

# Vittorio Porciatti

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183 papers	7,939 citations	46 h-index	84 g-index
190 ext. papers	8,836 ext. citations	4.8 avg, IF	5.82 L-index

#	Paper	IF	Citations
183	BDNF regulates the maturation of inhibition and the critical period of plasticity in mouse visual cortex. <i>Cell</i> , <b>1999</b> , 98, 739-55	56.2	940
182	Axons of retinal ganglion cells are insulted in the optic nerve early in DBA/2J glaucoma. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 1523-37	7.3	429
181	Vitamin B modulates mitochondrial vulnerability and prevents glaucoma in aged mice. <i>Science</i> , <b>2017</b> , 355, 756-760	33.3	259
180	Morphological and functional abnormalities in the inner retina of the rd/rd mouse. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 5492-504	6.6	252
179	Requirement of the nicotinic acetylcholine receptor beta 2 subunit for the anatomical and functional development of the visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 6453-8	11.5	202
178	Remodeling of second-order neurons in the retina of rd/rd mutant mice. <i>Vision Research</i> , <b>2003</b> , 43, 867-77	7.1	177
177	The ERG in response to alternating gratings in patients with diseases of the peripheral visual pathway. <i>Investigative Ophthalmology and Visual Science</i> , <b>1981</b> , 21, 490-3		170
176	Disruption of retinoid-related orphan receptor beta changes circadian behavior, causes retinal degeneration and leads to vacillans phenotype in mice. <i>EMBO Journal</i> , <b>1998</b> , 17, 3867-77	13	169
175	The visual physiology of the wild type mouse determined with pattern VEPs. <i>Vision Research</i> , <b>1999</b> , 39, 3071-81	2.1	166
174	Gene Therapy for Leber Hereditary Optic Neuropathy: Initial Results. <i>Ophthalmology</i> , <b>2016</b> , 123, 558-70	7.3	156
173	Radiation treatment inhibits monocyte entry into the optic nerve head and prevents neuronal damage in a mouse model of glaucoma. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 1246-61	15.9	153
172	Gene Therapy for Leber Hereditary Optic Neuropathy: Low- and Medium-Dose Visual Results. <i>Ophthalmology</i> , <b>2017</b> , 124, 1621-1634	7.3	127
171	The effects of aging on the pattern electroretinogram and visual evoked potential in humans. <i>Vision Research</i> , <b>1992</b> , 32, 1199-209	2.1	120
170	Gene delivery to mitochondria by targeting modified adenoassociated virus suppresses Leber's hereditary optic neuropathy in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E1238-47	11.5	115
169	Restoration of retinal ganglion cell function in early glaucoma after intraocular pressure reduction: a pilot study. <i>Ophthalmology</i> , <b>2005</b> , 112, 20-7	7.3	115
168	Lack of cortical contrast gain control in human photosensitive epilepsy. <i>Nature Neuroscience</i> , <b>2000</b> , 3, 259-63	25.5	114
167	Electrophysiological assessment of retinal ganglion cell function. <i>Experimental Eye Research</i> , <b>2015</b> , 141, 164-70	3.7	107

166	Pattern electroretinogram abnormality and glaucoma. <i>Ophthalmology</i> , <b>2005</b> , 112, 10-9	7.3	107
165	The relationship between retinal ganglion cell function and retinal nerve fiber thickness in early glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 3904-11		100
164	Longitudinal evaluation of retinal ganglion cell function and IOP in the DBA/2J mouse model of glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4564-72		96
163	Normative data for a user-friendly paradigm for pattern electroretinogram recording. <i>Ophthalmology</i> , <b>2004</b> , 111, 161-8	7.3	94
162	Retinal and cortical evoked responses to chromatic contrast stimuli. Specific losses in both eyes of patients with multiple sclerosis and unilateral optic neuritis. <i>Brain</i> , <b>1996</b> , 119 ( Pt 3), 723-40	11.2	92
161	Nonselective loss of contrast sensitivity in visual system testing in early type I diabetes. <i>Diabetes Care</i> , <b>1992</b> , 15, 620-5	14.6	91
160	Visual ageing: unspecific decline of the responses to luminance and colour. <i>Vision Research</i> , <b>1996</b> , 36, 3557-66	2.1	89
159	Pattern electroretinogram as a function of spatial frequency in ocular hypertension and early glaucoma. <i>Documenta Ophthalmologica</i> , <b>1987</b> , 65, 349-55	2.2	83
158	IOP-dependent retinal ganglion cell dysfunction in glaucomatous DBA/2J mice. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4573-9		82
157	The pattern electroretinogram as a tool to monitor progressive retinal ganglion cell dysfunction in the DBA/2J mouse model of glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 745-51		79
156	Progressive loss of retinal ganglion cell function precedes structural loss by several years in glaucoma suspects <b>2013</b> , 54, 2346-52		78
155	Efficiency and safety of AAV-mediated gene delivery of the human ND4 complex I subunit in the mouse visual system <b>2009</b> , 50, 4205-14		73
154	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. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 10072-7	6.6	73
153	Normative data for onset VEPs to red-green and blue-yellow chromatic contrast. <i>Clinical Neurophysiology</i> , <b>1999</b> , 110, 772-81	4.3	72
152	The mouse pattern electroretinogram. <i>Documenta Ophthalmologica</i> , <b>2007</b> , 115, 145-53	2.2	69
151	Trial end points and natural history in patients with G11778A Leber hereditary optic neuropathy : preparation for gene therapy clinical trial. <i>JAMA Ophthalmology</i> , <b>2014</b> , 132, 428-36	3.9	68
150	The visual response of retinal ganglion cells is not altered by optic nerve transection in transgenic mice overexpressing Bcl-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 14955-9	11.5	68
149	Safety and effects of the vector for the Leber hereditary optic neuropathy gene therapy clinical trial. <i>JAMA Ophthalmology</i> , <b>2014</b> , 132, 409-20	3.9	65

148	Changes in pattern electroretinograms to equiluminant red-green and blue-yellow gratings in patients with early Parkinson's disease. <i>Journal of Clinical Neurophysiology</i> , <b>2003</b> , 20, 375-81	2.2	61
147	Physiology of human photosensitivity. <i>Epilepsia</i> , <b>2004</b> , 45 Suppl 1, 7-13	6.4	57
146	Leber hereditary optic neuropathy gene therapy clinical trial recruitment: year 1. <i>JAMA Ophthalmology</i> , <b>2010</b> , 128, 1129-35		56
145	Pattern electroretinogram in glaucoma. <i>Current Opinion in Ophthalmology</i> , <b>2006</b> , 17, 196-202	5.1	56
144	Scale for photographic grading of vitreous haze in uveitis. <i>American Journal of Ophthalmology</i> , <b>2010</b> , 150, 637-641.e1	4.9	55
143	Steady-state pattern electroretinogram in insulin-dependent diabetics with no or minimal retinopathy. <i>Documenta Ophthalmologica</i> , <b>1989</b> , 73, 193-200	2.2	54
142	Evidence for early impairment of macular function with pattern ERG in type I diabetic patients. <i>Diabetes Care</i> , <b>1990</b> , 13, 412-8	14.6	54
141	Effect of citicoline on visual acuity in amblyopia: preliminary results. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , <b>1995</b> , 233, 307-12	3.8	52
140	Detection of inner retina dysfunction by steady-state focal electroretinogram pattern and flicker in early IDDM. <i>Diabetes</i> , <b>1991</b> , 40, 1122-7	0.9	51
139	Retinal ganglion cell functional plasticity and optic neuropathy: a comprehensive model. <i>Journal of Neuro-Ophthalmology</i> , <b>2012</b> , 32, 354-8	2.6	50
138	Dysfunction of the magnocellular stream in Alzheimer's disease evaluated by pattern electroretinograms and visual evoked potentials. <i>Brain Research Bulletin</i> , <b>2010</b> , 82, 169-76	3.9	48
137	Responses to chromatic and luminance contrast in glaucoma: a psychophysical and electrophysiological study. <i>Vision Research</i> , <b>1997</b> , 37, 1975-87	2.1	46
136	Habituation of retinal ganglion cell activity in response to steady state pattern visual stimuli in normal subjects. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 1296-302		46
135	Presence and further development of retinal dysfunction after 3-year follow up in IDDM patients without angiographically documented vasculopathy. <i>Diabetologia</i> , <b>1994</b> , 37, 911-6	10.3	46
134	Spatial frequency-selective losses with pattern electroretinogram in type 1 (insulin-dependent) diabetic patients without retinopathy. <i>Diabetologia</i> , <b>1990</b> , 33, 726-30	10.3	45
133	Guidelines for basic pattern electroretinography. Recommendations by the International Society for Clinical Electrophysiology of Vision. <i>Documenta Ophthalmologica</i> , <b>1995</b> , 91, 291-8	2.2	44
132	Robust mouse pattern electroretinograms derived simultaneously from each eye using a common snout electrode <b>2014</b> , 55, 2469-75		43
131	The effects of ageing on reaction times to motion onset. <i>Vision Research</i> , <b>1999</b> , 39, 2157-64	2.1	43

130	Postnatal elongation of eye size in DBA/2J mice compared with C57BL/6J mice: in vivo analysis with whole-eye OCT <b>2011</b> , 52, 3604-12		41
129	Reproducibility of pattern electroretinogram in glaucoma patients with a range of severity of disease with the new glaucoma paradigm. <i>Ophthalmology</i> , <b>2008</b> , 115, 957-63	7.3	41
128	Retinal ganglion cell dysfunction in asymptomatic G11778A: Leber hereditary optic neuropathy <b>2014</b> , 55, 841-8		37
127	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. <i>JAMA Ophthalmology</i> , <b>2010</b> , 128, 876-83		37
126	Protection of retinal ganglion cells and preservation of function after optic nerve lesion in bcl-2 transgenic mice. <i>Vision Research</i> , <b>1998</b> , 38, 1537-43	2.1	37
125	Cytidine-5'diphosphocholine improves visual acuity, contrast sensitivity and visually-evoked potentials of amblyopic subjects. <i>Current Eye Research</i> , <b>1998</b> , 17, 141-8	2.9	37
124	LHON gene therapy vector prevents visual loss and optic neuropathy induced by G11778A mutant mitochondrial DNA: biodistribution and toxicology profile. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 7739-53		35
123	Chromatic pattern-reversal electroretinograms (ChPERGs) are spared in multiple system atrophy compared with Parkinson's disease. <i>Neurological Sciences</i> , <b>2006</b> , 26, 395-401	3.5	32
122	Head-down posture induces PERG alterations in early glaucoma. <i>Journal of Glaucoma</i> , <b>2013</b> , 22, 255-64	2.1	31
121	Head-up tilt lowers IOP and improves RGC dysfunction in glaucomatous DBA/2J mice. <i>Experimental Eye Research</i> , <b>2010</b> , 90, 452-60	3.7	31
120	Physiologic significance of steady-state pattern electroretinogram losses in glaucoma: clues from simulation of abnormalities in normal subjects. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 535-42	2.1	31
119	A Novel Mouse Model of Traumatic Optic Neuropathy Using External Ultrasound Energy to Achieve Focal, Indirect Optic Nerve Injury. <i>Scientific Reports</i> , <b>2017</b> , 7, 11779	4.9	30
118	Retrograde signaling in the optic nerve is necessary for electrical responsiveness of retinal ganglion cells <b>2013</b> , 54, 1236-43		30
117	Electroretinographic changes in aged pigeons. <i>Vision Research</i> , <b>1991</b> , 31, 661-8	2.1	29
116	The pattern electroretinogram by skin electrodes: effect of spatial frequency and age. <i>Documenta Ophthalmologica</i> , <b>1988</b> , 70, 117-22	2.2	29
115	The electroretinogram of the little owl ( <i>Athene noctua</i> ). <i>Vision Research</i> , <b>1989</b> , 29, 1693-8	2.1	27
114	Morphological and functional changes in the retinotectal system of the pigeon during the early posthatching period. <i>Journal of Comparative Neurology</i> , <b>1987</b> , 256, 400-11	3.4	27
113	Pigeon pattern electroretinogram: a response unaffected by chronic section of the optic nerve. <i>Experimental Brain Research</i> , <b>1984</b> , 55, 253-62	2.3	27

112	C57BL/6J, DBA/2J, and DBA/2J.Gpnm mice have different visual signal processing in the inner retina. <i>Molecular Vision</i> , <b>2010</b> , 16, 2939-47	2.3	27
111	Adaptation of the steady-state PERG in early glaucoma. <i>Journal of Glaucoma</i> , <b>2014</b> , 23, 494-500	2.1	26
110	Temporal aspects of contrast visual evoked potentials in the pigmented rat: effect of dark rearing. <i>Vision Research</i> , <b>1997</b> , 37, 389-95	2.1	26
109	Cytidin-5'diphosphocholine enhances the effect of part-time occlusion in amblyopia. <i>Documenta Ophthalmologica</i> , <b>1996</b> , 93, 247-63	2.2	26
108	Pattern-reversal electroretinogram in response to chromatic stimuli: I. Humans. <i>Visual Neuroscience</i> , <b>1994</b> , 11, 861-71	1.7	26
107	Developing pigeon retina: light-evoked responses and ultrastructure of outer segments and synapses. <i>Journal of Comparative Neurology</i> , <b>1985</b> , 235, 384-94	3.4	26
106	Progressive loss of retinal ganglion cell function is hindered with IOP-lowering treatment in early glaucoma <b>2012</b> , 53, 659-63		25
105	Pattern-reversal electroretinogram in response to chromatic stimuli: II. Monkey. <i>Visual Neuroscience</i> , <b>1994</b> , 11, 873-84	1.7	25
104	Mutant NADH dehydrogenase subunit 4 gene delivery to mitochondria by targeting sequence-modified adeno-associated virus induces visual loss and optic atrophy in mice. <i>Molecular Vision</i> , <b>2012</b> , 18, 1668-83	2.3	25
103	Nicotinamide-Rich Diet in DBA/2J Mice Preserves Retinal Ganglion Cell Metabolic Function as Assessed by PERG Adaptation to Flicker. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	24
102	Equiluminant red-green and blue-yellow VEPs in multiple sclerosis. <i>Journal of Clinical Neurophysiology</i> , <b>2001</b> , 18, 583-91	2.2	24
101	Consequences of zygote injection and germline transfer of mutant human mitochondrial DNA in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E5689-98	11.5	23
100	Transplant of polymer-encapsulated cells genetically engineered to release nerve growth factor allows a normal functional development of the visual cortex in dark-reared rats. <i>Neuroscience</i> , <b>1997</b> , 80, 307-11	3.9	23
99	Visual-evoked potentials to onset of chromatic red-green and blue-yellow gratings in Parkinson's disease never treated with L-dopa. <i>Journal of Clinical Neurophysiology</i> , <b>2006</b> , 23, 431-5	2.2	23
98	Binocularity in the little owl, <i>Athene noctua</i> . I. Anatomical investigation of the thalamo-Wulst pathway. <i>Brain, Behavior and Evolution</i> , <b>1990</b> , 35, 31-9	1.5	23
97	Postreceptor contribution to macular dysfunction in retinitis pigmentosa. <i>Investigative Ophthalmology and Visual Science</i> , <b>1994</b> , 35, 4282-90		23
96	P2X7 receptor antagonism preserves retinal ganglion cells in glaucomatous mice. <i>Biochemical Pharmacology</i> , <b>2020</b> , 180, 114199	6	22
95	NADH-dehydrogenase type-2 suppresses irreversible visual loss and neurodegeneration in the EAE animal model of MS. <i>Molecular Therapy</i> , <b>2013</b> , 21, 1876-88	11.7	22

94	Pattern electroretinogram progression in glaucoma suspects. <i>Journal of Glaucoma</i> , <b>2013</b> , 22, 219-25	2.1	22
93	Non-linearities in the focal ERG evoked by pattern and uniform-field stimulation. Their variation in retinal and optic nerve dysfunction. <i>Investigative Ophthalmology and Visual Science</i> , <b>1987</b> , 28, 1306-13		22
92	Reversible dysfunction of retinal ganglion cells in non-secreting pituitary tumors. <i>Documenta Ophthalmologica</i> , <b>2009</b> , 118, 155-62	2.2	21
91	Early selective neuroretinal disorder in prepubertal type 1 (insulin-dependent) diabetic children without microvascular abnormalities. <i>Acta Diabetologica</i> , <b>1994</b> , 31, 98-102	3.9	20
90	Macular dysfunction in multiple sclerosis revealed by steady-state flicker and pattern ERGs. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1992</b> , 82, 53-9		20
89	Macular electroretinogram as a function of age of subjects. <i>Documenta Ophthalmologica</i> , <b>1988</b> , 70, 37-43.	2	20
88	Evaluation of a transgenic mouse model of multiple sclerosis with noninvasive methods <b>2011</b> , 52, 2405-11		19
87	Temporal and spatial properties of the pattern-reversal VEPs in infants below 2 months of age. <i>Human Neurobiology</i> , <b>1984</b> , 3, 97-102		19
86	Role of neurotrophins in the development and plasticity of the visual system: experiments on dark rearing. <i>International Journal of Psychophysiology</i> , <b>2000</b> , 35, 189-96	2.9	18
85	Vision in mice with neuronal redundancy due to inhibition of developmental cell death. <i>Visual Neuroscience</i> , <b>1999</b> , 16, 721-6	1.7	16
84	Wulst efferents in the little owl <i>Athene noctua</i> : an investigation of projections to the optic tectum. <i>Brain, Behavior and Evolution</i> , <b>1992</b> , 39, 101-15	1.5	16
83	Development of personal computer software for a visual electrophysiology laboratory. <i>Computer Methods and Programs in Biomedicine</i> , <b>1989</b> , 28, 45-50	6.9	16
82	Adaptive changes of inner retina function in response to sustained pattern stimulation. <i>Vision Research</i> , <b>2009</b> , 49, 505-13	2.1	15
81	Pharmacological dissociation of the b-wave and pattern electroretinogram. <i>Documenta Ophthalmologica</i> , <b>1987</b> , 65, 377-83	2.2	15
80	Protection of pattern electroretinogram and retinal ganglion cells by oncostatin M after optic nerve injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e108524	3.7	15
79	Next Generation PERG Method: Expanding the Response Dynamic Range and Capturing Response Adaptation. <i>Translational Vision Science and Technology</i> , <b>2017</b> , 6, 5	3.3	14
78	Gene therapy with mitochondrial heat shock protein 70 suppresses visual loss and optic atrophy in experimental autoimmune encephalomyelitis <b>2014</b> , 55, 5214-26		14
77	Pattern electroretinograms and visual evoked potentials in idiopathic intracranial hypertension. <i>Ophthalmologica</i> , <b>1992</b> , 205, 194-203	3.7	14

76	Retinal and tectal responses to alternating gratings are unaffected by monocular deprivation in pigeons. <i>Brain Research</i> , <b>1985</b> , 338, 341-5	3.7	14
75	Head-down Posture in Glaucoma Suspects Induces Changes in IOP, Systemic Pressure, and PERG That Predict Future Loss of Optic Nerve Tissue. <i>Journal of Glaucoma</i> , <b>2017</b> , 26, 459-465	2.1	13
74	Anesthetic Preconditioning as Endogenous Neuroprotection in Glaucoma. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	13
73	Transplant of Schwann cells allows normal development of the visual cortex of dark-reared rats. <i>European Journal of Neuroscience</i> , <b>1997</b> , 9, 102-12	3.5	13
72	The spatial tuning of steady state pattern electroretinogram in multiple sclerosis. <i>European Journal of Neurology</i> , <b>1999</b> , 6, 151-62	6	13
71	Pannexin 1 sustains the electrophysiological responsiveness of retinal ganglion cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 5797	4.9	12
70	The bioelectric field of the pattern electroretinogram in the mouse <b>2012</b> , 53, 8086-92		12
69	Deimination restores inner retinal visual function in murine demyelinating disease. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 646-56	15.9	12
68	A new mouse model of inducible, chronic retinal ganglion cell dysfunction not associated with cell death <b>2013</b> , 54, 1898-904		12
67	Electrophysiology of the postreceptoral visual pathway in mice. <i>Documenta Ophthalmologica</i> , <b>2002</b> , 104, 69-82	2.2	12
66	The second harmonic of the electroretinogram to sinusoidal flicker: spatiotemporal properties and clinical application. <i>Documenta Ophthalmologica</i> , <b>1993</b> , 84, 39-46	2.2	12
65	The PERG in diabetic glaucoma suspects with no evidence of retinopathy. <i>Journal of Glaucoma</i> , <b>2010</b> , 19, 243-7	2.1	12
64	Transgenic mice expressing mutated Tyr437His human myocilin develop progressive loss of retinal ganglion cell electrical responsiveness and axonopathy with normal iop <b>2014</b> , 55, 5602-9		11
63	Noninvasive assessments of optic nerve neurodegeneration in transgenic mice with isolated optic neuritis <b>2013</b> , 54, 4440-50		11
62	Detection of inner retina dysfunction by steady-state focal electroretinogram pattern and flicker in early IDDM. <i>Diabetes</i> , <b>1991</b> , 40, 1122-1127	0.9	11
61	Neurovascular Changes Associated With the Water Drinking Test. <i>Journal of Glaucoma</i> , <b>2018</b> , 27, 429-432.	2.1	10
60	Relationship between transient and steady-state pattern electroretinograms: theoretical and experimental assessment. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 8560-70		10
59	The temporal frequency response function of pattern ERG and VEP: changes in optic neuritis. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1996</b> , 100, 428-435		10

58	Macular flicker electroretinograms in Best vitelliform dystrophy. <i>Current Eye Research</i> , <b>1996</b> , 15, 638-46	2.9	10
57	Serotonin depletion modifies the pigeon electroretinogram. <i>Documenta Ophthalmologica</i> , <b>1989</b> , 72, 93-100		9
56	Binocularity in the little owl, <i>Athene noctua</i> . II. Properties of visually evoked potentials from the Wulst in response to monocular and binocular stimulation with sine wave gratings. <i>Brain, Behavior and Evolution</i> , <b>1990</b> , 35, 40-8	1.5	9
55	Binocular interaction and steady-state visual evoked potentials. I. A study in normal subjects and in subjects with defective binocular vision. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , <b>1988</b> , 226, 401-6	3.8	9
54	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. <i>Documenta Ophthalmologica</i> , <b>1985</b> , 61, 41-7	2.2	9
53	Interaction between photoreceptors and pigment epithelium in developing pigeon retina: an electrophysiological and ultrastructural study. <i>Documenta Ophthalmologica</i> , <b>1985</b> , 60, 413-9	2.2	9
52	Complex I subunit gene therapy with NDUFA6 ameliorates neurodegeneration in EAE. <i>Investigative Ophthalmology and Visual Science</i> , <b>2015</b> , 56, 1129-40		8
51	Losses of hemifield contrast sensitivity in patients with pituitary adenoma and normal visual acuity and visual field. <i>Clinical Neurophysiology</i> , <b>1999</b> , 110, 876-86	4.3	8
50	Spatial-temporal interactions in the steady-state pattern electroretinogram. <i>Documenta Ophthalmologica</i> , <b>1995</b> , 90, 169-76	2.2	8
49	Integrative properties of retinal ganglion cell electrical responsiveness depend on neurotrophic support and genotype in the mouse. <i>Experimental Eye Research</i> , <b>2016</b> , 145, 68-74	3.7	7
48	The first and second harmonics of the macular flicker electroretinogram: differential effects of retinal diseases. <i>Documenta Ophthalmologica</i> , <b>1995</b> , 90, 157-67	2.2	7
47	Macular electroretinograms to flicker and pattern stimulation in lamellar macular holes. <i>Documenta Ophthalmologica</i> , <b>1992</b> , 79, 99-108	2.2	7
46	Adaptation of retinal ganglion cell function during flickering light in the mouse. <i>Scientific Reports</i> , <b>2019</b> , 9, 18396	4.9	7
45	Longterm Reversal of Severe Visual Loss by Mitochondrial Gene Transfer in a Mouse Model of Leber Hereditary Optic Neuropathy. <i>Scientific Reports</i> , <b>2018</b> , 8, 5587	4.9	6
44	Retinal ganglion cell function in recovered optic neuritis: Faster is not better. <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1813-1818	4.3	6
43	The pattern electroretinogram (PERG) after laser treatment of the peripheral or central retina. <i>Current Eye Research</i> , <b>1997</b> , 16, 111-5	2.9	6
42	Recent advances in clinical neurophysiology of vision. <i>Supplements To Clinical Neurophysiology</i> , <b>2000</b> , 53, 312-22		6
41	Spatial-frequency-dependent changes in the human pattern electroretinogram after acute acetyl-L-carnitine administration. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , <b>1991</b> , 229, 262-6	3.8	6

40	Evoked responses to sinusoidal gratings in the pigeon optic tectum. <i>Visual Neuroscience</i> , <b>1989</b> , 2, 137-45	1.7	6
39	Long-term PERG monitoring of untreated and treated glaucoma suspects. <i>Documenta Ophthalmologica</i> , <b>2020</b> , 141, 149-156	2.2	5
38	Binocular interactions and steady-state VEPs. A study in normal and defective binocular vision (Part II). <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , <b>1994</b> , 232, 737-44	3.8	5
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