

Michael Bach

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221
papers

10,939
citations

52
h-index

98
g-index

267
ext. papers

12,579
ext. citations

2.5
avg, IF

6.43
L-index

#	Paper	IF	Citations
221	ISCEV Standard for full-field clinical electroretinography (2015 update). <i>Documenta Ophthalmologica</i> , 2015 , 130, 1-12	2.2	848
220	ISCEV Standard for full-field clinical electroretinography (2008 update). <i>Documenta Ophthalmologica</i> , 2009 , 118, 69-77	2.2	710
219	The Freiburg Visual Acuity test--automatic measurement of visual acuity. <i>Optometry and Vision Science</i> , 1996 , 73, 49-53	2.1	586
218	Visual acuities "hand motion" and "counting fingers" can be quantified with the freiburg visual acuity test. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 1236-40		517
217	ISCEV standard for clinical multifocal electroretinography (mfERG) (2011 edition). <i>Documenta Ophthalmologica</i> , 2012 , 124, 1-13	2.2	401
216	ISCEV standard for clinical visual evoked potentials (2009 update). <i>Documenta Ophthalmologica</i> , 2010 , 120, 111-9	2.2	385
215	ISCEV standard for clinical pattern electroretinography (PERG): 2012 update. <i>Documenta Ophthalmologica</i> , 2013 , 126, 1-7	2.2	302
214	Resolving the clinical acuity categories "hand motion" and "counting fingers" using the Freiburg Visual Acuity Test (FrACT). <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 137-42	3.8	290
213	ISCEV standard for clinical visual evoked potentials: (2016 update). <i>Documenta Ophthalmologica</i> , 2016 , 133, 1-9	2.2	289
212	Visual evoked potentials standard (2004). <i>Documenta Ophthalmologica</i> , 2004 , 108, 115-23	2.2	282
211	The Freiburg Visual Acuity Test-variability unchanged by post-hoc re-analysis. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 965-71	3.8	204
210	Long-term plasticity of visually evoked potentials in humans is altered in major depression. <i>Biological Psychiatry</i> , 2007 , 62, 373-80	7.9	172
209	ISCEV standard for clinical pattern electroretinography--2007 update. <i>Documenta Ophthalmologica</i> , 2007 , 114, 111-6	2.2	150
208	ISCEV guidelines for clinical multifocal electroretinography (2007 edition). <i>Documenta Ophthalmologica</i> , 2008 , 116, 1-11	2.2	135
207	Seeing gray when feeling blue? Depression can be measured in the eye of the diseased. <i>Biological Psychiatry</i> , 2010 , 68, 205-8	7.9	124
206	DoB and donRs in Fourier analysis of steady-state potentials. <i>Documenta Ophthalmologica</i> , 1999 , 99, 69-82	2.2	121
205	ISCEV Standard for Clinical Electro-oculography (EOG) 2006. <i>Documenta Ophthalmologica</i> , 2006 , 113, 205-12	2.2	115

204	Early neural activity in Necker-cube reversal: evidence for low-level processing of a gestalt phenomenon. <i>Psychophysiology</i> , 2004 , 41, 1-8	4.1	114
203	Motion adaptation governs the shape of motion-evoked cortical potentials. <i>Vision Research</i> , 1994 , 34, 1541-7	2.1	112
202	Standard for pattern electroretinography. International Society for Clinical Electrophysiology of Vision. <i>Documenta Ophthalmologica</i> , 2000 , 101, 11-8	2.2	111
201	An accurate and linear infrared oculometer. <i>Journal of Neuroscience Methods</i> , 1983 , 9, 9-14	3	110
200	On the statistical significance of electrophysiological steady-state responses. <i>Documenta Ophthalmologica</i> , 1999 , 98, 207-32	2.2	103
199	The Necker cube--an ambiguous figure disambiguated in early visual processing. <i>Vision Research</i> , 2005 , 45, 955-60	2.1	98
198	Update on the pattern electroretinogram in glaucoma. <i>Optometry and Vision Science</i> , 2008 , 85, 386-95	2.1	97
197	Electrophysiological correlates of texture segregation in the human visual evoked potential. <i>Vision Research</i> , 1992 , 32, 417-24	2.1	94
196	Measuring contrast sensitivity under different lighting conditions: comparison of three tests. <i>Optometry and Vision Science</i> , 2006 , 83, 290-8	2.1	85
195	ISCEV standard for clinical electro-oculography (2010 update). <i>Documenta Ophthalmologica</i> , 2011 , 122, 1-7	2.2	83
194	Ambiguous figures - what happens in the brain when perception changes but not the stimulus. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 51	3.3	83
193	Pattern ERG as an early glaucoma indicator in ocular hypertension: a long-term, prospective study. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 4881-7		80
192	Photopic negative response versus pattern electroretinogram in early glaucoma 2013 , 54, 1182-91		76
191	Raster-scan cathode-ray tubes for vision research--limits of resolution in space, time and intensity, and some solutions. <i>Spatial Vision</i> , 1997 , 10, 403-14		76
190	Contrast dependency of motion-onset and pattern-reversal VEPs: interaction of stimulus type, recording site and response component. <i>Vision Research</i> , 1997 , 37, 1845-9	2.1	74
189	Guidelines for calibration of stimulus and recording parameters used in clinical electrophysiology of vision. <i>Documenta Ophthalmologica</i> , 2003 , 107, 185-93	2.2	74
188	ISCEV Standard for clinical electro-oculography (2017 update). <i>Documenta Ophthalmologica</i> , 2017 , 134, 1-9	2.2	72
187	Does time equal vision in the acute treatment of a cohort of AQP4 and MOG optic neuritis?. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6, e572	9.1	70

186	Simultaneous recording with 30 microelectrodes in monkey visual cortex. <i>Experimental Brain Research</i> , 1981 , 41, 191-4	2.3	70
185	Visual contrast response functions in Parkinson's disease: evidence from electroretinograms, visually evoked potentials and psychophysics. <i>Clinical Neurophysiology</i> , 2000 , 111, 66-74	4.3	68
184	Similar electrophysiological correlates of texture segregation induced by luminance, orientation, motion and stereo. <i>Vision Research</i> , 1997 , 37, 1409-14	2.1	65
183	Coupling of neural activity and BOLD fMRI response: new insights by combination of fMRI and VEP experiments in transition from single events to continuous stimulation. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 482-6	4.4	63
182	Pattern electroretinogram in glaucoma suspects: new findings from a longitudinal study 2011 , 52, 4300-6		61
181	Occurrence of express saccades under isoluminance and low contrast luminance conditions. <i>Visual Neuroscience</i> , 1991 , 7, 505-10	1.7	59
180	Correlated neuronal variability in monkey visual cortex revealed by a multi-microelectrode. <i>Experimental Brain Research</i> , 1986 , 61, 451-6	2.3	59
179	Quantification of ischemic damage in the rat retina: a comparative study using evoked potentials, electroretinography, and histology. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1056-64		58
178	Directional tuning of human motion adaptation as reflected by the motion VEP. <i>Vision Research</i> , 2001 , 41, 2187-94	2.1	58
177	Check-size specific changes of pattern electroretinogram in patients with early open-angle glaucoma. <i>Documenta Ophthalmologica</i> , 1988 , 69, 315-22	2.2	57
176	Multistable perception: when bottom-up and top-down coincide. <i>Brain and Cognition</i> , 2009 , 69, 138-47	2.7	56
175	Time course of motion adaptation: motion-onset visual evoked potentials and subjective estimates. <i>Vision Research</i> , 1999 , 39, 437-44	2.1	56
174	Basic quantitative assessment of visual performance in patients with very low vision 2010 , 51, 1255-60		55
173	Bistable perception -- along the processing chain from ambiguous visual input to a stable percept. <i>International Journal of Psychophysiology</i> , 2006 , 62, 345-9	2.9	54
172	Pattern electroretinogram in glaucoma and ocular hypertension. <i>Documenta Ophthalmologica</i> , 1989 , 73, 173-81	2.2	54
171	The abutting grating illusion. <i>Vision Research</i> , 1996 , 36, 109-16	2.1	53
170	Discontinuous presentation of ambiguous figures: how interstimulus-interval durations affect reversal dynamics and ERPs. <i>Psychophysiology</i> , 2007 , 44, 552-60	4.1	52
169	Electrophysiology and glaucoma: current status and future challenges. <i>Cell and Tissue Research</i> , 2013 , 353, 287-96	4.2	48

168	Visual evoked potential-based acuity assessment in normal vision, artificially degraded vision, and in patients. <i>British Journal of Ophthalmology</i> , 2008 , 92, 396-403	5.5	48
167	Guidelines for calibration of stimulus and recording parameters used in clinical electrophysiology of vision. Calibration Standard Committee of the International Society for Clinical Electrophysiology of Vision (ISCEV). <i>Documenta Ophthalmologica</i> , 1998 , 95, 1-14	2.2	46
166	Stimulus versus eye movements: comparison of neural activity in the striate and prelunate visual cortex (A17 and A19) of trained rhesus monkey. <i>Experimental Brain Research</i> , 1981 , 43, 69-77	2.3	46
165	ABCA4 and ROM1: implications for modification of the PRPH2-associated macular dystrophy phenotype 2010 , 51, 4253-65		45
164	Effect of antidepressive therapy on retinal contrast processing in depressive disorder. <i>British Journal of Psychiatry</i> , 2012 , 201, 151-8	5.4	44
163	Psychophysical measures of visual acuity in autism spectrum conditions. <i>Vision Research</i> , 2011 , 51, 1778-80		41
162	Little correlation of the pattern electroretinogram (PERG) and visual field measures in early glaucoma. <i>Documenta Ophthalmologica</i> , 1997 , 94, 253-63	2.2	40
161	Clinical Tests of Ultra-Low Vision Used to Evaluate Rudimentary Visual Perceptions Enabled by the BrainPort Vision Device. <i>Translational Vision Science and Technology</i> , 2013 , 2, 1	3.3	39
160	Ocular prevalence versus ocular dominance. <i>Vision Research</i> , 2003 , 43, 1397-403	2.1	39
159	Retinal Nerve Fiber Layer May Be Better Preserved in MOG-IgG versus AQP4-IgG Optic Neuritis: A Cohort Study. <i>PLoS ONE</i> , 2017 , 12, e0170847	3.7	38
158	Safety and efficacy of subretinal visual implants in humans: methodological aspects. <i>Australasian journal of optometry, The</i> , 2013 , 96, 4-13	2.7	38
157	Ambiguous figures and binding: EEG frequency modulations during multistable perception. <i>Psychophysiology</i> , 2011 , 48, 547-58	4.1	35
156	Visual paired-pulse stimulation reveals enhanced visual cortex excitability in migraineurs. <i>European Journal of Neuroscience</i> , 2009 , 30, 714-20	3.5	35
155	Adaptation characteristics of steady-state motion visual evoked potentials. <i>Clinical Neurophysiology</i> , 2003 , 114, 1359-66	4.3	34
154	Summation of texture segregation across orientation and spatial frequency: electrophysiological and psychophysical findings. <i>Vision Research</i> , 2000 , 40, 3559-66	2.1	34
153	Adaptation dynamics in pattern-reversal visual evoked potentials. <i>Documenta Ophthalmologica</i> , 2001 , 102, 141-56	2.2	32
152	Retinal dysfunction of contrast processing in major depression also apparent in cortical activity. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015 , 265, 343-50	5.1	31
151	Retrobulbar optic nerve diameter measured by high-speed magnetic resonance imaging as a biomarker for axonal loss in glaucomatous optic atrophy 2009 , 50, 4223-8		31

150	Impairment in preattentive visual processing in patients with Parkinson's disease. <i>Brain</i> , 1999 , 122 (Pt 2), 303-13	11.2	31
149	Visual motion detection in man is governed by non-retinal mechanisms. <i>Vision Research</i> , 2000 , 40, 2379-85		30
148	Electrophysiological evidence for independent speed channels in human motion processing. <i>Journal of Vision</i> , 2004 , 4, 469-75	0.4	28
147	Retest variability and diurnal effects in the pattern electroretinogram. <i>Documenta Ophthalmologica</i> , 1996 , 92, 311-23	2.2	28
146	Electrophysiological correlates of human texture segregation, an overview. <i>Documenta Ophthalmologica</i> , 1998 , 95, 335-47	2.2	27
145	Texture segregation in traumatic brain injury--a VEP study. <i>Vision Research</i> , 2004 , 44, 2835-42	2.1	27
144	ISCEV standard for clinical multifocal electroretinography (mfERG) (2021 update). <i>Documenta Ophthalmologica</i> , 2021 , 142, 5-16	2.2	27
143	Necker cube: stimulus-related (low-level) and percept-related (high-level) EEG signatures early in occipital cortex. <i>Journal of Vision</i> , 2011 , 11, 12	0.4	26
142	A primer on common statistical errors in clinical ophthalmology. <i>Documenta Ophthalmologica</i> , 2010 , 121, 215-22	2.2	26
141	Contrast adaptation in retinal and cortical evoked potentials: no adaptation to low spatial frequencies. <i>Visual Neuroscience</i> , 2002 , 19, 645-50	1.7	26
140	Visualization of fundus vessel pulsation using principal component analysis 2011 , 52, 5457-64		24
139	Paired-pulse behavior of visually evoked potentials recorded in human visual cortex using patterned paired-pulse stimulation. <i>Experimental Brain Research</i> , 2008 , 188, 427-35	2.3	24
138	Pattern-onset stimulation boosts central multifocal VEP responses. <i>Journal of Vision</i> , 2003 , 3, 432-9	0.4	24
137	Different effect of dioptric defocus vs. light scatter on the pattern electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2004 , 108, 99-106	2.2	24
136	Object perception: when our brain is impressed but we do not notice it. <i>Journal of Vision</i> , 2009 , 9, 7.1-10	0.4	23
135	Anti-aliasing and dithering in the Freiburg Visual Acuity Test. <i>Spatial Vision</i> , 1997 , 11, 85-9		23
134	Simulated nystagmus suppresses pattern-reversal but not pattern-onset visual evoked potentials. <i>Clinical Neurophysiology</i> , 2004 , 115, 2659-65	4.3	23
133	Feasibility of intravitreal erythropoietin injections in humans. <i>British Journal of Ophthalmology</i> , 2009 , 93, 1667-71	5.5	22

132	Gucy2f zebrafish knockdown--a model for Gucy2d-related leber congenital amaurosis. <i>European Journal of Human Genetics</i> , 2012 , 20, 884-9	5.3	22
131	Frequency-domain analysis of fast oddball responses to visual stimuli: a feasibility study. <i>International Journal of Psychophysiology</i> , 2009 , 73, 287-93	2.9	22
130	Check size tuning of the pattern electroretinogram: a reappraisal. <i>Documenta Ophthalmologica</i> , 1996 , 92, 193-202	2.2	22
129	Asymmetries in preattentive line detection. <i>Vision Research</i> , 1994 , 34, 3103-9	2.1	22
128	Contrast sensitivity with bifocal intraocular lenses is halved, as measured with the Freiburg Vision Test (FrACT), yet patients are happy. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2014 , 252, 539-44	3.8	21
127	Isolation and characteristics of a steady-state visually-evoked potential in humans related to the motion of a stimulus. <i>Vision Research</i> , 1995 , 35, 1365-73	2.1	21
126	VEP estimation of visual acuity: a systematic review. <i>Documenta Ophthalmologica</i> , 2021 , 142, 25-74	2.2	21
125	Marked dissociation of photopic and mesopic contrast sensitivity even in normal observers. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 373-84	3.8	20
124	Pattern electroretinogram to detect glaucoma: comparing the PERGLA and the PERG Ratio protocols. <i>Documenta Ophthalmologica</i> , 2013 , 127, 227-38	2.2	20
123	The effects of visual degradation on face discrimination. <i>Ophthalmic and Physiological Optics</i> , 2011 , 31, 240-8	4.1	20
122	Regarding "Eagle-eyed visual acuity: an experimental investigation of enhanced perception in autism". <i>Biological Psychiatry</i> , 2009 , 66, e19-20; author reply e23-4	7.9	20
121	Independent systems of orientation columns in upper and lower layers of monkey visual cortex. <i>Neuroscience Letters</i> , 1982 , 31, 225-30	3.3	20
120	Blur Unblurred-A Mini Tutorial. <i>I-Perception</i> , 2018 , 9, 2041669518765850	1.2	19
119	Transient molecular visualization of ocular dominance columns (ODCs) in normal adult marmosets despite the desegregated termination of the retino-geniculo-cortical pathways. <i>Journal of Comparative Neurology</i> , 1998 , 393, 118-134	3.4	19
118	The distinction between eye and object motion is reflected by the motion-onset visual evoked potential. <i>Experimental Brain Research</i> , 2002 , 144, 141-51	2.3	19
117	The Freiburg Stereoacuity Test: automatic measurement of stereo threshold 2001 , 239, 562-6		19
116	A different view on the checkerboard? Alterations in early and late visually evoked EEG potentials in Asperger observers. <i>PLoS ONE</i> , 2014 , 9, e90993	3.7	19
115	Visual evoked potential-based acuity assessment: overestimation in amblyopia. <i>Documenta Ophthalmologica</i> , 2014 , 128, 191-200	2.2	18

114	The contrast characteristic of the pattern electroretinogram depends on temporal frequency. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 1999 , 237, 93-9	3.8	18
113	Asymmetry of motion VEP in infantile strabismus and in central vestibular nystagmus. <i>Documenta Ophthalmologica</i> , 1995 , 89, 373-81	2.2	18
112	"Cognitive" visual acuity estimation based on the event-related potential P300 component. <i>Clinical Neurophysiology</i> , 2010 , 121, 1464-1472	4.3	17
111	Isolating motion responses in visual evoked potentials by preadapting flicker-sensitive mechanisms. <i>Experimental Brain Research</i> , 2003 , 151, 536-41	2.3	17
110	Retinal and cortical activity in human subjects during color flicker fusion. <i>Vision Research</i> , 1992 , 32, 1219-23	2.3	17
109	ISCEV extended protocol for VEP methods of estimation of visual acuity. <i>Documenta Ophthalmologica</i> , 2021 , 142, 17-24	2.2	17
108	Signal and noise in P300 recordings to visual stimuli. <i>Documenta Ophthalmologica</i> , 2008 , 117, 73-83	2.2	16
107	Visual acuity and X-linked color blindness. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2006 , 244, 447-53	3.8	16
106	Failure of dimension analysis in a simple five-dimensional system. <i>Physical Review E</i> , 1994 , 50, 1770-1780	2.4	16
105	P300 in neglect. <i>Clinical Neurophysiology</i> , 2012 , 123, 496-506	4.3	15
104	Oblique effects beyond low-level visual processing. <i>Vision Research</i> , 2008 , 48, 809-18	2.1	15
103	Methylprednisolone fails to preserve retinal ganglion cells and visual function after ocular ischemia in rats 2008 , 49, 5003-7		15
102	Attention and visual texture segregation. <i>Journal of Vision</i> , 2007 , 7, 6	0.4	15
101	The influence of defocus on multifocal visual evoked potentials. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2005 , 243, 38-42	3.8	15
100	LTP-like plasticity in the visual system and in the motor system appear related in young and healthy subjects. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 506	3.3	14
99	Subjective visual acuity with simulated defocus. <i>Ophthalmic and Physiological Optics</i> , 2011 , 31, 625-31	4.1	14
98	Syndromic choroideremia: sublocalization of phenotypes associated with Martin-Probst deafness mental retardation syndrome 2008 , 49, 4096-104		14
97	Interindividual variability of learning in stereoacuity. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2002 , 240, 704-9	3.8	14

96	Influence of mood on visually evoked potentials: a prospective longitudinal study. <i>International Journal of Psychophysiology</i> , 1992 , 12, 147-53	2.9	14
95	Variability of the steady-state visually evoked potential: interindividual variance and intraindividual reproducibility of spatial frequency tuning. <i>Documenta Ophthalmologica</i> , 1990 , 75, 59-66	2.2	14
94	Resolution acuity versus recognition acuity with Landolt-style optotypes. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2013 , 251, 2235-41	3.8	13
93	The dynamics of practice effects in an optotype acuity task. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 1319-26	3.8	13
92	Electrophysiological evaluation of retinal photoreceptor function after repeated bevacizumab injections. <i>Documenta Ophthalmologica</i> , 2009 , 118, 81-8	2.2	13
91	The effect of optotype presentation duration on acuity estimates revisited. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2010 , 248, 389-94	3.8	13
90	Vernier acuity for stereodisparate objects and ocular prevalence. <i>Vision Research</i> , 2005 , 45, 1321-8	2.1	13
89	Pattern specificity of human visual motion processing. <i>Vision Research</i> , 2005 , 45, 2137-43	2.1	13
88	Ambiguity in Tactile Apparent Motion Perception. <i>PLoS ONE</i> , 2016 , 11, e0152736	3.7	13
87	Imitating the effect of amblyopia on VEP-based acuity estimates. <i>Documenta Ophthalmologica</i> , 2016 , 133, 183-187	2.2	13
86	Retinal conduction speed analysis reveals different origins of the P50 and N95 components of the (multifocal) pattern electroretinogram. <i>Experimental Eye Research</i> , 2018 , 169, 48-53	3.7	12
85	Elevated background noise in adult attention deficit hyperactivity disorder is associated with inattention. <i>PLoS ONE</i> , 2015 , 10, e0118271	3.7	12
84	Stereoacuity versus fixation disparity as indicators for vergence accuracy under prismatic stress. <i>Ophthalmic and Physiological Optics</i> , 2003 , 23, 43-9	4.1	12
83	Individual Differences in Scotopic Visual Acuity and Contrast Sensitivity: Genetic and Non-Genetic Influences. <i>PLoS ONE</i> , 2016 , 11, e0148192	3.7	12
82	VEP-based acuity assessment in low vision. <i>Documenta Ophthalmologica</i> , 2017 , 135, 209-218	2.2	11
81	Acuity VEP: improved with machine learning. <i>Documenta Ophthalmologica</i> , 2019 , 139, 113-122	2.2	11
80	Quantitative Analysis of Fundus-Image Sequences Reveals Phase of Spontaneous Venous Pulsations. <i>Translational Vision Science and Technology</i> , 2015 , 4, 3	3.3	11
79	The influence of ambient room lighting on the pattern electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2002 , 105, 281-9	2.2	11

78	Visual Acuity Testing: Feedback Affects Neither Outcome nor Reproducibility, but Leaves Participants Happier. <i>PLoS ONE</i> , 2016 , 11, e0147803	3.7	11
77	Testing Visual Functions in Patients with Visual Prostheses 2007 , 91-110		11
76	Event-Related Potentials Allow for Optotype-Based Objective Acuity Estimation 2015 , 56, 2184-91		10
75	Heterogeneity of stimulus-specific response modification-an fMRI study on neuroplasticity. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 695	3.3	10
74	Do dissociated or associated phoria predict the comfortable prism?. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 631-9	3.8	10
73	The influence of luminance on the multifocal ERG. <i>Documenta Ophthalmologica</i> , 2006 , 113, 187-92	2.2	10
72	Contrast adaptation: paradoxical effects when the temporal frequencies of adaptation and test differ. <i>Visual Neuroscience</i> , 2002 , 19, 421-6	1.7	10
71	EEG correlates of perceptual reversals in Boring's ambiguous old/young woman stimulus. <i>Perception</i> , 2014 , 43, 950-62	1.2	9
70	Ten-year results: detection of long-term progressive optic disc changes with confocal laser tomography. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2006 , 244, 460-4	3.8	9
69	CORRELATES OF PERCEPTIVE INSTABILITIES IN EVENT-RELATED POTENTIALS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 727-736	2	9
68	Direction tuning of human motion detection determined from a population model. <i>European Journal of Neuroscience</i> , 2004 , 19, 3359-64	3.5	9
67	High-frequency oscillations in human visual cortex do not mirror retinal frequencies. <i>Neuroscience Letters</i> , 2004 , 369, 55-8	3.3	9
66	Retinal contrast transfer functions in adults with and without ADHD. <i>PLoS ONE</i> , 2013 , 8, e61728	3.7	9
65	Can I trust in what I see? EEG evidence for a cognitive evaluation of perceptual constructs. <i>Psychophysiology</i> , 2016 , 53, 1507-23	4.1	9
64	Faces are more attractive than motion: evidence from two simultaneous oddball paradigms. <i>Documenta Ophthalmologica</i> , 2014 , 128, 201-9	2.2	8
63	Optic nerve projections in patients with primary ciliary dyskinesia 2011 , 52, 4617-25		8
62	Maturation of steady-state flicker VEPs in infants: fundamental and harmonic temporal response frequencies. <i>Documenta Ophthalmologica</i> , 2009 , 118, 109-19	2.2	8
61	Can we do without mydriasis in multifocal ERG recordings?. <i>Documenta Ophthalmologica</i> , 2009 , 118, 121-22		8

60	Influence of narcotics on luminance and frequency modulated visual evoked potentials in rats. <i>Documenta Ophthalmologica</i> , 2009 , 118, 217-24	2.2	8
59	Knockdown of unc119c results in visual impairment and early-onset retinal dystrophy in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 473, 1211-1217	3.4	7
58	Assessing visual acuity across five disease types: ETDRS charts are faster with clinical outcome comparable to Landolt Cs. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2014 , 252, 1093-9 ⁸	3.8	7
57	A case of localized retinal damage in thallium poisoning. <i>International Ophthalmology</i> , 1997 , 21, 143-7	2.2	7
56	Temporal and spatial frequencies interact in the contrast transfer function of the pattern electroretinogram. <i>Vision Research</i> , 2007 , 47, 1992-9	2.1	7
55	Dose-response relationship in inferior oblique muscle recession. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 593-8	3.8	7
54	Fast stimulus sequences improve the efficiency of event-related potential P300 recordings. <i>Journal of Neuroscience Methods</i> , 2008 , 174, 259-64	3	7
53	Ocular prevalence and stereoacuity. <i>Ophthalmic and Physiological Optics</i> , 2006 , 26, 50-6	4.1	7
52	120 Hz oscillations in the flash visual evoked potential are strictly phase-locked and limited to the first 100 ms. <i>Visual Neuroscience</i> , 2001 , 18, 917-921	1.7	7
51	The Discrepancy between Subjective and Objective Measures of Convergence Insufficiency in Whiplash-Associated Disorder versus Control Participants. <i>Ophthalmology</i> , 2018 , 125, 924-928	7.3	6
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