerve lesion in bcl-2 transgenic mice. Vision Research, 1998, 38, 1537-1543.	1.4	38
66	Head-down Posture Induces PERG Alterations in Early Glaucoma. Journal of Glaucoma, 2013, 22, 255-264.	1.6	38
67	The electroretinogram of the little owl (Athene noctua). Vision Research, 1989, 29, 1693-1698.	1.4	34
68	Head-up tilt lowers IOP and improves RGC dysfunction in glaucomatous DBA/2J mice. Experimental Eye Research, 2010, 90, 452-460.	2.6	34
69	Progressive Loss of Retinal Ganglion Cell Function Is Hindered with IOP-Lowering Treatment in Early Glaucoma. , 2012, 53, 659.		34
70	P2X7 receptor antagonism preserves retinal ganglion cells in glaucomatous mice. Biochemical Pharmacology, 2020, 180, 114199.	4.4	34
71	Electroretinographic changes in aged pigeons. Vision Research, 1991, 31, 661-668.	1.4	33
72	Pattern-reversal electroretinogram in response to chromatic stimuli: II Monkey. Visual Neuroscience, 1994, 11, 873-884.	1.0	33

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73	Cytidin-5â€²-diphosphocholine enhances the effect of part-time occlusion in amblyopia. Documenta Ophthalmologica, 1997, 93, 247-263.	2.2	32
74	Visual-Evoked Potentials to Onset of Chromatic Red-Green and Blue-Yellow Gratings in Parkinsonâ€™s Disease Never Treated With L-Dopa. Journal of Clinical Neurophysiology, 2006, 23, 431-436.	1.7	32
75	Morphological and functional changes in the retinotectal system of the pigeon during the early posthatching period. Journal of Comparative Neurology, 1987, 256, 400-411.	1.6	31
76	Adaptation of the Steady-state PERG in Early Glaucoma. Journal of Glaucoma, 2014, 23, 494-500.	1.6	31
77	Consequences of zygote injection and germline transfer of mutant human mitochondrial DNA in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5689-98.	7.1	31
78	The pattern electroretinogram by skin electrodes: Effect of spatial frequency and age. Documenta Ophthalmologica, 1988, 70, 117-122.	2.2	30
79	Equiluminant Redâ€“Green and Blueâ€“Yellow VEPs in Multiple Sclerosis. Journal of Clinical Neurophysiology, 2001, 18, 583-591.	1.7	30
80	Pattern Electroretinogram Progression in Glaucoma Suspects. Journal of Glaucoma, 2013, 22, 219-225.	1.6	30
81	C57BL/6J, DBA/2J, and DBA/2J.Gpnmb mice have different visual signal processing in the inner retina. Molecular Vision, 2010, 16, 2939-47.	1.1	30
82	Mutant NADH dehydrogenase subunit 4 gene delivery to mitochondria by targeting sequence-modified adeno-associated virus induces visual loss and optic atrophy in mice. Molecular Vision, 2012, 18, 1668-83.	1.1	30
83	Pattern-reversal electroretinogram in response to chromatic stimuli: I Humans. Visual Neuroscience, 1994, 11, 861-871.	1.0	29
84	Pigeon pattern electroretinogram: A response unaffected by chronic section of the optic nerve. Experimental Brain Research, 1984, 55, 253-62.	1.5	28
85	Developing pigeon retina: Light-evoked responses and ultrastructure of outer segments and synapses. Journal of Comparative Neurology, 1985, 235, 384-394.	1.6	28
86	Temporal Aspects of Contrast Visual Evoked Potentials in the Pigmented Rat: Effect of Dark Rearing. Vision Research, 1997, 37, 389-395.	1.4	28
87	NADH-dehydrogenase Type-2 Suppresses Irreversible Visual Loss and Neurodegeneration in the EAE Animal Model of MS. Molecular Therapy, 2013, 21, 1876-1888.	8.2	28
88	Macular dysfunction in multiple sclerosis revealed by steady-state flicker and pattern ERGs. Electroencephalography and Clinical Neurophysiology, 1992, 82, 53-59.	0.3	25
89	Binocularity in the Little Owl, Athene noctua. Brain, Behavior and Evolution, 1990, 35, 31-39.	1.7	24
90	Correspondence. Neuroscience, 1997, 80, 307-311.	2.3	24

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91	Reversible dysfunction of retinal ganglion cells in non-secreting pituitary tumors. Documenta Ophthalmologica, 2009, 118, 155-62.	2.2	23
92	Postreceptoral contribution to macular dysfunction in retinitis pigmentosa. Investigative Ophthalmology and Visual Science, 1994, 35, 4282-90.	3.3	23
93	Evaluation of a Transgenic Mouse Model of Multiple Sclerosis with Noninvasive Methods. , 2011, 52, 2405.		22
94	Non-linearities in the focal ERG evoked by pattern and uniform-field stimulation. Their variation in retinal and optic nerve dysfunction. Investigative Ophthalmology and Visual Science, 1987, 28, 1306-13.	3.3	22
95	Macular electroretinogram as a function of age of subjects. Documenta Ophthalmologica, 1988, 70, 37-43.	2.2	21
96	Gene Therapy With Mitochondrial Heat Shock Protein 70 Suppresses Visual Loss and Optic Atrophy in Experimental Autoimmune Encephalomyelitis. , 2014, 55, 5214.		21
97	Early selective neuroretinal disorder in prepubertal type 1 (insulin-dependent) diabetic children without microvascular abnormalities. Acta Diabetologica, 1994, 31, 98-102.	2.5	20
98	Leber Hereditary Optic Neuropathy Gene Therapy: Adverse Events and Visual Acuity Results of All Patient Groups. American Journal of Ophthalmology, 2022, 241, 262-271.	3.3	20
99	Development of personal computer software for a visual electrophysiology laboratory. Computer Methods and Programs in Biomedicine, 1989, 28, 45-50.	4.7	19
100	Wulst Efferents in the Little Owl <i>Athene noctua</i>:An Investigation of Projections to the Optic Tectum. Brain, Behavior and Evolution, 1992, 39, 101-115.	1.7	19
101	Transgenic Mice Expressing Mutated Tyr437His Human Myocilin Develop Progressive Loss of Retinal Ganglion Cell Electrical Responsiveness and Axonopathy With Normal IOP. , 2014, 55, 5602.		19
102	Temporal and spatial properties of the pattern-reversal VEPs in infants below 2 months of age. Human Neurobiology, 1984, 3, 97-102.	0.6	19
103	The temporal frequency response function of pattern ERG and VEP: changes in optic neuritis. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 428-435.	2.0	18
104	Vision in mice with neuronal redundancy due to inhibition of developmental cell death. Visual Neuroscience, 1999, 16, 721-726.	1.0	18
105	Role of neurotrophins in the development and plasticity of the visual system: experiments on dark rearing. International Journal of Psychophysiology, 2000, 35, 189-196.	1.0	18
106	Protection of Pattern Electroretinogram and Retinal Ganglion Cells by Oncostatin M after Optic Nerve Injury. PLoS ONE, 2014, 9, e108524.	2.5	18
107	The spatial tuning of steady state pattern electroretinogram in multipie sclerosis. European Journal of Neurology, 1999, 6, 151-162.	3.3	17
108	Adaptive changes of inner retina function in response to sustained pattern stimulation. Vision Research, 2009, 49, 505-513.	1.4	17

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109	Head-down Posture in Glaucoma Suspects Induces Changes in IOP, Systemic Pressure, and PERG That Predict Future Loss of Optic Nerve Tissue. Journal of Glaucoma, 2017, 26, 459-465.	1.6	17
110	Anesthetic Preconditioning as Endogenous Neuroprotection in Glaucoma. International Journal of Molecular Sciences, 2018, 19, 237.	4.1	17
111	1Î±,25-dihydroxyvitamin D3 protects retinal ganglion cells in glaucomatous mice. Journal of Neuroinflammation, 2021, 18, 206.	7.2	17
112	Pattern Electroretinograms and Visual Evoked Potentials in Idiopathic Intracranial Hypertension. Ophthalmologica, 1992, 205, 194-203.	1.9	16
113	The Bioelectric Field of the Pattern Electroretinogram in the Mouse. , 2012, 53, 8086.		16
114	Pannexin 1 sustains the electrophysiological responsiveness of retinal ganglion cells. Scientific Reports, 2018, 8, 5797.	3.3	16
115	Retinal and tectal responses to alternating gratings are unaffected by monocular deprivation in pigeons. Brain Research, 1985, 338, 341-345.	2.2	15
116	Pharmacological dissociation of the b-wave and pattern electroretinogram. Documenta Ophthalmologica, 1987, 65, 377-383.	2.2	15
117	Next Generation PERG Method: Expanding the Response Dynamic Range and Capturing Response Adaptation. Translational Vision Science and Technology, 2017, 6, 5.	2.2	15
118	The PERG in Diabetic Glaucoma Suspects With No Evidence of Retinopathy. Journal of Glaucoma, 2010, 19, 243-247.	1.6	15
119	Transplant of Schwann Cells Allows Normal Development of the Visual Cortex of Dark-reared Rats. European Journal of Neuroscience, 1997, 9, 102-112.	2.6	14
120	Noninvasive Assessments of Optic Nerve Neurodegeneration in Transgenic Mice With Isolated Optic Neuritis. , 2013, 54, 4440.		14
121	A New Mouse Model of Inducible, Chronic Retinal Ganglion Cell Dysfunction Not Associated with Cell Death. , 2013, 54, 1898.		14
122	Complex I Subunit Gene Therapy With NDUFA6 Ameliorates Neurodegeneration in EAE. Investigative Ophthalmology and Visual Science, 2015, 56, 1129-1140.	3.3	14
123	Detection of inner retina dysfunction by steady-state focal electroretinogram pattern and flicker in early IDDM. Diabetes, 1991, 40, 1122-1127.	0.6	14
124	Binocularity in the Little Owl, <i>Athene noctua</i>. Brain, Behavior and Evolution, 1990, 35, 40-48.	1.7	13
125	Electrophysiology of the postreceptoral visual pathway in mice. Documenta Ophthalmologica, 2002, 104, 69-82.	2.2	13
126	Deimination restores inner retinal visual function in murine demyelinating disease. Journal of Clinical Investigation, 2013, 123, 646-56.	8.2	13

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127	Relationship Between Transient and Steady-State Pattern Electroretinograms: Theoretical and Experimental Assessment. Investigative Ophthalmology and Visual Science, 2014, 55, 8560-8570.	3.3	13
128	The second harmonic of the electroretinogram to sinusoidal flicker: Spatiotemporal properties and clinical application. Documenta Ophthalmologica, 1993, 84, 39-46.	2.2	12
129	Macular flicker electroretinograms in best vitelliform dystrophy. Current Eye Research, 1996, 15, 638-646.	1.5	12
130	Binocular interaction and steady-state visual evoked potentials. Graefe's Archive for Clinical and Experimental Ophthalmology, 1988, 226, 401-406.	1.9	11
131	Serotonin depletion modifies the pigeon electroretinogram. Documenta Ophthalmologica, 1989, 72, 93-100.	2.2	11
132	Long-term PERG monitoring of untreated and treated glaucoma suspects. Documenta Ophthalmologica, 2020, 141, 149-156.	2.2	11
133	The pattern electroretinogram (PERG) after laser treatment of the peripheral or central retina. Current Eye Research, 1997, 16, 111-115.	1.5	10
134	Losses of hemifield contrast sensitivity in patients with pituitary adenoma and normal visual acuity and visual field. Clinical Neurophysiology, 1999, 110, 876-886.	1.5	10
135	Neurovascular Changes Associated With the Water Drinking Test. Journal of Glaucoma, 2018, 27, 429-432.	1.6	10
136	Longterm Reversal of Severe Visual Loss by Mitochondrial Gene Transfer in a Mouse Model of Leber Hereditary Optic Neuropathy. Scientific Reports, 2018, 8, 5587.	3.3	10
137	Adaptation of retinal ganglion cell function during flickering light in the mouse. Scientific Reports, 2019, 9, 18396.	3.3	10
138	Diabetes Exacerbates the Intraocular Pressure-Independent Retinal Ganglion Cells Degeneration in the DBA/2J Model of Glaucoma. , 2021, 62, 9.		10
139	The pigeon pattern electroretinogram is not affected by massive loss of cell bodies in the ganglion layer induced by chronic section of the optic nerve. Documenta Ophthalmologica, 1985, 61, 41-47.	2.2	9
140	Interaction between photoreceptors and pigment epithelium in developing pigeon retina: an electrophysiological and ultrastructural study. Documenta Ophthalmologica, 1985, 60, 413-419.	2.2	9
141	Spatial-temporal interactions in the steady-state pattern electroretinogram. Documenta Ophthalmologica, 1995, 90, 169-176.	2.2	9
142	Chapter 43 Recent advances in clinical neurophysiology of vision. Supplements To Clinical Neurophysiology, 2000, 53, 312-322.	2.1	9
143	Modeling Retinal Ganglion Cell Dysfunction in Optic Neuropathies. Cells, 2021, 10, 1398.	4.1	9
144	Gene therapy restores mitochondrial function and protects retinal ganglion cells in optic neuropathy induced by a mito-targeted mutant ND1 gene. Gene Therapy, 2022, 29, 368-378.	4.5	9

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145	Life-Span Changes in the Visual Acuity and Retina in Birds. , 1991, , 137-148.		8
146	Binocular interactions and steady-state VEPs. A study in normal and defective binocular vision (Part) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	8
147	â€˜Gammaâ€™ band oscillatory response to chromatic stimuli in volunteers and patients with idiopathic Parkinsonâ€™s disease. Vision Research, 2009, 49, 726-734.	1.4	8
148	Integrative properties of retinal ganglion cell electrical responsiveness depend on neurotrophic support and genotype in the mouse. Experimental Eye Research, 2016, 145, 68-74.	2.6	8
149	Spatial-frequency-dependent changes in the human pattern electroretinogram after acute acetyl-l-carnitine administration. Graefe's Archive for Clinical and Experimental Ophthalmology, 1991, 229, 262-266.	1.9	7
150	Macular electroretinograms to flicker and pattern stimulation in lamellar macular holes. Documenta Ophthalmologica, 1992, 79, 99-108.	2.2	7
151	The first and second harmonics of the macular flicker electroretinogram: Differential effects of retinal diseases. Documenta Ophthalmologica, 1995, 90, 157-167.	2.2	7
152	Retinal ganglion cell function in recovered optic neuritis: Faster is not better. Clinical Neurophysiology, 2018, 129, 1813-1818.	1.5	7
153	Evoked responses to sinusoidal gratings in the pigeon optic tectum. Visual Neuroscience, 1989, 2, 137-145.	1.0	6
154	The human focal electroretinogram as a function of stimulus area. Documenta Ophthalmologica, 1990, 75, 41-48.	2.2	6
155	High-Throughput Binocular Pattern Electroretinograms in the Mouse. Methods in Molecular Biology, 2018, 1695, 63-68.	0.9	6
156	The Relationship Between Stage of Leber's Hereditary Optic Neuropathy and Pattern Electroretinogram Latency. Translational Vision Science and Technology, 2022, 11, 31.	2.2	6
157	Pattern electroretinogram as a function of spatial frequency after retrobulbar optic neuritis. Documenta Ophthalmologica, 1992, 79, 325-336.	2.2	5
158	The Role of Deimination in Regenerative Reprogramming of Neurons. Molecular Neurobiology, 2019, 56, 2618-2639.	4.0	5
159	The temporal frequency response function of pattern ERG and VEP: changes in optic neuritis. Electroencephalography and Clinical Neurophysiology, 1996, 100, 428-35.	0.3	5
160	Using Noninvasive Electrophysiology to Determine Time Windows of Neuroprotection in Optic Neuropathies. International Journal of Molecular Sciences, 2022, 23, 5751.	4.1	5
161	The pattern electroretinogram in response to colour contrast in man and monkey. International Journal of Psychophysiology, 1994, 16, 185-189.	1.0	4
162	Cysteamine-induced depletion of somatostatinergic systems alters potentials evoked from the rat visual cortex. Visual Neuroscience, 1996, 13, 327-334.	1.0	4

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163	Steady-state PERG adaptation: a conspicuous component of response variability with clinical significance. Documenta Ophthalmologica, 2018, 136, 157-164.	2.2	4
164	Longitudinal Study of Retinal Structure, Vascular, and Neuronal Function in Patients With Relapsing-Remitting Multiple Sclerosis: 1-Year Follow-Up. Translational Vision Science and Technology, 2021, 10, 6.	2.2	4
165	Simultaneous macular and paramacular ERGs recorded by standard techniques. Documenta Ophthalmologica, 1987, 65, 343-348.	2.2	3
166	Simultaneously recorded macular and paramacular ERGs in diseases affecting the central retina. Documenta Ophthalmologica, 1988, 68, 273-282.	2.2	3
167	Adaptable retinal ganglion cell function: assessing autoregulation of inner retina pathways. Neural Regeneration Research, 2020, 15, 2237.	3.0	3
168	p-Chloroamphetamine treatment modifies evoked responses to sinusoidal gratings in the pigeon optic tectum. Visual Neuroscience, 1989, 2, 147-152.	1.0	2
169	Simultaneous foveal and parafoveal electroretinograms in hereditary degeneration of the central retina. Documenta Ophthalmologica, 1989, 71, 435-443.	2.2	2
170	Electrophysiological testing in glaucoma. Expert Review of Ophthalmology, 2007, 2, 747-754.	0.6	2
171	Small animal ocular biometry using optical coherence tomography. Proceedings of SPIE, 2010, , .	0.8	2
172	The PERG as a Tool for Early Detection and Monitoring of Glaucoma. Current Ophthalmology Reports, 2017, 5, 7-13.	1.2	2
173	Retinal and cortical visual acuity in a common inbred albino mouse. PLoS ONE, 2021, 16, e0242394.	2.5	2
174	Retinal microvascular and neuronal function in patients with multiple sclerosis: 2-year follow-up. Multiple Sclerosis and Related Disorders, 2021, 56, 103314.	2.0	2
175	Retinal ganglion cell anatomy and physiology after section of the optic nerve in mice overexpressing bcl-2. Advances in Neurology, 1997, 72, 87-94.	0.8	2
176	Pattern electroretinograms (PERGS) inÂresponse toÂequiluminant redâ€“green andÂblueâ€“yellow gratings asÂdiagnostic tool toÂinvestigate retinal ganglion cell subsystem involvement. Biomedicine and Pharmacotherapy, 2006, 60, 476.	5.6	1
177	Non-invasive Assessment of Central Retinal Artery Pressure: Age and Posture-dependent Changes. Current Eye Research, 2021, 46, 135-139.	1.5	1
178	Spatio-Temporal Properties of the Pattern ERG and VEP: Effect of Ageing. , 1991, , 209-217.		1
179	Selective loss and recovery of visual function subserved by P- and M- pathway in pituitary adenomas. Electroencephalography and Clinical Neurophysiology, 1997, 103, 188.	0.3	1
180	Presence and further development of retinal dysfunction after 3-year follow up in IDDM patients without angiographically documented vasculopathy. Diabetologia, 1994, 37, 911-916.	6.3	1

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