Wolf M Harmening

List of Publications by Year
in descending order

35 papers	857 citations	566801 15 h-index	580395 25 g-index
46 all docs	46 docs citations	46 times ranked	784 citing authors

#	Article	IF	Citations
1	Supernormal foveal photoreceptor density in Alport syndrome: A case report. European Journal of Ophthalmology, 2023, 33, NP51-NP54.	0.7	2
2	Ophthalmic phenotyping: Imaging. , 2022, , 53-62.		0
3	Foveal vision. Current Biology, 2021, 31, R701-R703.	1.8	3
4	The Relationship Between Visual Sensitivity and Eccentricity, Cone Density and Outer Segment Length in the Human Foveola. , 2021, 62, 31.		10
5	Human gaze is systematically offset from the center of cone topography. Current Biology, 2021, 31, 4188-4193.e3.	1.8	21
6	Effect of cone spectral topography on chromatic detection sensitivity. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, A244.	0.8	12
7	Habitual higher order aberrations affect Landolt but not Vernier acuity. Journal of Vision, 2019, 19, 11.	0.1	7
8	Optical coherence tomography angiography (OCT-A) in an animal model of laser-induced choroidal neovascularization. Experimental Eye Research, 2019, 184, 162-171.	1.2	13
9	MINIMAL OPTICAL COHERENCE TOMOGRAPHY B-SCAN DENSITY FOR RELIABLE DETECTION OF INTRARETINAL AND SUBRETINAL FLUID IN MACULAR DISEASES. Retina, 2019, 39, 150-156.	1.0	6
10	Adaptive Optics for Photoreceptor-Targeted Psychophysics. , 2019, , 359-375.		2
11	Eye tracking-based estimation and compensation of chromatic offsets for multi-wavelength retinal microstimulation with foveal cone precision. Biomedical Optics Express, 2019, 10, 4126.	1.5	9
12	Ultra-high contrast retinal display system for single photoreceptor psychophysics. Biomedical Optics Express, 2018, 9, 157.	1.5	19
13	Test-Retest Reliability of Scotopic and Mesopic Fundus-Controlled Perimetry Using a Modified MAIA (Macular Integrity Assessment) in Normal Eyes. Ophthalmologica, 2017, 237, 42-54.	1.0	34
14	Spatiochromatic Interactions between Individual Cone Photoreceptors in the Human Retina. Journal of Neuroscience, 2017, 37, 9498-9509.	1.7	35
15	Benefits of retinal image motion at the limits of spatial vision. Journal of Vision, 2017, 17, 30.	0.1	59
16	Retinal Injury Following Laser Pointer Exposure. Deutsches Ärzteblatt International, 2017, 114, 831-837.	0.6	32
17	Effective Dynamic Range and Retest Reliability of Dark-Adapted Two-Color Fundus-Controlled Perimetry in Patients With Macular Diseases. , 2017, 58, BIO158.		40
18	Perception of Haidinger Brushes in Macular Disease Depends on Macular Pigment Density and Visual Acuity. , 2016, 57, 1448.		24

#	Article	IF	Citations
19	Functional Imaging of Cone Photoreceptors. , 2016, , 71-104.		4
20	Normal Perceptual Sensitivity Arising From Weakly Reflective Cone Photoreceptors. , 2015, 56, 4431.		61
21	Fixational eye movements improve visual performance at the sampling limit. Journal of Vision, 2015, 15, 1272.	0.1	1
22	Mapping the Perceptual Grain of the Human Retina. Journal of Neuroscience, 2014, 34, 5667-5677.	1.7	93
23	Evaluation of two minimally invasive techniques for electroencephalogram recording in wild or freely behaving animals. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 183-189.	0.7	19
24	Measuring Color Vision on a Cellular Scale in an Adaptive Optics Scanning Laser Ophthalmoscope. , 2013, , .		2
25	Night vision in barn owls: Visual acuity and contrast sensitivity under dark adaptation. Journal of Vision, 2012, 12, 4-4.	0.1	42
26	Measurement and correction of transverse chromatic offsets for multi-wavelength retinal microscopy in the living eye. Biomedical Optics Express, 2012, 3, 2066.	1.5	67
27	Measurement and Correction of Transverse Chromatic Aberration with the Adaptive Optics Scanning Laser Ophthalmoscope. , 2012, , .		0
28	Disparity sensitivity in man and owl: Psychophysical evidence for equivalent perception of shape-from-stereo. Journal of Vision, 2011, 10, 10-10.	0.1	32
29	From optics to attention: visual perception in barn owls. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 1031-1042.	0.7	27
30	Overt attention toward oriented objects in free-viewing barn owls. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8461-8466.	3.3	29
31	Spatial contrast sensitivity and grating acuity of barn owls. Journal of Vision, 2009, 9, 13-13.	0.1	57
32	A Case of Quasi-Infinite Visual Acuity and Illusory Size. Perception, 2009, 38, 781-783.	0.5	0
33	Through a barn owlâ€™s eyes: interactions between scene content and visual attention. Biological Cybernetics, 2008, 98, 115-132.	0.6	32
34	Vernier acuity in barn owls. Vision Research, 2007, 47, 1020-1026.	0.7	17
35	Ocular aberrations in barn owl eyes. Vision Research, 2007, 47, 2934-2942.	0.7	19