

William H Swanson

List of Publications by Citations

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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.

48
papers

1,473
citations

20
h-index

38
g-index

49
ext. papers

1,643
ext. citations

2.5
avg, IF

4.7
L-index

#	Paper	IF	Citations
48	Temporal modulation sensitivity and pulse-detection thresholds for chromatic and luminance perturbations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1987 , 4, 1992-2005	1.8	191
47	Structure-function relationship in glaucoma: past thinking and current concepts. <i>Clinical and Experimental Ophthalmology</i> , 2012 , 40, 369-80	2.4	126
46	Perimetric defects and ganglion cell damage: interpreting linear relations using a two-stage neural model. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 466-72		124
45	Assessment of the reliability of standard automated perimetry in regions of glaucomatous damage. <i>Ophthalmology</i> , 2014 , 121, 1359-69	7.3	115
44	An examination of physiological mechanisms underlying the frequency-doubling illusion. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 3590-9		93
43	Extracting thresholds from noisy psychophysical data. <i>Perception & Psychophysics</i> , 1992 , 51, 409-22		78
42	Responses of primate retinal ganglion cells to perimetric stimuli 2011 , 52, 764-71		68
41	The Effect of Limiting the Range of Perimetric Sensitivities on Pointwise Assessment of Visual Field Progression in Glaucoma 2016 , 57, 288-94		49
40	Variability of visual field measurements is correlated with the gradient of visual sensitivity. <i>Vision Research</i> , 2007 , 47, 925-36	2.1	46
39	Development and evaluation of a contrast sensitivity perimetry test for patients with glaucoma 2008 , 49, 3049-57		43
38	Assessment of contrast gain signature in inferred magnocellular and parvocellular pathways in patients with glaucoma. <i>Vision Research</i> , 2008 , 48, 2633-41	2.1	41
37	Linearity can account for the similarity among conventional, frequency-doubling, and gabor-based perimetric tests in the glaucomatous macula. <i>Optometry and Vision Science</i> , 2006 , 83, 455-65	2.1	33
36	Chromatic and achromatic defects in patients with progressing glaucoma. <i>Vision Research</i> , 2001 , 41, 1215-27		32
35	The Effect of Stimulus Size on the Reliable Stimulus Range of Perimetry. <i>Translational Vision Science and Technology</i> , 2015 , 4, 10	3.3	31
34	The visualFields package: a tool for analysis and visualization of visual fields. <i>Journal of Vision</i> , 2013 , 13,	0.4	30
33	A cortical pooling model of spatial summation for perimetric stimuli. <i>Journal of Vision</i> , 2006 , 6, 1159-71	0.4	30
32	Contrast sensitivity perimetry and clinical measures of glaucomatous damage. <i>Optometry and Vision Science</i> , 2014 , 91, 1302-11	2.1	27

31	Imaging Glaucomatous Damage Across the Temporal Raphe 2015 , 56, 3496-504		24
30	Evaluation of a two-stage neural model of glaucomatous defect: an approach to reduce test-retest variability. <i>Optometry and Vision Science</i> , 2006 , 83, 499-511	2.1	23
29	Chromatic temporal integration and retinal eccentricity: psychophysics, neurometric analysis and cortical pooling. <i>Vision Research</i> , 2008 , 48, 2657-62	2.1	20
28	Estimation of spatial scale across the visual field using sinusoidal stimuli 2012 , 53, 633-9		17
27	Between-Subject Variability in Healthy Eyes as a Primary Source of Structural-Functional Discordance in Patients With Glaucoma 2016 , 57, 502-7		17
26	Evaluating glaucomatous abnormality in peripapillary optical coherence tomography enface visualisation of the retinal nerve fibre layer reflectance. <i>Ophthalmic and Physiological Optics</i> , 2018 , 38, 376-388	4.1	16
25	Assessing assumptions of a combined structure-function index. <i>Ophthalmic and Physiological Optics</i> , 2015 , 35, 186-93	4.1	15
24	Customizing Perimetric Locations Based on En Face Images of Retinal Nerve Fiber Bundles With Glaucomatous Damage. <i>Translational Vision Science and Technology</i> , 2018 , 7, 5	3.3	15
23	Choice of Stimulus Range and Size Can Reduce Test-Retest Variability in Glaucomatous Visual Field Defects. <i>Translational Vision Science and Technology</i> , 2014 , 3, 6	3.3	14
22	Assessment of linear-scale indices for perimetry in terms of progression in early glaucoma. <i>Vision Research</i> , 2011 , 51, 1801-10	2.1	14
21	A basis for customising perimetric locations within the macula in glaucoma. <i>Ophthalmic and Physiological Optics</i> , 2018 , 38, 164-173	4.1	13
20	Novel Technique for Quantifying Retinal Nerve Fiber Bundle Abnormality in the Temporal Raphe. <i>Optometry and Vision Science</i> , 2018 , 95, 309-317	2.1	13
19	Blur-resistant perimetric stimuli. <i>Optometry and Vision Science</i> , 2013 , 90, 466-74	2.1	12
18	Retinal putative glial alterations: implication for glaucoma care. <i>Ophthalmic and Physiological Optics</i> , 2018 , 38, 56-65	4.1	12
17	Choice of statistical method influences apparent association between structure and function in glaucoma 2013 , 54, 4189-96		11
16	Chromatic contrast sensitivity: the role of absolute threshold and gain constant in differences between the fovea and the periphery. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000 , 17, 232-43	1.8	10
15	Comparison of defect depths for sinusoidal and circular perimetric stimuli in patients with glaucoma. <i>Ophthalmic and Physiological Optics</i> , 2019 , 39, 26-36	4.1	9
14	Assessing spatial and temporal properties of perimetric stimuli for resistance to clinical variations in retinal illumination 2014 , 55, 353-9		9

13	Between-subject variability in asymmetry analysis of macular thickness. <i>Optometry and Vision Science</i> , 2014 , 91, 484-90	2.1	9
12	Using perimetric data to estimate ganglion cell loss for detecting progression of glaucoma: a comparison of models. <i>Ophthalmic and Physiological Optics</i> , 2017 , 37, 409-419	4.1	8
11	Within-subject variability in human retinal nerve fiber bundle width. <i>PLoS ONE</i> , 2019 , 14, e0223350	3.7	7
10	Individual differences in the shape of the nasal visual field. <i>Vision Research</i> , 2017 , 141, 23-29	2.1	6
9	Author Response: Frequency-Doubling Technology and Parasol Cells 2011 , 52, 3759		5
8	A novel strategy for the estimation of the general height of the visual field in patients with glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2014 , 252, 801-9	3.8	4
7	Stimulus size for perimetry in patients with glaucoma 2013 , 54,		4
6	Using Small Samples to Evaluate Normative Reference Ranges for Retinal Imaging Measures. <i>Optometry and Vision Science</i> , 2019 , 96, 146-155	2.1	4
5	Assessing the Impact of En Face Retinal Nerve Fiber Layer Imaging on Clinical Decision Making for Glaucoma Suspects. <i>Optometry and Vision Science</i> , 2020 , 97, 54-61	2.1	2
4	Interpreting Retinal Nerve Fiber Layer Reflectance Defects Based on Presence of Retinal Nerve Fiber Bundles. <i>Optometry and Vision Science</i> , 2021 , 98, 531-541	2.1	1
3	Contrast sensitivity perimetry data from adults free of eye disease. <i>Data in Brief</i> , 2016 , 8, 654-8	1.2	1
2	Functional characteristics of glaucoma related arcuate defects seen on OCT en face visualisation of the retinal nerve fibre layer. <i>Ophthalmic and Physiological Optics</i> , 2021 , 41, 437-446	4.1	1
1	A Novel Stimulus to Improve Perimetric Sampling within the Macula in Patients with Glaucoma. <i>Optometry and Vision Science</i> , 2021 , 98, 374-383	2.1	