William H Seiple

List of Publications by Year
in descending order

95 papers	2,983 citations	136740 32 h-index	197535 49 g-index
95 all docs	95 docs citations	95 times ranked	2228 citing authors

#	Article	IF	Citations
1	A comparison of the components of the multifocal and full-field ERGs. Visual Neuroscience, 1997, 14, 533-544.	0.5	186
2	INNER SEGMENTâ€“OUTER SEGMENT JUNCTIONAL LAYER INTEGRITY AND CORRESPONDING RETINAL SENSITIVITY IN DRY AND WET FORMS OF AGE-RELATED MACULAR DEGENERATION. Retina, 2011, 31, 364-370.	1.0	121
3	Assessment of local retinal function in patients with retinitis pigmentosa using the multi-focal ERG technique. Vision Research, 1998, 38, 163-179.	0.7	117
4	Driving Performance of Glaucoma Patients Correlates With Peripheral Visual Field Loss. Journal of Glaucoma, 2005, 14, 145-150.	0.8	108
5	Perceived and actual performance of daily tasks: relationship to visual function tests in individuals with retinitis pigmentosa11The authors have no proprietary interest in this study.. Ophthalmology, 2001, 108, 65-75.	2.5	107
6	Eye-Movement Training for Reading in Patients with Age-Related Macular Degeneration. , 2005, 46, 2886.		106
7	Identifying inner retinal contributions to the human multifocal ERG. Vision Research, 1999, 39, 2285-2291.	0.7	101
8	Rates of Change Differ among Measures of Visual Function in Patients with Retinitis Pigmentosa. Ophthalmology, 1996, 103, 398-405.	2.5	91
9	SHORT NOTE Relative Effects of Age and Compromised Vision on Driving Performance. Human Factors, 1995, 37, 430-436.	2.1	85
10	Reading Rehabilitation of Individuals with AMD: Relative Effectiveness of Training Approaches. , 2011, 52, 2938.		74
11	Effects of Age and Hemianopic Visual Field Loss on Driving. Optometry and Vision Science, 1993, 70, 1031-1037.	0.6	65
12	A comparison between microperimetry and standard achromatic perimetry of the central visual field in eyes with glaucomatous paracentral visual-field defects. British Journal of Ophthalmology, 2010, 94, 64-67.	2.1	65
13	Comparative social behavior of two grapsid crabs, Sesarma reticulatum (Say) and S. cinereum (Bosc). Journal of Experimental Marine Biology and Ecology, 1982, 62, 1-24.	0.7	63
14	PREFERRED RETINAL LOCUS IN MACULAR DISEASE. Retina, 2008, 28, 1234-1240.	1.0	61
15	Use of prisms for navigation and driving in hemianopic patients. Ophthalmic and Physiological Optics, 2005, 25, 128-135.	1.0	56
16	Age-related functional field losses are not eccentricity dependent. Vision Research, 1996, 36, 1859-1866.	0.7	54
17	Detection using the multifocal electroretinogram of mosaic retinal dysfunction in carriers of X-linked retinitis pigmentosa. Ophthalmology, 2002, 109, 560-568.	2.5	47
18	Clinical value, normative retinal sensitivity values, and intrasession repeatability using a combined spectral domain optical coherence tomography/scanning laser ophthalmoscope microperimeter. Eye, 2011, 25, 245-251.	1.1	47

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19	Electrophysiologic Assessment of Photoreceptor Function in Patients With Primary Open-angle Glaucoma. Journal of Glaucoma, 2000, 9, 163-168.	0.8	46
20	Test?retest reliability of the multifocal electroretinogram and Humphrey visual fields in patients with retinitis pigmentosa. Documenta Ophthalmologica, 2004, 109, 255-272.	1.0	46
21	Abnormal Fixation in Individuals With Age-Related Macular Degeneration When Viewing an Image of a Face. Optometry and Vision Science, 2013, 90, 45-56.	0.6	45
22	Multifocal Electroretinography as a Function of Age: The Importance of Normative Values for Older Adults. , 2003, 44, 1783.		44
23	Binocular summation of visually evoked responses to pattern stimuli in humans. Vision Research, 1973, 13, 1433-1446.	0.7	42
24	Scotopic sensitivity and color vision with a blue-light-absorbing intraocular lens. Journal of Cataract and Refractive Surgery, 2007, 33, 667-672.	0.7	42
25	Combined Three-Dimensional Spectral OCT/SLO Topography and Microperimetry: Steps toward Achieving Functional Spectral OCT/SLO. Ophthalmic Research, 2010, 43, 92-98.	1.0	42
26	Hatching Rhythms of Fiddler Crabs and Associated Species at Beaufort, North Carolina. Journal of Crustacean Biology, 1986, 6, 24.	0.3	41
27	The Clinical Utility of Visual-Evoked Potential Acuity Testing. American Journal of Ophthalmology, 1989, 108, 572-577.	1.7	41
28	The effects of dopamine blockade on the human flash electroretinogram. Documenta Ophthalmologica, 1994, 86, 1-10.	1.0	41
29	Maculopathy Caused by Intra-arterially Administered Cisplatin and Intravenously Administered Carmustine. American Journal of Ophthalmology, 1992, 113, 435-438.	1.7	40
30	The Pattern Electroretinogram in Optic Nerve Disease. Ophthalmology, 1983, 90, 1127-1132.	2.5	38
31	Multifocal ERG findings in carriers of X-linked retinoschisis. Documenta Ophthalmologica, 2007, 114, 21-26.	1.0	38
32	Relative Effects of Aging and Age-Related Macular Degeneration on Peripheral Visual Function. Optometry and Vision Science, 1997, 74, 152-159.	0.6	35
33	Variability of the pattern electroretinogram. Documenta Ophthalmologica, 1988, 70, 103-115.	1.0	34
34	Localized retinal dysfunction in central serous chorioretinopathy as measured using the multifocal electroretinogram. Ophthalmology, 2002, 109, 1243-1250.	2.5	34
35	Temporal frequency dependent adaptation at the level of the outer retina in humans. Vision Research, 1992, 32, 2043-2048.	0.7	33
36	Use of Bioptic Amorphic Lenses to Expand the Visual Field in Patients with Peripheral Loss. Optometry and Vision Science, 1998, 75, 518-524.	0.6	33

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37	The Functional Performance of the BrainPort V100 Device in Persons who Are Profoundly Blind. Journal of Visual Impairment and Blindness, 2016, 110, 77-88.	0.4	32
38	Atypical multifocal ERG responses in patients with diseases affecting the photoreceptors. Vision Research, 2004, 44, 2867-2874.	0.7	31
39	Detection of Mosaic Retinal Dysfunction in Choroideremia Carriers Electroretinographic and Psychophysical Testing. Ophthalmology, 2008, 115, 723-729.	2.5	31
40	Contrast Response Properties of Magnocellular and Parvocellular Pathways in Retinitis Pigmentosa Assessed by the Visual Evoked Potential. , 2005, 46, 2967.		30
41	The effects of random element loss on letter identification: Implications for visual acuity loss in patients with retinitis pigmentosa. Vision Research, 1995, 35, 2057-2066.	0.7	26
42	The spatial distribution of selective attention assessed using the multifocal visual evoked potential. Vision Research, 2002, 42, 1513-1521.	0.7	25
43	HATCHING RHYTHMS OF FIDDLER CRABS AND ASSOCIATED SPECIES AT BEAUFORT, NORTH CAROLINA. Journal of Crustacean Biology, 1986, 6, 24-36.	0.3	22
44	The â€˜OFFâ€™ response of the human electroretinogram does not contribute to the brief flash â€˜ bâ€“waveâ€™ Visual Neuroscience, 1994, 11, 667-673.	0.5	21
45	Effect of depression on actual and perceived effects of reading rehabilitation for people with central vision loss. Journal of Rehabilitation Research and Development, 2011, 48, 1101.	1.6	21
46	Human VEP contrast modulation sensitivity: separation of magno- and parvocellular components. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1992, 84, 1-12.	2.0	20
47	Binocular summation and suppression: Visually evoked cortical responses to dichoptically presented patterns of different spatial frequencies. Vision Research, 1974, 14, 1169-1180.	0.7	19
48	Spatiotemporal conditions which elicit or abolish the oblique effect in man: Direct measurement with swept evoked potential. Vision Research, 1984, 24, 579-586.	0.7	18
49	MACULAR STRUCTURE AND VISION OF PATIENTS WITH MACULAR HETEROTOPIA SECONDARY TO RETINOPATHY OF PREMATURITY. Retina, 2008, 28, 1111-1116.	1.0	18
50	Retinal Dysfunction in Carriers of Bardet-Biedl Syndrome. Ophthalmic Genetics, 2007, 28, 163-168.	0.5	17
51	Microperimetry: a review of fundus related perimetry. Optometry Reports, 2012, 2, 2.	0.2	17
52	Multidimensional visual field maps: Relationships among local psychophysical and local electrophysiological measures. Journal of Rehabilitation Research and Development, 2004, 41, 359.	1.6	17
53	Local cone and rod system function in progressive cone dystrophy. Investigative Ophthalmology and Visual Science, 2002, 43, 2364-73.	3.3	17
54	The Ecological Significance of the Locomotor Activity Rhythms of Sesarma Cinereum (Bosc) and Sesarma Reticula Tum (Say) (Decapoda, Grapsidae). Crustaceana, 1981, 40, 5-15.	0.1	16

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55	Symmetry discrimination in patients with retinitis pigmentosa. Vision Research, 1995, 35, 1633-1640.	0.7	16
56	COMPREHENSIVE FUNCTIONAL VISION ASSESSMENT OF PATIENTS WITH NORTH CAROLINA MACULAR DYSTROPHY (MCDR1). Retina, 2005, 25, 489-497.	1.0	16
57	A method for comparing psychophysical and multifocal electroretinographic increment thresholds. Vision Research, 2002, 42, 257-269.	0.7	15
58	Rod and Cone Photoreceptor Function in Patients with Cone Dystrophy. , 2004, 45, 275.		15
59	The Physics and Psychophysics of Microperimetry. Optometry and Vision Science, 2012, 89, 1182-1191.	0.6	15
60	An examination of VEP response phase. Electroencephalography and Clinical Neurophysiology, 1989, 73, 520-531.	0.3	14
61	Perifoveal Function in Patients with North Carolina Macular Dystrophy: The Importance of Accounting for Fixation Locus. , 2006, 47, 1703.		14
62	Test-retest Variability of a Standardized Low Vision Lighting Assessment. Optometry and Vision Science, 2018, 95, 852-858.	0.6	12
63	Outcomes After Comprehensive Vision Rehabilitation Using Vision-related Quality of Life Questionnaires: Impact of Vision Impairment and National Eye Institute Visual Functioning Questionnaire. Optometry and Vision Science, 2019, 96, 87-94.	0.6	12
64	Losses of temporal modulation sensitivity in retinal degenerations.. British Journal of Ophthalmology, 1989, 73, 440-447.	2.1	11
65	Visual evoked potentials following abrupt contrast changes. Vision Research, 1994, 34, 2813-2821.	0.7	11
66	Duration Thresholds for Target Detection and Identification in the Peripheral Visual Field. Optometry and Vision Science, 2001, 78, 169-176.	0.6	11
67	The multifocal visual evoked potential: An objective measure of visual fields?. Vision Research, 2005, 45, 1155-1163.	0.7	11
68	Changes in the focal electroretinogram with retinal eccentricity. Documenta Ophthalmologica, 1988, 70, 29-36.	1.0	10
69	Effects of Lighting on Reading Speed as a Function of Letter Size. American Journal of Occupational Therapy, 2018, 72, 7202345020p1-7202345020p7.	0.1	10
70	Objective Assessment of Temporal Modulation Transfer Functions Using the Focal ERG. Optometry and Vision Science, 1986, 63, 1-6.	0.6	9
71	Electro-oculogram changes in patients with ocular hypertension and primary open-angle glaucoma. Documenta Ophthalmologica, 1993, 83, 103-110.	1.0	9
72	Psychological Profiles of Patients with Central Vision Loss. Journal of Visual Impairment and Blindness, 2000, 94, 781-786.	0.4	9

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73	The Effect of Variably Tinted Spectacle Lenses on Visual Performance in Cataract Subjects. Eye and Contact Lens, 2003, 29, 17-20.	0.8	8
74	Assessing Responses of the Macula in Patients with Macular Holes using a New System Measuring Localized Visual Acuity and the mfERG. Documenta Ophthalmologica, 2005, 110, 181-191.	1.0	8
75	Editorial: Abstracts of the 46th symposium of ISCEV, Morgantown, WV, USA. Documenta Ophthalmologica, 2008, 117, 1-2.	1.0	8
76	Performance of Real-world Functional Tasks Using an Updated Oral Electronic Vision Device in Persons Blinded by Trauma. Optometry and Vision Science, 2018, 95, 766-773.	0.6	8
77	Cone function in congenital nyctalopia. Documenta Ophthalmologica, 1987, 65, 307-318.	1.0	7
78	Rod influence on thresholds using different detection criteria during dark adaptation. Acta Psychologica, 1987, 64, 261-270.	0.7	7
79	Mobile Crowd Assisted Navigation for the Visually Impaired. , 2015, , .		7
80	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to â€œSeeâ€•More, Farther and Faster. IEEE Access, 2022, 10, 29612-29632.	2.6	7
81	Activation in individuals with vision loss. Journal of Health Psychology, 2021, 26, 2603-2612.	1.3	5
82	Reduced Mammography Screening for Breast Cancer among Women with Visual Impairment. Ophthalmology, 2021, 128, 317-323.	2.5	5
83	Electrophysiological Confirmation of Orientation-specific Contrast Losses in Multiple Sclerosis. Annals of the New York Academy of Sciences, 1984, 436, 487-491.	1.8	4
84	Evoked potential assessment of cortical adaptation. Applied Optics, 1988, 27, 1089.	2.1	4
85	Comparison of P100 and P300 cortical potentials in spatial frequency discrimination. Documenta Ophthalmologica, 1993, 85, 173-183.	1.0	3
86	Comparison of visual evoked potential and psychophysical contrast sensitivity. International Journal of Neuroscience, 1995, 80, 173-180.	0.8	3
87	Comparisons of Two Microperimeters: The Clinical Value of an Extended Stimulus Range. Optometry and Vision Science, 2018, 95, 663-671.	0.6	3
88	Lateral spread of adaptation as measured with the multifocal electroretinogram. Visual Neuroscience, 2001, 18, 687-694.	0.5	2
89	Ophthalmologic Baseline Characteristics and 2-Year Ophthalmologic Safety Profile of Pramipexole IR Compared with Ropinirole IR in Patients with Early Parkinsonâ€™s Disease. Parkinson's Disease, 2016, 2016, 1-14.	0.6	2
90	Current Practice in Low Vision Rehabilitation of Age-related Macular Degeneration and Usefulness of Virtual Reality as a Rehabilitation Tool. Journal of Aging Science, 2018, , .	0.5	2

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91	Decreasing Avoidable Vision Loss: Identifying Antecedents of Adherence . Clinical Ophthalmology, 2020, Volume 14, 3735-3739.	0.9	2
92	Stargardt Macular Dystrophy. Ophthalmology Retina, 2017, 1, 524-530.	1.2	1
93	Chapter 15 Acquired retinopathies. Handbook of Clinical Neurophysiology, 2005, , 295-327.	0.0	0
94	Eccentricity-dependent changes in local onset and offset responses in patients with progressive cone dystrophy. Vision Research, 2007, 47, 2297-2304.	0.7	0
95	The Relationship Between Cognitive Status and Known Single Nucleotide Polymorphisms in Age-Related Macular Degeneration. Frontiers in Aging Neuroscience, 2020, 12, 586691.	1.7	0