

Michael Bach

List of Publications by Year in Descending Order

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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.

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	Quantification of the Dynamic Visual Acuity Space at Real-World Luminances and Contrasts: The VA-CAL Test.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 12	3.3	
220	Mallett unit or fully fusionable images for prisms against asthenopia?. <i>Journal of Optometry</i> , 2021 , 15, 186-186	2.6	0
219	Replication of Reduced Pattern Electroretinogram Amplitudes in Depression With Improved Recording Parameters. <i>Frontiers in Medicine</i> , 2021 , 8, 732222	4.9	
218	VEP-based acuity estimation: unaffected by translucency of contralateral occlusion. <i>Documenta Ophthalmologica</i> , 2021 , 143, 249-257	2.2	
217	Non-invasive electrophysiology in glaucoma, structure and function-a review. <i>Eye</i> , 2021 , 35, 2374-2385	4.4	0
216	VEP estimation of visual acuity: a systematic review. <i>Documenta Ophthalmologica</i> , 2021 , 142, 25-74	2.2	21
215	ISCEV extended protocol for VEP methods of estimation of visual acuity. <i>Documenta Ophthalmologica</i> , 2021 , 142, 17-24	2.2	17
214	Transcranial direct current stimulation induces long-term potentiation-like plasticity in the human visual cortex. <i>Translational Psychiatry</i> , 2021 , 11, 17	8.6	3
213	ISCEV standard for clinical multifocal electroretinography (mfERG) (2021 update). <i>Documenta Ophthalmologica</i> , 2021 , 142, 5-16	2.2	27
212	ERG shrinks by 10% when reducing dark adaptation time to 10min, but only for weak flashes. <i>Documenta Ophthalmologica</i> , 2020 , 141, 57-64	2.2	3
211	Determination of scotopic and photopic conventional visual acuity and hyperacuity. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 129-135	3.8	5
210	Analysis of user behavior on the website of a university eye hospital in Germany. <i>Medicine (United States)</i> , 2020 , 99, e21348	1.8	0
209	Attentional Interactions Between Vision and Hearing in Event-Related Responses to Crossmodal and Conjunction Oddballs. <i>Multisensory Research</i> , 2020 , 33, 251-275	1.9	0
208	The Rotating Snakes Illusion Is a Straightforward Consequence of Nonlinearity in Arrays of Standard Motion Detectors. <i>I-Perception</i> , 2020 , 11, 2041669520958025	1.2	
207	The "speed" of acuity in scotopic vs. photopic vision. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 2791-2798	3.8	4
206	Normalization of increased retinal background noise after ADHD treatment: A neuronal correlate. <i>Schizophrenia Research</i> , 2020 , 219, 77-83	3.6	3
205	Evaluation of the "Freiburg Acuity VEP" on Commercial Equipment. <i>Documenta Ophthalmologica</i> , 2020 , 140, 139-145	2.2	4

204	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
203	Acuity VEP: improved with machine learning. <i>Documenta Ophthalmologica</i> , 2019 , 139, 113-122	2.2	11
202	Habitual higher order aberrations affect Landolt but not Vernier acuity. <i>Journal of Vision</i> , 2019 , 19, 11	0.4	2
201	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
200	Calculation and plotting of retinal nerve fiber paths based on Jansonius et al. 2009/2012 with an R program. <i>Data in Brief</i> , 2018 , 18, 66-68	1.2	
199	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
198	Blur Unblurred-A Mini Tutorial. <i>I-Perception</i> , 2018 , 9, 2041669518765850	1.2	19
197	7.3 EVALUATING THE NEUROBIOLOGICAL CORRELATES AND IMPACT OF TREATMENT ON COGNITIVE DYSFUNCTION IN ADHD AND SCHIZOPHRENIA BY MEANS OF THE PATTERN ELECTRORETINOGRAM. <i>Schizophrenia Bulletin</i> , 2018 , 44, S11-S12	1.3	1
196	Two-Tactor Vibrotactile Navigation Information for the Blind: Directional Resolution and Intuitive Interpretation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 279-286	4.8	5
195	ISCEV Standard for clinical electro-oculography (2017 update). <i>Documenta Ophthalmologica</i> , 2017 , 134, 1-9	2.2	72
194	Test-retest reliability of scotopic full-field electroretinograms in rabbits. <i>Documenta Ophthalmologica</i> , 2017 , 134, 157-165	2.2	3
193	VEP-based acuity assessment in low vision. <i>Documenta Ophthalmologica</i> , 2017 , 135, 209-218	2.2	11
192	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
191	Rotating Snakes Illusion-Quantitative Analysis Reveals a Region in Luminance Space With Opposite Illusory Rotation. <i>I-Perception</i> , 2017 , 8, 2041669517691779	1.2	5
190	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
189	ISCEV standard for clinical visual evoked potentials: (2016 update). <i>Documenta Ophthalmologica</i> , 2016 , 133, 1-9	2.2	289
188	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
187	Ambiguity in Tactile Apparent Motion Perception. <i>PLoS ONE</i> , 2016 , 11, e0152736	3.7	13

186	Visual Acuity Testing: Feedback Affects Neither Outcome nor Reproducibility, but Leaves Participants Happier. <i>PLoS ONE</i> , 2016 , 11, e0147803	3-7	11
185	Individual Differences in Scotopic Visual Acuity and Contrast Sensitivity: Genetic and Non-Genetic Influences. <i>PLoS ONE</i> , 2016 , 11, e0148192	3-7	12
184	Imitating the effect of amblyopia on VEP-based acuity estimates. <i>Documenta Ophthalmologica</i> , 2016 , 133, 183-187	2.2	13
183	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
182	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
181	ISCEV Standard for full-field clinical electroretinography (2015 update). <i>Documenta Ophthalmologica</i> , 2015 , 130, 1-12	2.2	848
180	Relating the steady-state visual evoked potential to single-stimulus responses derived from m-sequence stimulation. <i>Documenta Ophthalmologica</i> , 2015 , 131, 13-24	2.2	3
179	Objective measurement of visual resolution using the P300 to self-facial images. <i>Documenta Ophthalmologica</i> , 2015 , 131, 137-48	2.2	3
178	Asthenopia, Associated Phoria, and Self-Selected Prism. <i>Strabismus</i> , 2015 , 23, 51-65	1-3	5
177	Event-Related Potentials Allow for Optotype-Based Objective Acuity Estimation 2015 , 56, 2184-91		10
176	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
175	Normal Visual Acuity and Electrophysiological Contrast Gain in Adults with High-Functioning Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 460	3-3	6
174	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
173	Elevated background noise in adult attention deficit hyperactivity disorder is associated with inattention. <i>PLoS ONE</i> , 2015 , 10, e0118271	3-7	12
172	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
171	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
170	A fast automated method for calculating the EOG Arden ratio. <i>Documenta Ophthalmologica</i> , 2014 , 128, 169-78	2.2	2
169	Visual evoked potential-based acuity assessment: overestimation in amblyopia. <i>Documenta Ophthalmologica</i> , 2014 , 128, 191-200	2.2	18

168	Faces are more attractive than motion: evidence from two simultaneous oddball paradigms. <i>Documenta Ophthalmologica</i> , 2014 , 128, 201-9	2.2	8
167	EEG correlates of perceptual reversals in Boring's ambiguous old/young woman stimulus. <i>Perception</i> , 2014 , 43, 950-62	1.2	9
166	Heterogeneity of stimulus-specific response modification-an fMRI study on neuroplasticity. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 695	3.3	10
165	Visual illusions on the Internet: 15 years of change in technology and user behavior. <i>Perception</i> , 2014 , 43, 873-80	1.2	3
164	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
163	Resolution acuity versus recognition acuity with Landolt-style optotypes. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2013 , 251, 2235-41	3.8	13
162	Electrophysiology and glaucoma: current status and future challenges. <i>Cell and Tissue Research</i> , 2013 , 353, 287-96	4.2	48
161	Pattern electroretinogram to detect glaucoma: comparing the PERGLA and the PERG Ratio protocols. <i>Documenta Ophthalmologica</i> , 2013 , 127, 227-38	2.2	20
160	ISCEV standard for clinical pattern electroretinography (PERG): 2012 update. <i>Documenta Ophthalmologica</i> , 2013 , 126, 1-7	2.2	302
159	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
158	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
157	Photopic negative response versus pattern electroretinogram in early glaucoma 2013 , 54, 1182-91		76
156	Retinal contrast transfer functions in adults with and without ADHD. <i>PLoS ONE</i> , 2013 , 8, e61728	3.7	9
155	ISCEV standard for clinical multifocal electroretinography (mfERG) (2011 edition). <i>Documenta Ophthalmologica</i> , 2012 , 124, 1-13	2.2	401
154	Parallactic movement beats binocularity in the presence of external visual noise. <i>Ophthalmic and Physiological Optics</i> , 2012 , 32, 308-16	4.1	1
153	P300 in neglect. <i>Clinical Neurophysiology</i> , 2012 , 123, 496-506	4.3	15
152	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
151	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

150	Effect of antidepressive therapy on retinal contrast processing in depressive disorder. <i>British Journal of Psychiatry</i> , 2012 , 201, 151-8	5.4	44
149	Quantification of retrograde axonal transport in the rat optic nerve by fluorogold spectrometry. <i>PLoS ONE</i> , 2012 , 7, e38820	3.7	6
148	Optic nerve projections in patients with primary ciliary dyskinesia 2011 , 52, 4617-25		8
147	Pattern electroretinogram in glaucoma suspects: new findings from a longitudinal study 2011 , 52, 4300-6		61
146	The effects of visual degradation on face discrimination. <i>Ophthalmic and Physiological Optics</i> , 2011 , 31, 240-8	4.1	20
145	Subjective visual acuity with simulated defocus. <i>Ophthalmic and Physiological Optics</i> , 2011 , 31, 625-31	4.1	14
144	Ambiguous figures and binding: EEG frequency modulations during multistable perception. <i>Psychophysiology</i> , 2011 , 48, 547-58	4.1	35
143	Psychophysical measures of visual acuity in autism spectrum conditions. <i>Vision Research</i> , 2011 , 51, 1778-80		41
142	ISCEV standard for clinical electro-oculography (2010 update). <i>Documenta Ophthalmologica</i> , 2011 , 122, 1-7	2.2	83
141	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
140	Visualization of fundus vessel pulsation using principal component analysis 2011 , 52, 5457-64		24
139	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
138	ABCA4 and ROM1: implications for modification of the PRPH2-associated macular dystrophy phenotype 2010 , 51, 4253-65		45
137	Basic quantitative assessment of visual performance in patients with very low vision 2010 , 51, 1255-60		55
136	Less is more: subjective detailedness depends on stimulus size. <i>Journal of Vision</i> , 2010 , 10, 2	0.4	3
135	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
134	"Cognitive" visual acuity estimation based on the event-related potential P300 component. <i>Clinical Neurophysiology</i> , 2010 , 121, 1464-1472	4.3	17
133	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

132	Advantage of binocularity in the presence of external visual noise. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2010 , 248, 535-41	3.8	5
131	ISCEV standard for clinical visual evoked potentials (2009 update). <i>Documenta Ophthalmologica</i> , 2010 , 120, 111-9	2.2	385
130	A primer on common statistical errors in clinical ophthalmology. <i>Documenta Ophthalmologica</i> , 2010 , 121, 215-22	2.2	26
129	Object perception: when our brain is impressed but we do not notice it. <i>Journal of Vision</i> , 2009 , 9, 7.1-10.4	0.4	23
128	Vergence position of rest: spontaneous variability. <i>Strabismus</i> , 2009 , 17, 143-7	1.3	2
127	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
126	Microstrabismus: Fixation point scotoma, a perimetric artefact. <i>Vision Research</i> , 2009 , 49, 575-81	2.1	4
125	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
124	Electrophysiological evaluation of retinal photoreceptor function after repeated bevacizumab injections. <i>Documenta Ophthalmologica</i> , 2009 , 118, 81-8	2.2	13
123	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
122	Can we do without mydriasis in multifocal ERG recordings?. <i>Documenta Ophthalmologica</i> , 2009 , 118, 121-22	2.2	8
121	ISCEV Standard for full-field clinical electroretinography (2008 update). <i>Documenta Ophthalmologica</i> , 2009 , 118, 69-77	2.2	710
120	Influence of narcotics on luminance and frequency modulated visual evoked potentials in rats. <i>Documenta Ophthalmologica</i> , 2009 , 118, 217-24	2.2	8
119	The mfERG response topography with scaled stimuli: effect of the stretch factor. <i>Documenta Ophthalmologica</i> , 2009 , 119, 51-8	2.2	4
118	Visual paired-pulse stimulation reveals enhanced visual cortex excitability in migraineurs. <i>European Journal of Neuroscience</i> , 2009 , 30, 714-20	3.5	35
117	Feasibility of intravitreal erythropoietin injections in humans. <i>British Journal of Ophthalmology</i> , 2009 , 93, 1667-71	5.5	22
116	Multistable perception: when bottom-up and top-down coincide. <i>Brain and Cognition</i> , 2009 , 69, 138-47	2.7	56
115	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

114	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
113	Enhanced Perception for Visually Impaired People 2009 ,		4
112	AERBUS: Enhanced perception of the environment for visually impaired people. <i>IFMBE Proceedings</i> , 2009 , 1624-1627	0.2	1
111	The prism that aligns fixation disparity does not predict the self-selected prism. <i>Ophthalmic and Physiological Optics</i> , 2008 , 28, 550-7	4.1	4
110	Oblique effects beyond low-level visual processing. <i>Vision Research</i> , 2008 , 48, 809-18	2.1	15
109	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
108	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
107	Methylprednisolone fails to preserve retinal ganglion cells and visual function after ocular ischemia in rats 2008 , 49, 5003-7		15
106	Syndromic choroideremia: sublocalization of phenotypes associated with Martin-Probst deafness mental retardation syndrome 2008 , 49, 4096-104		14
105	Update on the pattern electroretinogram in glaucoma. <i>Optometry and Vision Science</i> , 2008 , 85, 386-95	2.1	97
104	ISCEV guidelines for clinical multifocal electroretinography (2007 edition). <i>Documenta Ophthalmologica</i> , 2008 , 116, 1-11	2.2	135
103	Annular fundus autofluorescence abnormality in a case of macular dystrophy. <i>Documenta Ophthalmologica</i> , 2008 , 116, 91-5	2.2	3
102	Signal and noise in P300 recordings to visual stimuli. <i>Documenta Ophthalmologica</i> , 2008 , 117, 73-83	2.2	16
101	Temporal resolution of orientation-defined texture segregation: a VEP study. <i>Documenta Ophthalmologica</i> , 2008 , 117, 155-62	2.2	1
100	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
99	Dose-response relationship in inferior oblique muscle recession. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 593-8	3.8	7
98	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
97	Fast stimulus sequences improve the efficiency of event-related potential P300 recordings. <i>Journal of Neuroscience Methods</i> , 2008 , 174, 259-64	3	7

96	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
95	Discontinuous presentation of ambiguous figures: how interstimulus-interval durations affect reversal dynamics and ERPs. <i>Psychophysiology</i> , 2007 , 44, 552-60	4.1	52
94	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
93	ISCEV standard for clinical pattern electroretinography--2007 update. <i>Documenta Ophthalmologica</i> , 2007 , 114, 111-6	2.2	150
92	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
91	Attention and visual texture segregation. <i>Journal of Vision</i> , 2007 , 7, 6	0.4	15
90	Testing Visual Functions in Patients with Visual Prostheses 2007 , 91-110		11
89	Motion adaptation: net duration matters, not continuousness. <i>Experimental Brain Research</i> , 2006 , 169, 461-6	2.3	2
88	Latency of the mfVEP to diagnose glaucoma?. <i>British Journal of Ophthalmology</i> , 2006 , 90, 1076-7	5.5	2
87	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
86	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
85	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
84	Measuring contrast sensitivity under different lighting conditions: comparison of three tests. <i>Optometry and Vision Science</i> , 2006 , 83, 290-8	2.1	85
83	Ocular prevalence and stereoacuity. <i>Ophthalmic and Physiological Optics</i> , 2006 , 26, 50-6	4.1	7
82	The influence of luminance on the multifocal ERG. <i>Documenta Ophthalmologica</i> , 2006 , 113, 187-92	2.2	10
81	ISCEV Standard for Clinical Electro-oculography (EOG) 2006. <i>Documenta Ophthalmologica</i> , 2006 , 113, 205-12	2.2	115
80	Visual acuity and X-linked color blindness. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2006 , 244, 447-53	3.8	16
79	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

78	Electrophysiology in the Diagnosis of Glaucoma 2006 , 73-90		1
77	Vernier acuity for stereodisparate objects and ocular prevalence. <i>Vision Research</i> , 2005 , 45, 1321-8	2.1	13
76	The Necker cube--an ambiguous figure disambiguated in early visual processing. <i>Vision Research</i> , 2005 , 45, 955-60	2.1	98
75	Pattern specificity of human visual motion processing. <i>Vision Research</i> , 2005 , 45, 2137-43	2.1	13
74	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
73	Electrophysiological evidence for independent speed channels in human motion processing. <i>Journal of Vision</i> , 2004 , 4, 469-75	0.4	28
72	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
71	Direction tuning of human motion detection determined from a population model. <i>European Journal of Neuroscience</i> , 2004 , 19, 3359-64	3.5	9
70	Different effect of dioptric defocus vs. light scatter on the pattern electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2004 , 108, 99-106	2.2	24
69	Visual evoked potentials standard (2004). <i>Documenta Ophthalmologica</i> , 2004 , 108, 115-23	2.2	282
68	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
67	Texture segregation in traumatic brain injury--a VEP study. <i>Vision Research</i> , 2004 , 44, 2835-42	2.1	27
66	High-frequency oscillations in human visual cortex do not mirror retinal frequencies. <i>Neuroscience Letters</i> , 2004 , 369, 55-8	3.3	9
65	Simulated nystagmus suppresses pattern-reversal but not pattern-onset visual evoked potentials. <i>Clinical Neurophysiology</i> , 2004 , 115, 2659-65	4.3	23
64	Pattern-onset stimulation boosts central multifocal VEP responses. <i>Journal of Vision</i> , 2003 , 3, 432-9	0.4	24
63	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
62	Isolating motion responses in visual evoked potentials by preadapting flicker-sensitive mechanisms. <i>Experimental Brain Research</i> , 2003 , 151, 536-41	2.3	17
61	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

60	Adaptation characteristics of steady-state motion visual evoked potentials. <i>Clinical Neurophysiology</i> , 2003 , 114, 1359-66	4.3	34
59	Ocular prevalence versus ocular dominance. <i>Vision Research</i> , 2003 , 43, 1397-403	2.1	39
58	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
57	Interindividual variability of learning in stereoacuity. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2002 , 240, 704-9	3.8	14
56	The influence of ambient room lighting on the pattern electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2002 , 105, 281-9	2.2	11
55	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
54	Contrast adaptation: paradoxical effects when the temporal frequencies of adaptation and test differ. <i>Visual Neuroscience</i> , 2002 , 19, 421-6	1.7	10
53	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
52	Adaptation dynamics in pattern-reversal visual evoked potentials. <i>Documenta Ophthalmologica</i> , 2001 , 102, 141-56	2.2	32
51	Heterophoria measured with white, dark-grey and dark-red Maddox rods 2001 , 239, 937-40		2
50	The Freiburg Stereoacuity Test: automatic measurement of stereo threshold 2001 , 239, 562-6		19
49	Directional tuning of human motion adaptation as reflected by the motion VEP. <i>Vision Research</i> , 2001 , 41, 2187-94	2.1	58
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