

Michael Bach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8152293/publications.pdf>

Version: 2024-02-01

228
papers

14,577
citations

34076

52
h-index

27389

106
g-index

267
all docs

267
docs citations

267
times ranked

10233
citing authors

#	ARTICLE	IF	CITATIONS
1	ISCEV Standard for full-field clinical electroretinography (2015 update). Documenta Ophthalmologica, 2015, 130, 1-12.	1.0	1,103
2	ISCEV Standard for full-field clinical electroretinography (2008 update). Documenta Ophthalmologica, 2009, 118, 69-77.	1.0	867
3	The Freiburg Visual Acuity Test???Automatic Measurement of Visual Acuity. Optometry and Vision Science, 1996, 73, 49-53.	0.6	791
4	Visual Acuities "Hand Motion" and "Counting Fingers" Can Be Quantified with the Freiburg Visual Acuity Test. , 2006, 47, 1236.		727
5	ISCEV standard for clinical visual evoked potentials (2009 update). Documenta Ophthalmologica, 2010, 120, 111-119.	1.0	707
6	ISCEV standard for clinical multifocal electroretinography (mfERG) (2011 edition). Documenta Ophthalmologica, 2012, 124, 1-13.	1.0	502
7	ISCEV standard for clinical pattern electroretinography (PERG): 2012 update. Documenta Ophthalmologica, 2013, 126, 1-7.	1.0	449
8	ISCEV standard for clinical visual evoked potentials: (2016 update). Documenta Ophthalmologica, 2016, 133, 1-9.	1.0	445
9	Resolving the clinical acuity categories "hand motion" and "counting fingers" using the Freiburg Visual Acuity Test (FrACT). Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 137-142.	1.0	443
10	Visual evoked potentials standard (2004). Documenta Ophthalmologica, 2004, 108, 115-123.	1.0	319
11	The Freiburg Visual Acuity Test-Variability unchanged by post-hoc re-analysis. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 965-971.	1.0	282
12	Long-Term Plasticity of Visually Evoked Potentials in Humans is Altered in Major Depression. Biological Psychiatry, 2007, 62, 373-380.	0.7	204
13	Seeing Gray When Feeling Blue? Depression Can Be Measured in the Eye of the Diseased. Biological Psychiatry, 2010, 68, 205-208.	0.7	180
14	ISCEV guidelines for clinical multifocal electroretinography (2007 edition). Documenta Ophthalmologica, 2008, 116, 1-11.	1.0	171
15	ISCEV standard for clinical pattern electroretinography"2007 update. Documenta Ophthalmologica, 2007, 114, 111-116.	1.0	164
16	Do's and don'ts in Fourier analysis of steady-state potentials. , 1999, 99, 69-82.		162
17	Standard for pattern electroretinography. International Society for Clinical Electrophysiology of Vision. Documenta Ophthalmologica, 2000, 101, 11-18.	1.0	148
18	On the statistical significance of electrophysiological steady-state responses. , 1999, 98, 207-232.		139

#	ARTICLE	IF	CITATIONS
19	ISCEV Standard for Clinical Electro-oculography (EOG) 2006. Documenta Ophthalmologica, 2006, 113, 205-212.	1.0	135
20	Does time equal vision in the acute treatment of a cohort of AQP4 and MOG optic neuritis?. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e572.	3.1	133
21	Early neural activity in Necker-cube reversal: Evidence for low-level processing of a gestalt phenomenon. Psychophysiology, 2004, 41, 1-8.	1.2	129
22	Update on the Pattern Electroretinogram in Glaucoma. Optometry and Vision Science, 2008, 85, 386-395.	0.6	128
23	The Necker cubeâ€”an ambiguous figure disambiguated in early visual processing. Vision Research, 2005, 45, 955-960.	0.7	125
24	Ambiguous Figures â€” What Happens in the Brain When Perception Changes But Not the Stimulus. Frontiers in Human Neuroscience, 2012, 6, 51.	1.0	119
25	An accurate and linear infrared oculometer. Journal of Neuroscience Methods, 1983, 9, 9-14.	1.3	118
26	Motion adaptation governs the shape of motion-evoked cortical potentials. Vision Research, 1994, 34, 1541-1547.	0.7	116
27	ISCEV standard for clinical electro-oculography (2010 update). Documenta Ophthalmologica, 2011, 122, 1-7.	1.0	107
28	Measuring Contrast Sensitivity Under Different Lighting Conditions: Comparison of Three Tests. Optometry and Vision Science, 2006, 83, 290-298.	0.6	106
29	Guidelines for calibration of stimulus and recording parameters used in clinical electrophysiology of vision. Documenta Ophthalmologica, 2003, 107, 185-193.	1.0	104
30	ISCEV Standard for clinical electro-oculography (2017 update). Documenta Ophthalmologica, 2017, 134, 1-9.	1.0	104
31	Electrophysiological correlates of texture segregation in the human visual evoked potential. Vision Research, 1992, 32, 417-424.	0.7	102
32	Photopic Negative Response versus Pattern Electroretinogram in Early Glaucoma. , 2013, 54, 1182.		102
33	Pattern ERG as an Early Glaucoma Indicator in Ocular Hypertension: A Long-Term, Prospective Study. , 2006, 47, 4881.		97
34	Raster-scan cathode-ray tubes for vision research-limits of resolution in space, time and intensity, and some solutions. Spatial Vision, 1997, 10, 403-414.	1.4	88
35	Pattern Electroretinogram in Glaucoma Suspects: New Findings from a Longitudinal Study. , 2011, 52, 4300.		84
36	Simultaneous recording with 30 microelectrodes in monkey visual cortex. Experimental Brain Research, 1981, 41, 191-4.	0.7	82

#	ARTICLE	IF	CITATIONS
37	Visual contrast response functions in Parkinson's disease: evidence from electroretinograms, visually evoked potentials and psychophysics. <i>Clinical Neurophysiology</i> , 2000, 111, 66-74.	0.7	81
38	ISCEV standard for clinical multifocal electroretinography (mfERG) (2021 update). <i>Documenta Ophthalmologica</i> , 2021, 142, 5-16.	1.0	81
39	Contrast dependency of motion-onset and pattern-reversal VEPs: Interaction of stimulus type, recording site and response component. <i>Vision Research</i> , 1997, 37, 1845-1849.	0.7	79
40	Similar Electrophysiological Correlates of Texture Segregation Induced by Luminance, Orientation, Motion and Stereo. <i>Vision Research</i> , 1997, 37, 1409-1414.	0.7	72
41	Multistable perception: When bottom-up and top-down coincide. <i>Brain and Cognition</i> , 2009, 69, 138-147.	0.8	71
42	The abutting grating illusion. <i>Vision Research</i> , 1996, 36, 109-116.	0.7	70
43	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, 482-486.	1.9	68
44	Check-size specific changes of pattern electroretinogram in patients with early open-angle glaucoma. <i>Documenta Ophthalmologica</i> , 1988, 69, 315-322.	1.0	67
45	Bistable perception "along the processing chain from ambiguous visual input to a stable percept. <i>International Journal of Psychophysiology</i> , 2006, 62, 345-349.	0.5	67
46	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.	2.1	67
47	Directional tuning of human motion adaptation as reflected by the motion VEP. <i>Vision Research</i> , 2001, 41, 2187-2194.	0.7	65
48	Basic Quantitative Assessment of Visual Performance in Patients with Very Low Vision. , 2010, 51, 1255.		65
49	Quantification of Ischemic Damage in the Rat Retina: A Comparative Study Using Evoked Potentials, Electroretinography, and Histology. , 2008, 49, 1056.		64
50	Electrophysiology and glaucoma: current status and future challenges. <i>Cell and Tissue Research</i> , 2013, 353, 287-296.	1.5	64
51	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.	1.1	63
52	Correlated neuronal variability in monkey visual cortex revealed by a multi-microelectrode. <i>Experimental Brain Research</i> , 1986, 61, 451-6.	0.7	62
53	Pattern electroretinogram in glaucoma and ocular hypertension. <i>Documenta Ophthalmologica</i> , 1989, 73, 173-181.	1.0	60
54	Occurrence of express saccades under isoluminance and low contrast luminance conditions. <i>Visual Neuroscience</i> , 1991, 7, 505-510.	0.5	60

#	ARTICLE	IF	CITATIONS
55	Time course of motion adaptation: Motion-onset visual evoked potentials and subjective estimates. <i>Vision Research</i> , 1999, 39, 437-444.	0.7	60
56	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.	0.7	58
57	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.	1.0	58
58	VEP estimation of visual acuity: a systematic review. <i>Documenta Ophthalmologica</i> , 2021, 142, 25-74.	1.0	57
59	Ocular prevalence versus ocular dominance. <i>Vision Research</i> , 2003, 43, 1397-1403.	0.7	56
60	Discontinuous presentation of ambiguous figures: How interstimulus-interval durations affect reversal dynamics and ERPs. <i>Psychophysiology</i> , 2007, 44, 552-560.	1.2	56
61	Psychophysical measures of visual acuity in autism spectrum conditions. <i>Vision Research</i> , 2011, 51, 1778-1780.	0.7	55
62	Effect of antidepressive therapy on retinal contrast processing in depressive disorder. <i>British Journal of Psychiatry</i> , 2012, 201, 151-158.	1.7	55
63	<i>ABCA4</i> and <i>ROM1</i> : Implications for Modification of the <i>PRPH2</i> -Associated Macular Dystrophy Phenotype. , 2010, 51, 4253.		54
64	Little correlation of the pattern electroretinogram (PERG) and visual field measures in early glaucoma. <i>Documenta Ophthalmologica</i> , 1997, 94, 253-263.	1.0	51
65	Ambiguous figures and binding: EEG frequency modulations during multistable perception. <i>Psychophysiology</i> , 2011, 48, 547-558.	1.2	47
66	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.	1.1	44
67	Safety and efficacy of subretinal visual implants in humans: methodological aspects. <i>Australasian journal of optometry, The</i> , 2013, 96, 4-13.	0.6	43
68	Retrobulbar Optic Nerve Diameter Measured by High-Speed Magnetic Resonance Imaging as a Biomarker for Axonal Loss in Glaucomatous Optic Atrophy. , 2009, 50, 4223.		42
69	Visual paired-pulse stimulation reveals enhanced visual cortex excitability in migraineurs. <i>European Journal of Neuroscience</i> , 2009, 30, 714-720.	1.2	41
70	Retinal dysfunction of contrast processing in major depression also apparent in cortical activity. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 343-350.	1.8	40
71	Adaptation dynamics in pattern-reversal visual evoked potentials. <i>Documenta Ophthalmologica</i> , 2001, 102, 141-156.	1.0	39
72	Necker cube: Stimulus-related (low-level) and percept-related (high-level) EEG signatures early in occipital cortex. <i>Journal of Vision</i> , 2011, 11, 12-12.	0.1	39

#	ARTICLE	IF	CITATIONS
73	Adaptation characteristics of steady-state motion visual evoked potentials. <i>Clinical Neurophysiology</i> , 2003, 114, 1359-1366.	0.7	37
74	Visual motion detection in man is governed by non-retinal mechanisms. <i>Vision Research</i> , 2000, 40, 2379-2385.	0.7	36
75	Summation of texture segregation across orientation and spatial frequency: electrophysiological and psychophysical findings. <i>Vision Research</i> , 2000, 40, 3559-3566.	0.7	36
76	Pattern-onset stimulation boosts central multifocal VEP responses. <i>Journal of Vision</i> , 2003, 3, 4.	0.1	36
77	Object perception: When our brain is impressed but we do not notice it. <i>Journal of Vision</i> , 2009, 9, 7-7.	0.1	36
78	Retest variability and diurnal effects in the pattern electroretinogram. <i>Documenta Ophthalmologica</i> , 1996, 92, 311-323.	1.0	35
79	Impairment in preattentive visual processing in patients with Parkinson's disease. <i>Brain</i> , 1999, 122, 303-313.	3.7	35
80	Different effect of dioptric defocus vs. light scatter on the Pattern Electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2004, 108, 99-106.	1.0	34
81	Visualization of Fundus Vessel Pulsation Using Principal Component Analysis. , 2011, 52, 5457.		33
82	Marked dissociation of photopic and mesopic contrast sensitivity even in normal observers. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 373-384.	1.0	33
83	ISCEV extended protocol for VEP methods of estimation of visual acuity. <i>Documenta Ophthalmologica</i> , 2021, 142, 17-24.	1.0	33
84	Electrophysiological correlates of human texture segregation, an overview. <i>Documenta Ophthalmologica</i> , 1998, 95, 335-347.	1.0	32
85	Feasibility of intravitreal erythropoietin injections in humans. <i>British Journal of Ophthalmology</i> , 2009, 93, 1667-1671.	2.1	32
86	Frequency-domain analysis of fast oddball responses to visual stimuli: A feasibility study. <i>International Journal of Psychophysiology</i> , 2009, 73, 287-293.	0.5	32
87	Anti-aliasing and dithering in the 'Freiburg Visual Acuity Test'. <i>Spatial Vision</i> , 1997, 11, 85-89.	1.4	31
88	Texture segregation in traumatic brain injury—a VEP study. <i>Vision Research</i> , 2004, 44, 2835-2842.	0.7	31
89	Blur Unblurred—a Mini Tutorial. <i>I-Perception</i> , 2018, 9, 204166951876585.	0.8	31
90	Electrophysiological evidence for independent speed channels in human motion processing. <i>Journal of Vision</i> , 2004, 4, 6-6.	0.1	30

#	ARTICLE	IF	CITATIONS
91	A primer on common statistical errors in clinical ophthalmology. Documenta Ophthalmologica, 2010, 121, 215-222.	1.0	30
92	The Freiburg Stereoacuity Test: automatic measurement of stereo threshold. , 2001, 239, 562-566.		29
93	Contrast adaptation in retinal and cortical evoked potentials: No adaptation to low spatial frequencies. Visual Neuroscience, 2002, 19, 645-650.	0.5	28
94	Simulated nystagmus suppresses pattern-reversal but not pattern-onset visual evoked potentials. Clinical Neurophysiology, 2004, 115, 2659-2665.	0.7	28
95	Regarding "Eagle-Eyed Visual Acuity: An Experimental Investigation of Enhanced Perception in Autism" Biological Psychiatry, 2009, 66, e19-e20.	0.7	28
96	The effects of visual degradation on face discrimination. Ophthalmic and Physiological Optics, 2011, 31, 240-248.	1.0	28
97	Paired-pulse behavior of visually evoked potentials recorded in human visual cortex using patterned paired-pulse stimulation. Experimental Brain Research, 2008, 188, 427-435.	0.7	27
98	Check size tuning of the pattern electroretinogram: a reappraisal. Documenta Ophthalmologica, 1996, 92, 193-202.	1.0	26
99	Gucy2f zebrafish knockdown " a model for Gucy2d-related leber congenital amaurosis. European Journal of Human Genetics, 2012, 20, 884-889.	1.4	25
100	A Different View on the Checkerboard? Alterations in Early and Late Visually Evoked EEG Potentials in Asperger Observers. PLoS ONE, 2014, 9, e90993.	1.1	25
101	Asymmetries in preattentive line detection. Vision Research, 1994, 34, 3103-3109.	0.7	24
102	Isolation and characteristics of a steady-state visually-evoked potential in humans related to the motion of a stimulus. Vision Research, 1995, 35, 1365-1373.	0.7	24
103	The contrast characteristic of the pattern electroretinogram depends on temporal frequency. Graefe's Archive for Clinical and Experimental Ophthalmology, 1999, 237, 93-99.	1.0	24
104	Pattern electroretinogram to detect glaucoma: comparing the PERGLA and the PERG Ratio protocols. Documenta Ophthalmologica, 2013, 127, 227-238.	1.0	24
105	Contrast sensitivity with bifocal intraocular lenses is halved, as measured with the Freiburg Vision Test (FrACT), yet patients are happy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 539-544.	1.0	23
106	Retinal conduction speed analysis reveals different origins of the P50 and N95 components of the (multifocal) pattern electroretinogram. Experimental Eye Research, 2018, 169, 48-53.	1.2	23
107	Attention and visual texture segregation. Journal of Vision, 2007, 7, 6.	0.1	22
108	Elevated Background Noise in Adult Attention Deficit Hyperactivity Disorder Is Associated with Inattention. PLoS ONE, 2015, 10, e0118271.	1.1	22

#	ARTICLE	IF	CITATIONS
109	Independent systems of orientation columns in upper and lower layers of monkey visual cortex. <i>Neuroscience Letters</i> , 1982, 31, 225-230.	1.0	21
110	The distinction between eye and object motion is reflected by the motion-onset visual evoked potential. <i>Experimental Brain Research</i> , 2002, 144, 141-151.	0.7	21
111	Visual acuity and X-linked color blindness. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 244, 447-453.	1.0	21
112	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.	1.0	21
113	Ambiguity in Tactile Apparent Motion Perception. <i>PLoS ONE</i> , 2016, 11, e0152736.	1.1	21
114	Asymmetry of motion VEP in infantile strabismus and in central vestibular nystagmus. <i>Documenta Ophthalmologica</i> , 1995, 89, 373-381.	1.0	20
115	Syndromic Choroideremia: Sublocalization of Phenotypes Associated with Martin-Probst Deafness Mental Retardation Syndrome. , 2008, 49, 4096.		20
116	The dynamics of practice effects in an optotype acuity task. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1319-1326.	1.0	20
117	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.	0.9	19
118	The influence of defocus on multifocal visual evoked potentials. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2005, 243, 38-42.	1.0	19
119	â€œCognitiveâ€-visual acuity estimation based on the event-related potential P300 component. <i>Clinical Neurophysiology</i> , 2010, 121, 1464-1472.	0.7	19
120	P300 in neglect. <i>Clinical Neurophysiology</i> , 2012, 123, 496-506.	0.7	19
121	Failure of dimension analysis in a simple five-dimensional system. <i>Physical Review E</i> , 1994, 50, 1770-1780.	0.8	18
122	Signal and noise in P300 recordings to visual stimuli. <i>Documenta Ophthalmologica</i> , 2008, 117, 73-83.	1.0	18
123	Electrophysiological evaluation of retinal photoreceptor function after repeated bevacizumab injections. <i>Documenta Ophthalmologica</i> , 2009, 118, 81-88.	1.0	18
124	The effect of optotype presentation duration on acuity estimates revisited. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 389-394.	1.0	18
125	Subjective visual acuity with simulated defocus. <i>Ophthalmic and Physiological Optics</i> , 2011, 31, 625-631.	1.0	18
126	Visual evoked potential-based acuity assessment: overestimation in amblyopia. <i>Documenta Ophthalmologica</i> , 2014, 128, 191-200.	1.0	18

#	ARTICLE	IF	CITATIONS
127	Acuity VEP: improved with machine learning. <i>Documenta Ophthalmologica</i> , 2019, 139, 113-122.	1.0	18
128	Transcranial direct current stimulation induces long-term potentiation-like plasticity in the human visual cortex. <i>Translational Psychiatry</i> , 2021, 11, 17.	2.4	18
129	Retinal and cortical activity in human subjects during color flicker fusion. <i>Vision Research</i> , 1992, 32, 1219-1223.	0.7	17
130	Interindividual variability of learning in stereoacuity. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2002, 240, 704-709.	1.0	17
131	Isolating motion responses in visual evoked potentials by preadapting flicker-sensitive mechanisms. <i>Experimental Brain Research</i> , 2003, 151, 536-541.	0.7	17
132	Vernier acuity for stereodisparate objects and ocular prevalence. <i>Vision Research</i> , 2005, 45, 1321-1328.	0.7	17
133	Methylprednisolone Fails to Preserve Retinal Ganglion Cells and Visual Function after Ocular Ischemia in Rats. , 2008, 49, 5003.		17
134	Individual Differences in Scotopic Visual Acuity and Contrast Sensitivity: Genetic and Non-Genetic Influences. <i>PLoS ONE</i> , 2016, 11, e0148192.	1.1	17
135	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.	1.0	16
136	Ten-year results: detection of long-term progressive optic disc changes with confocal laser tomography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 244, 460-464.	1.0	16
137	Oblique effects beyond low-level visual processing. <i>Vision Research</i> , 2008, 48, 809-818.	0.7	16
138	Resolution acuity versus recognition acuity with Landolt-style optotypes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 2235-2241.	1.0	16
139	EEG Correlates of Perceptual Reversals in Boring's Ambiguous Old/Young Woman Stimulus. <i>Perception</i> , 2014, 43, 950-962.	0.5	16
140	Quantitative Analysis of Fundus-Image Sequences Reveals Phase of Spontaneous Venous Pulsations. <i>Translational Vision Science and Technology</i> , 2015, 4, 3.	1.1	16
141	Influence of mood on visually evoked potentials: a prospective longitudinal study. <i>International Journal of Psychophysiology</i> , 1992, 12, 147-153.	0.5	15
142	Imitating the effect of amblyopia on VEP-based acuity estimates. <i>Documenta Ophthalmologica</i> , 2016, 133, 183-187.	1.0	15
143	The influence of ambient room lighting on the pattern electroretinogram (PERG). <i>Documenta Ophthalmologica</i> , 2002, 105, 281-289.	1.0	14
144	Pattern specificity of human visual motion processing. <i>Vision Research</i> , 2005, 45, 2137-2143.	0.7	14

#	ARTICLE	IF	CITATIONS
145	Do dissociated or associated phoria predict the comfortable prism?. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 631-639.	1.0	14
146	Visual Acuity Testing: Feedback Affects Neither Outcome nor Reproducibility, but Leaves Participants Happier. PLoS ONE, 2016, 11, e0147803.	1.1	14
147	VEP-based acuity assessment in low vision. Documenta Ophthalmologica, 2017, 135, 209-218.	1.0	14
148	Testing Visual Functions in Patients with Visual Prostheses. , 2007, , 91-110.		14
149	Retinal Contrast Transfer Functions in Adults with and without ADHD. PLoS ONE, 2013, 8, e61728.	1.1	14
150	Stereoacuity versus fixation disparity as indicators for vergence accuracy under prismatic stress. Ophthalmic and Physiological Optics, 2003, 23, 43-49.	1.0	13
151	CORRELATES OF PERCEPTIVE INSTABILITIES IN EVENT-RELATED POTENTIALS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 727-736.	0.7	13
152	Heterogeneity of stimulus-specific response modification—An fMRI study on neuroplasticity. Frontiers in Human Neuroscience, 2014, 8, 695.	1.0	13
153	Assessing visual acuity across five disease types: ETDRS charts are faster with clinical outcome comparable to Landolt Cs. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1093-1099.	1.0	13
154	The influence of luminance on the multifocal ERG. Documenta Ophthalmologica, 2006, 113, 187-192.	1.0	12
155	Influence of narcotics on luminance and frequency modulated visual evoked potentials in rats. Documenta Ophthalmologica, 2009, 118, 217-224.	1.0	12
156	High-frequency oscillations in human visual cortex do not mirror retinal frequencies. Neuroscience Letters, 2004, 369, 55-58.	1.0	11
157	Can we do without mydriasis in multifocal ERG recordings?. Documenta Ophthalmologica, 2009, 118, 121-127.	1.0	11
158	Event-Related Potentials Allow for Optotype-Based Objective Acuity Estimation. , 2015, 56, 2184.		11
159	Normal Visual Acuity and Electrophysiological Contrast Gain in Adults with High-Functioning Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2015, 9, 460.	1.0	11
160	Normalization of increased retinal background noise after ADHD treatment: A neuronal correlate. Schizophrenia Research, 2020, 219, 77-83.	1.1	11
161	Heterophoria and fixation disparity: A review. Strabismus, 2000, 8, 127-134.	0.4	10
162	Contrast adaptation: Paradoxical effects when the temporal frequencies of adaptation and test differ. Visual Neuroscience, 2002, 19, 421-426.	0.5	10

#	ARTICLE	IF	CITATIONS
163	Maturation of steady-state flicker VEPs in infants: fundamental and harmonic temporal response frequencies. <i>Documenta Ophthalmologica</i> , 2009, 118, 109-119.	1.0	10
164	Optic Nerve Projections in Patients with Primary Ciliary Dyskinesia. , 2011, 52, 4617.		10
165	Can I trust in what I see? EEG evidence for a cognitive evaluation of perceptual constructs. <i>Psychophysiology</i> , 2016, 53, 1507-1523.	1.2	10
166	A case of localized retinal damage in thallium poisoning. <i>International Ophthalmology</i> , 1997, 21, 143-147.	0.6	9
167	Direction tuning of human motion detection determined from a population model. <i>European Journal of Neuroscience</i> , 2004, 19, 3359-3364.	1.2	9
168	Temporal and spatial frequencies interact in the contrast transfer function of the pattern electroretinogram. <i>Vision Research</i> , 2007, 47, 1992-1999.	0.7	9
169	Dose-response relationship in inferior oblique muscle recession. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2008, 246, 593-598.	1.0	9
170	Faces are more attractive than motion: evidence from two simultaneous oddball paradigms. <i>Documenta Ophthalmologica</i> , 2014, 128, 201-209.	1.0	9
171	Two-Factor 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.	2.7	9
172	The Discrepancy between Subjective and Objective Measures of Convergence Insufficiency in Whiplash-Associated Disorder versus Control Participants. <i>Ophthalmology</i> , 2018, 125, 924-928.	2.5	8
173	Quantification of Retrograde Axonal Transport in the Rat Optic Nerve by Fluorogold Spectrometry. <i>PLoS ONE</i> , 2012, 7, e38820.	1.1	8
174	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.	0.5	7
175	Ocular prevalence and stereoacuity ¹ . <i>Ophthalmic and Physiological Optics</i> , 2006, 26, 50-56.	1.0	7
176	Fast stimulus sequences improve the efficiency of event-related potential P300 recordings. <i>Journal of Neuroscience Methods</i> , 2008, 174, 259-264.	1.3	7
177	The prism that aligns fixation disparity does not predict the self-selected prism. <i>Ophthalmic and Physiological Optics</i> , 2008, 28, 550-557.	1.0	7
178	The mfERG response topography with scaled stimuli: effect of the stretch factor. <i>Documenta Ophthalmologica</i> , 2009, 119, 51-58.	1.0	7
179	Asthenopia, Associated Phoria, and Self-Selected Prism. <i>Strabismus</i> , 2015, 23, 51-65.	0.4	7
180	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.	1.0	7

#	ARTICLE	IF	CITATIONS
181	Rotating Snakes Illusionâ€”Quantitative Analysis Reveals a Region in Luminance Space With Opposite Illusory Rotation. <i>I-Perception</i> , 2017, 8, 204166951769177.	0.8	7
182	Habitual higher order aberrations affect Landolt but not Vernier acuity. <i>Journal of Vision</i> , 2019, 19, 11.	0.1	7
183	Determination of scotopic and photopic conventional visual acuity and hyperacuity. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 129-135.	1.0	7
184	Non-invasive electrophysiology in glaucoma, structure and functionâ€”a review. <i>Eye</i> , 2021, 35, 2374-2385.	1.1	7
185	Albino-type misrouting of the optic nerve fibers not found in dissociated vertical deviation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1992, 230, 158-161.	1.0	6
186	Annular fundus autofluorescence abnormality in a case of macular dystrophy. <i>Documenta Ophthalmologica</i> , 2008, 116, 91-95.	1.0	6
187	Advantage of binocularity in the presence of external visual noise. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 535-541.	1.0	6
188	Visual Illusions on the Internet: 15 Years of Change in Technology and User Behaviour. <i>Perception</i> , 2014, 43, 873-880.	0.5	6
189	The â€œspeedâ€”of acuity in scotopic vs. photopic vision. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 2791-2798.	1.0	6
190	Enhanced Perception for Visually Impaired People. , 2009, , .		5
191	Less is more: Subjective detailedness depends on stimulus size. <i>Journal of Vision</i> , 2010, 10, 2-2.	0.1	5
192	Relating the steady-state visual evoked potential to single-stimulus responses derived from m-sequence stimulation. <i>Documenta Ophthalmologica</i> , 2015, 131, 13-24.	1.0	5
193	Evaluation of the â€œFreiburg Acuity VEPâ€”on Commercial Equipment. <i>Documenta Ophthalmologica</i> , 2020, 140, 139-145.	1.0	5
194	Attentional Interactions Between Vision and Hearing inâ€”Event-Related Responses to Crossmodal andâ€”Conjunctâ€”Oddballs. <i>Multisensory Research</i> , 2020, 33, 251-275.	0.6	5
195	ERG shrinks by 10% when reducing dark adaptation time to 10â€”min, but only for weak flashes. <i>Documenta Ophthalmologica</i> , 2020, 141, 57-64.	1.0	5
196	A versatile simulator of evoked potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1984, 57, 97-98.	0.3	4
197	A note on luminance calibration of raster-scan cathode-ray tubes: temporal resolution, ripple, and accuracy. <i>Spatial Vision</i> , 1997, 10, 485-489.	1.4	4
198	Shift of Equiluminance in Congenital Color Vision Deficiencies: Pattern-ERG, VEP and Psychophysical Findings. <i>Vision Research</i> , 1997, 37, 821-826.	0.7	4

#	ARTICLE	IF	CITATIONS
199	Heterophoria measured with white, dark-grey and dark-red Maddox rods. , 2001, 239, 937-940.		4
200	Vergence Position of Rest: Spontaneous Variability. Strabismus, 2009, 17, 143-147.	0.4	4
201	Microstrabismus: Fixation point scotoma, a perimetric artefact. Vision Research, 2009, 49, 575-581.	0.7	4
202	Objective measurement of visual resolution using the P300 to self-facial images. Documenta Ophthalmologica, 2015, 131, 137-148.	1.0	4
203	Testâ€“retest reliability of scotopic full-field electroretinograms in rabbits. Documenta Ophthalmologica, 2017, 134, 157-165.	1.0	4
204	Latency of the mfVEP to diagnose glaucoma?. British Journal of Ophthalmology, 2006, 90, 1076-1077.	2.1	3
205	A fast automated method for calculating the EOG Arden ratio. Documenta Ophthalmologica, 2014, 128, 169-178.	1.0	3
206	Analysis of user behavior on the website of a university eye hospital in Germany. Medicine (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	3
207	On the movement of an iron particle in a magnetic field. Documenta Ophthalmologica, 1988, 68, 389-394.	1.0	2
208	Motion adaptation: net duration matters, not continuousness. Experimental Brain Research, 2006, 169, 461-466.	0.7	2
209	Electrophysiology in the Diagnosis of Glaucoma. , 2006, , 73-90.		2
210	Factor analysis of individual differences in retinal (PERG) and cortical (VEP) visual contrast responses reveals two retinal and two cortical processes in adults with and without depression.. Journal of Vision, 2015, 15, 1005.	0.1	2
211	AERBUS: Enhanced perception of the environment for visually impaired people. IFMBE Proceedings, 2009, , 1624-1627.	0.2	2
212	Replication of Reduced Pattern Electroretinogram Amplitudes in Depression With Improved Recording Parameters. Frontiers in Medicine, 2021, 8, 732222.	1.2	2
213	Quantification of the Dynamic Visual Acuity Space at Real-World Luminances and Contrasts: The VA-CAL Test. Translational Vision Science and Technology, 2022, 11, 12.	1.1	2
214	Temporal resolution of orientation-defined texture segregation: a VEP study. Documenta Ophthalmologica, 2008, 117, 155-162.	1.0	1
215	Parallactic movement beats binocularity in the presence of external visual noise. Ophthalmic and Physiological Optics, 2012, 32, 308-316.	1.0	1
216	7.3 EVALUATING THE NEUROBIOLOGICAL CORRELATES AND IMPACT OF TREATMENT ON COGNITIVE DYSFUNCTION IN ADHD AND SCHIZOPHRENIA BY MEANS OF THE PATTERN ELECTRORETINOGRAM. Schizophrenia Bulletin, 2018, 44, S11-S12.	2.3	1

#	ARTICLE	IF	CITATIONS
217	The Rotating Snakes Illusion Is a Straightforward Consequence of Nonlinearity in Arrays of Standard Motion Detectors. <i>I-Perception</i> , 2020, 11, 204166952095802.	0.8	1
218	Striking Gestalt modulates EEG gamma activity – but not in accordance with the temporal binding hypothesis. <i>Journal of Vision</i> , 2010, 2, 230-230.	0.1	1
219	Mallett unit or fully fusionable images for prisms against asthenopia?. <i>Journal of Optometry</i> , 2021, 15, 186-186.	0.7	1
220	Is the variability of electrophysiological responses to visual stimuli related to "mood"? <i>International Journal of Psychophysiology</i> , 1991, 11, 43.	0.5	0
221	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.	0.5	0
222	VEP-based acuity estimation: unaffected by translucency of contralateral occlusion. <i>Documenta Ophthalmologica</i> , 2021, 143, 249-257.	1.0	0
223	Do motion onsets affect motion adaptation?. <i>Journal of Vision</i> , 2010, 3, 536-536.	0.1	0
224	Boosting multifocal VEP responses from the central visual field with pattern onset stimulation. <i>Journal of Vision</i> , 2010, 3, 220-220.	0.1	0
225	Diagnosis of protan and deutan color vision deficiencies with pattern-ERG and VEP. <i>Documenta Ophthalmologica Proceedings Series</i> , 1995, , 375-380.	0.0	0
226	Biological motion: At what age do we recognize boys and girls?. <i>Journal of Vision</i> , 2015, 15, 492.	0.1	0
227	Measuring Hidden Electrical Sources In The Human Retina. , 2019, , .		0
228	Heterophoria and fixation disparity: A review. <i>Strabismus</i> , 2000, 8, 127-134.	0.4	0