

# William H Seiple

## 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.

94  
papers

2,572  
citations

30  
h-index

47  
g-index

95  
ext. papers

2,777  
ext. citations

2.8  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
94	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to See More, Farther and Faster. <i>IEEE Access</i> , <b>2022</b> , 10, 29612-29632	3.5	2
93	Activation in individuals with vision loss. <i>Journal of Health Psychology</i> , <b>2021</b> , 26, 2603-2612	3.1	3
92	Reduced Mammography Screening for Breast Cancer among Women with Visual Impairment. <i>Ophthalmology</i> , <b>2021</b> , 128, 317-323	7.3	2
91	The Relationship Between Cognitive Status and Known Single Nucleotide Polymorphisms in Age-Related Macular Degeneration. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 586691	5.3	
90	Decreasing Avoidable Vision Loss: Identifying Antecedents of Adherence. <i>Clinical Ophthalmology</i> , <b>2020</b> , 14, 3735-3739	2.5	1
89	Outcomes After Comprehensive Vision Rehabilitation Using Vision-related Quality of Life Questionnaires: Impact of Vision Impairment and National Eye Institute Visual Functioning Questionnaire. <i>Optometry and Vision Science</i> , <b>2019</b> , 96, 87-94	2.1	7
88	Effects of Lighting on Reading Speed as a Function of Letter Size. <i>American Journal of Occupational Therapy</i> , <b>2018</b> , 72, 7202345020p1-7202345020p7	0.4	7
87	Performance of Real-world Functional Tasks Using an Updated Oral Electronic Vision Device in Persons Blinded by Trauma. <i>Optometry and Vision Science</i> , <b>2018</b> , 95, 766-773	2.1	2
86	Test-retest Variability of a Standardized Low Vision Lighting Assessment. <i>Optometry and Vision Science</i> , <b>2018</b> , 95, 852-858	2.1	7
85	Comparisons of Two Microperimeters: The Clinical Value of an Extended Stimulus Range. <i>Optometry and Vision Science</i> , <b>2018</b> , 95, 663-671	2.1	3
84	Current Practice in Low Vision Rehabilitation of Age-related Macular Degeneration and Usefulness of Virtual Reality as a Rehabilitation Tool. <i>Journal of Aging Science</i> , <b>2018</b> ,	0	1
83	Stargardt Macular Dystrophy: Changes in Fixation When Asked to Look Straight Ahead. <i>Ophthalmology Retina</i> , <b>2017</b> , 1, 524-530	3.8	1
82	The Functional Performance of the BrainPort V100 Device in Persons who Are Profoundly Blind. <i>Journal of Visual Impairment and Blindness</i> , <b>2016</b> , 110, 77-88	0.7	25
81	Ophthalmologic Baseline Characteristics and 2-Year Ophthalmologic Safety Profile of Pramipexole IR Compared with Ropinirole IR in Patients with Early Parkinson's Disease. <i>Parkinsons Disease</i> , <b>2016</b> , 2016, 8298503	2.6	2
80	Mobile Crowd Assisted Navigation for the Visually Impaired <b>2015</b> ,		5
79	Abnormal fixation in individuals with age-related macular degeneration when viewing an image of a face. <i>Optometry and Vision Science</i> , <b>2013</b> , 90, 45-56	2.1	32
78	Microperimetry: a review of fundus related perimetry. <i>Optometry Reports</i> , <b>2012</b> , 2, 2		11

77	The physics and psychophysics of microperimetry. <i>Optometry and Vision Science</i> , <b>2012</b> , 89, 1182-91	2.1	12
76	Reading rehabilitation of individuals with AMD: relative effectiveness of training approaches <b>2011</b> , 52, 2938-44		61
75	Inner segment-outer segment junctional layer integrity and corresponding retinal sensitivity in dry and wet forms of age-related macular degeneration. <i>Retina</i> , <b>2011</b> , 31, 364-70	3.6	107
74	Clinical value, normative retinal sensitivity values, and intrasession repeatability using a combined spectral domain optical coherence tomography/scanning laser ophthalmoscope microperimeter. <i>Eye</i> , <b>2011</b> , 25, 245-51	4.4	39
73	Effect of depression on actual and perceived effects of reading rehabilitation for people with central vision loss. <i>Journal of Rehabilitation Research and Development</i> , <b>2011</b> , 48, 1101-8		15
72	A comparison between microperimetry and standard achromatic perimetry of the central visual field in eyes with glaucomatous paracentral visual-field defects. <i>British Journal of Ophthalmology</i> , <b>2010</b> , 94, 64-7	5.5	53
71	Combined three-dimensional spectral OCT/SLO topography and Microperimetry: steps toward achieving functional spectral OCT/SLO. <i>Ophthalmic Research</i> , <b>2010</b> , 43, 92-8	2.9	38
70	Detection of mosaic retinal dysfunction in choroideremia carriers electroretinographic and psychophysical testing. <i>Ophthalmology</i> , <b>2008</b> , 115, 723-9	7.3	24
69	Macular structure and vision of patients with macular heterotopia secondary to retinopathy of prematurity. <i>Retina</i> , <b>2008</b> , 28, 1111-6	3.6	14
68	Preferred retinal locus in macular disease: characteristics and clinical implications. <i>Retina</i> , <b>2008</b> , 28, 1234-40	3.4	52
67	Eccentricity-dependent changes in local onset and offset responses in patients with progressive cone dystrophy. <i>Vision Research</i> , <b>2007</b> , 47, 2297-304	2.1	
66	Multifocal ERG findings in carriers of X-linked retinoschisis. <i>Documenta Ophthalmologica</i> , <b>2007</b> , 114, 21-62	2.2	26
65	Scotopic sensitivity and color vision with a blue-light-absorbing intraocular lens. <i>Journal of Cataract and Refractive Surgery</i> , <b>2007</b> , 33, 667-72	2.3	38
64	Retinal dysfunction in carriers of bardet-biedl syndrome. <i>Ophthalmic Genetics</i> , <b>2007</b> , 28, 163-8	1.2	16
63	Perifoveal function in patients with North Carolina macular dystrophy: the importance of accounting for fixation locus. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 1703-9		10
62	The multifocal visual evoked potential: an objective measure of visual fields?. <i>Vision Research</i> , <b>2005</b> , 45, 1155-63	2.1	11
61	Chapter 15 Acquired retinopathies. <i>Handbook of Clinical Neurophysiology</i> , <b>2005</b> , 295-327		
60	Comprehensive functional vision assessment of patients with North Carolina macular dystrophy (MCDR1). <i>Retina</i> , <b>2005</b> , 25, 489-97	3.6	11

59	Driving performance of glaucoma patients correlates with peripheral visual field loss. <i>Journal of Glaucoma</i> , <b>2005</b> , 14, 145-50	2.1	97
58	Use of prisms for navigation and driving in hemianopic patients. <i>Ophthalmic and Physiological Optics</i> , <b>2005</b> , 25, 128-35	4.1	50
57	Assessing responses of the macula in patients with macular holes using a new system measuring localized visual acuity and the mfERG. <i>Documenta Ophthalmologica</i> , <b>2005</b> , 110, 181-91	2.2	6
56	Eye-movement training for reading in patients with age-related macular degeneration. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2886-96		90
55	Contrast response properties of magnocellular and parvocellular pathways in retinitis pigmentosa assessed by the visual evoked potential. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2967-73		26
54	Rod and cone photoreceptor function in patients with cone dystrophy. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 275-81		15
53	Test-retest reliability of the multifocal electroretinogram and humphrey visual fields in patients with retinitis pigmentosa. <i>Documenta Ophthalmologica</i> , <b>2004</b> , 109, 255-72	2.2	42
52	Atypical multifocal ERG responses in patients with diseases affecting the photoreceptors. <i>Vision Research</i> , <b>2004</b> , 44, 2867-74	2.1	28
51	Multidimensional visual field maps: relationships among local psychophysical and local electrophysiological measures. <i>Journal of Rehabilitation Research and Development</i> , <b>2004</b> , 41, 359-72		13
50	The effect of variably tinted spectacle lenses on visual performance in cataract subjects. <i>Eye and Contact Lens</i> , <b>2003</b> , 29, 17-20	3.2	7
49	Multifocal electroretinography as a function of age: the importance of normative values for older adults. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 1783-92		41
48	A method for comparing psychophysical and multifocal electroretinographic increment thresholds. <i>Vision Research</i> , <b>2002</b> , 42, 257-69	2.1	12
47	The spatial distribution of selective attention assessed using the multifocal visual evoked potential. <i>Vision Research</i> , <b>2002</b> , 42, 1513-21	2.1	23
46	Detection using the multifocal electroretinogram of mosaic retinal dysfunction in carriers of X-linked retinitis pigmentosa. <i>Ophthalmology</i> , <b>2002</b> , 109, 560-8	7.3	44
45	Localized retinal dysfunction in central serous chorioretinopathy as measured using the multifocal electroretinogram. <i>Ophthalmology</i> , <b>2002</b> , 109, 1243-50	7.3	30
44	Local cone and rod system function in progressive cone dystrophy. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 2364-73		17
43	Duration thresholds for target detection and identification in the peripheral visual field. <i>Optometry and Vision Science</i> , <b>2001</b> , 78, 169-76	2.1	9
42	Lateral spread of adaptation as measured with the multifocal electroretinogram. <i>Visual Neuroscience</i> , <b>2001</b> , 18, 687-94	1.7	2

41	Perceived and actual performance of daily tasks: relationship to visual function tests in individuals with retinitis pigmentosa. <i>Ophthalmology</i> , <b>2001</b> , 108, 65-75	7.3	96
40	Electrophysiologic assessment of photoreceptor function in patients with primary open-angle glaucoma. <i>Journal of Glaucoma</i> , <b>2000</b> , 9, 163-8	2.1	41
39	Psychological Profiles of Patients with Central Vision Loss. <i>Journal of Visual Impairment and Blindness</i> , <b>2000</b> , 94, 781-786	0.7	7
38	Identifying inner retinal contributions to the human multifocal ERG. <i>Vision Research</i> , <b>1999</b> , 39, 2285-91	2.1	91
37	Assessment of local retinal function in patients with retinitis pigmentosa using the multi-focal ERG technique. <i>Vision Research</i> , <b>1998</b> , 38, 163-79	2.1	100
36	Use of bioptic amorphic lenses to expand the visual field in patients with peripheral loss. <i>Optometry and Vision Science</i> , <b>1998</b> , 75, 518-24	2.1	27
35	A comparison of the components of the multifocal and full-field ERGs. <i>Visual Neuroscience</i> , <b>1997</b> , 14, 533-44	1.7	169
34	Relative effects of aging and age-related macular degeneration on peripheral visual function. <i>Optometry and Vision Science</i> , <b>1997</b> , 74, 152-9	2.1	29
33	Rates of change differ among measures of visual function in patients with retinitis pigmentosa. <i>Ophthalmology</i> , <b>1996</b> , 103, 398-405	7.3	80
32	Age-related functional field losses are not eccentricity dependent. <i>Vision Research</i> , <b>1996</b> , 36, 1859-66	2.1	51
31	Comparison of visual evoked potential and psychophysical contrast sensitivity. <i>International Journal of Neuroscience</i> , <b>1995</b> , 80, 173-80	2	3
30	Symmetry discrimination in patients with retinitis pigmentosa. <i>Vision Research</i> , <b>1995</b> , 35, 1633-40	2.1	15
29	The effects of random element loss on letter identification: implications for visual acuity loss in patients with retinitis pigmentosa. <i>Vision Research</i> , <b>1995</b> , 35, 2057-66	2.1	23
28	Relative effects of age and compromised vision on driving performance. <i>Human Factors</i> , <b>1995</b> , 37, 430-63.8		72
27	The 'OFF' response of the human electroretinogram does not contribute to the brief flash 'b-wave'. <i>Visual Neuroscience</i> , <b>1994</b> , 11, 667-73	1.7	20
26	The effects of dopamine blockade on the human flash electroretinogram. <i>Documenta Ophthalmologica</i> , <b>1994</b> , 86, 1-10	2.2	34
25	Visual evoked potentials following abrupt contrast changes. <i>Vision Research</i> , <b>1994</b> , 34, 2813-21	2.1	10
24	Effects of age and hemianopic visual field loss on driving. <i>Optometry and Vision Science</i> , <b>1993</b> , 70, 1031-72.1		58

23	Electro-oculogram changes in patients with ocular hypertension and primary open-angle glaucoma. <i>Documenta Ophthalmologica</i> , <b>1993</b> , 83, 103-10	2.2	9
22	Comparison of P100 and P300 cortical potentials in spatial frequency discrimination. <i>Documenta Ophthalmologica</i> , <b>1993</b> , 85, 173-83	2.2	2
21	Maculopathy caused by intra-arterially administered cisplatin and intravenously administered carmustine. <i>American Journal of Ophthalmology</i> , <b>1992</b> , 113, 435-8	4.9	32
20	Human VEP contrast modulation sensitivity: separation of magno- and parvocellular components. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1992</b> , 84, 1-12		17
19	Temporal frequency dependent adaptation at the level of the outer retina in humans. <i>Vision Research</i> , <b>1992</b> , 32, 2043-8	2.1	30
18	Losses of temporal modulation sensitivity in retinal degenerations. <i>British Journal of Ophthalmology</i> , <b>1989</b> , 73, 440-7	5.5	8
17	The clinical utility of visual-evoked potential acuity testing. <i>American Journal of Ophthalmology</i> , <b>1989</b> , 108, 572-7	4.9	37
16	An examination of VEP response phase. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1989</b> , 73, 520-31		14
15	Changes in the focal electroretinogram with retinal eccentricity. <i>Documenta Ophthalmologica</i> , <b>1988</b> , 70, 29-36	2.2	8
14	Variability of the pattern electroretinogram. <i>Documenta Ophthalmologica</i> , <b>1988</b> , 70, 103-15	2.2	30
13	Evoked potential assessment of cortical adaptation. <i>Applied Optics</i> , <b>1988</b> , 27, 1089-93	1.7	4
12	Cone function in congenital nyctalopia. <i>Documenta Ophthalmologica</i> , <b>1987</b> , 65, 307-18	2.2	7
11	Rod influence on thresholds using different detection criteria during dark adaptation. <i>Acta Psychologica</i> , <b>1987</b> , 64, 261-70	1.7	7
10	HATCHING RHYTHMS OF FIDDLER CRABS AND ASSOCIATED SPECIES AT BEAUFORT, NORTH CAROLINA. <i>Journal of Crustacean Biology</i> , <b>1986</b> , 6, 24-36	0.8	21
9	Objective assessment of temporal modulation transfer functions using the focal ERG. <i>Optometry and Vision Science</i> , <b>1986</b> , 63, 1-6	2.1	8
8	Hatching Rhythms of Fiddler Crabs and Associated Species at Beaufort, North Carolina. <i>Journal of Crustacean Biology</i> , <b>1986</b> , 6, 24	0.8	29
7	Spatiotemporal conditions which elicit or abolish the oblique effect in man: direct measurement with swept evoked potential. <i>Vision Research</i> , <b>1984</b> , 24, 579-86	2.1	18
6	Electrophysiological confirmation of orientation-specific contrast losses in multiple sclerosis. <i>Annals of the New York Academy of Sciences</i> , <b>1984</b> , 436, 487-91	6.5	4

5	The pattern electroretinogram in optic nerve disease. <i>Ophthalmology</i> , <b>1983</b> , 90, 1127-32	7.3	36
4	Comparative social behavior of two grapsid crabs, <i>Sesarma reticulatum</i> (Say) and <i>S. cinereum</i> (Bosc). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1982</b> , 62, 1-24	2.1	59
3	The Ecological Significance of the Locomotor Activity Rhythms of <i>Sesarma Cinereum</i> (Bosc) and <i>Sesarma Reticula Tum</i> (Say) (Decapoda, Grapsidae). <i>Crustaceana</i> , <b>1981</b> , 40, 5-15	0.4	13
2	Binocular summation and suppression: visually evoked cortical responses to dichoptically presented patterns of different spatial frequencies. <i>Vision Research</i> , <b>1974</b> , 14, 1169-80	2.1	17
1	Binocular summation of visually evoked responses to pattern stimuli in humans. <i>Vision Research</i> , <b>1973</b> , 13, 1433-46	2.1	38