Wolf M Harmening

List of Publications by Year
in descending order

35	857	567281 15	580821 25
papers	citations	h-index	g-index

46	46	46	784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mapping the Perceptual Grain of the Human Retina. Journal of Neuroscience, 2014, 34, 5667-5677.	3.6	93
2	Measurement and correction of transverse chromatic offsets for multi-wavelength retinal microscopy in the living eye. Biomedical Optics Express, 2012, 3, 2066.	2.9	67
3	Normal Perceptual Sensitivity Arising From Weakly Reflective Cone Photoreceptors. , 2015, 56, 4431.		61
4	Benefits of retinal image motion at the limits of spatial vision. Journal of Vision, 2017, 17, 30.	0.3	59
5	Spatial contrast sensitivity and grating acuity of barn owls. Journal of Vision, 2009, 9, 13-13.	0.3	57
6	Night vision in barn owls: Visual acuity and contrast sensitivity under dark adaptation. Journal of Vision, 2012, 12, 4-4.	0.3	42
7	Effective Dynamic Range and Retest Reliability of Dark-Adapted Two-Color Fundus-Controlled Perimetry in Patients With Macular Diseases. , 2017, 58, BIO158.		40
8	Spatiochromatic Interactions between Individual Cone Photoreceptors in the Human Retina. Journal of Neuroscience, 2017, 37, 9498-9509.	3.6	35
9	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.	1.9	34
10	Through a barn owlâ€™s eyes: interactions between scene content and visual attention. Biological Cybernetics, 2008, 98, 115-132.	1.3	32
11	Disparity sensitivity in man and owl: Psychophysical evidence for equivalent perception of shape-from-stereo. Journal of Vision, 2011, 10, 10-10.	0.3	32
12	Retinal Injury Following Laser Pointer Exposure. Deutsches Ärzteblatt International, 2017, 114, 831-837.	0.9	32
13	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.	7.1	29
14	From optics to attention: visual perception in barn owls. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 1031-1042.	1.6	27
15	Perception of Haidinger Brushes in Macular Disease Depends on Macular Pigment Density and Visual Acuity. , 2016, 57, 1448.		24
16	Human gaze is systematically offset from the center of cone topography. Current Biology, 2021, 31, 4188-4193.e3.	3.9	21
17	Ocular aberrations in barn owl eyes. Vision Research, 2007, 47, 2934-2942.	1.4	19
18	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.	1.6	19

#	Article	IF	Citations
19	Ultra-high contrast retinal display system for single photoreceptor psychophysics. Biomedical Optics Express, 2018, 9, 157.	2.9	19
20	Vernier acuity in barn owls. Vision Research, 2007, 47, 1020-1026.	1.4	17
21	Optical coherence tomography angiography (OCT-A) in an animal model of laser-induced choroidal neovascularization. Experimental Eye Research, 2019, 184, 162-171.	2.6	13
22	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.	1.5	12
23	The Relationship Between Visual Sensitivity and Eccentricity, Cone Density and Outer Segment Length in the Human Foveola. , 2021, 62, 31.		10
24	Eye tracking-based estimation and compensation of chromatic offsets for multi-wavelength retinal microstimulation with foveal cone precision. Biomedical Optics Express, 2019, 10, 4126.	2.9	9
25	Habitual higher order aberrations affect Landolt but not Vernier acuity. Journal of Vision, 2019, 19, 11.	0.3	7
26	MINIMAL OPTICAL COHERENCE TOMOGRAPHY B-SCAN DENSITY FOR RELIABLE DETECTION OF INTRARETINAL AND SUBRETINAL FLUID IN MACULAR DISEASES. Retina, 2019, 39, 150-156.	1.7	6
27	Functional Imaging of Cone Photoreceptors. , 2016, , 71-104.		4
28	Foveal vision. Current Biology, 2021, 31, R701-R703.	3.9	3
29	Adaptive Optics for Photoreceptor-Targeted Psychophysics. , 2019, , 359-375.		2
30	Measuring Color Vision on a Cellular Scale in an Adaptive Optics Scanning Laser Ophthalmoscope. , 2013, , .		2
31	Supernormal foveal photoreceptor density in Alport syndrome: A case report. European Journal of Ophthalmology, 2023, 33, NP51-NP54.	1.3	2
32	Fixational eye movements improve visual performance at the sampling limit. Journal of Vision, 2015, 15, 1272.	0.3	1
33	A Case of Quasi-Infinite Visual Acuity and Illusory Size. Perception, 2009, 38, 781-783.	1.2	0
34	Measurement and Correction of Transverse Chromatic Aberration with the Adaptive Optics Scanning Laser Ophthalmoscope. , 2012, , .		0
35	Ophthalmic phenotyping: Imaging. , 2022, , 53-62.		0