

Cynthia Owsley

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.

137 papers	8,398 citations	49 h-index	90 g-index
141 ext. papers	9,385 ext. citations	4.2 avg, IF	6.2 L-index

#	Paper	IF	Citations
137	Spatial Dissociation of Subretinal Drusenoid Deposits and Impaired Scotopic and Mesopic Sensitivity in AMD. 2022 , 63, 32		0
136	Identifying the Retinal Layers Linked to Human Contrast Sensitivity Via Deep Learning. 2022 , 63, 27		0
135	Artificial intelligence-based strategies to identify patient populations and advance analysis in age-related macular degeneration clinical trials.. <i>Experimental Eye Research</i> , 2022 , 109092	3.7	
134	Cognitive Processing Speed Is Strongly Related to Driving Skills, Financial Abilities, and Other Instrumental Activities of Daily Living in Persons With Mild Cognitive Impairment and Mild Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 1829-1838	6.4	7
133	A Unified Rule for Binocular Contrast Summation Applies to Normal Vision and Common Eye Diseases 2021 , 62, 6		0
132	Motion perception as a risk factor for motor vehicle collision involvement in drivers 70 years. <i>Accident Analysis and Prevention</i> , 2021 , 151, 105956	6.1	3
131	Naturalistic Driving Techniques and Association of Visual Risk Factors With At-Fault Crashes and Near Crashes by Older Drivers With Vision Impairment. <i>JAMA Ophthalmology</i> , 2021 , 139, 639-645	3.9	6
130	Driving specialist ratings of on-road performance and naturalistic driving crashes and near-crashes. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 3186-3193	5.6	1
129	Left Turns by Older Drivers With Vision Impairment: A Naturalistic Driving Study. <i>Innovation in Aging</i> , 2021 , 5, 100026	0.1	1
128	Low rates of eye care utilization among visually impaired subsidized senior housing residents. <i>Aging and Mental Health</i> , 2021 , 25, 360-366	3.5	0
127	Topographic Distribution and Progression of Soft Drusen Volume in Age-Related Macular Degeneration Implicate Neurobiology of Fovea 2021 , 62, 26		7
126	The Complexity of Integrating Observations Into Observational Research. <i>JAMA Ophthalmology</i> , 2021 , 139, 1005-1006	3.9	0
125	Functionally validated imaging endpoints in the Alabama study on early age-related macular degeneration 2 (ALSTAR2): design and methods. <i>BMC Ophthalmology</i> , 2020 , 20, 196	2.3	14
124	Hyperreflective Foci and Specks Are Associated with Delayed Rod-Mediated Dark Adaptation in Nonneovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020 , 4, 1059-1068	3.8	13
123	Reliability and validity of the PedsQL 4.0 Generic Core Scales in pediatric vision impairment. <i>Journal of AAPOS</i> , 2020 , 24, 94.e1-94.e7	1.3	
122	Exploring a Structural Basis for Delayed Rod-Mediated Dark Adaptation in Age-Related Macular Degeneration Via Deep Learning. <i>Translational Vision Science and Technology</i> , 2020 , 9, 62	3.3	8
121	Repeatability and Validity of MNREAD Test in Children With Vision Impairment. <i>Translational Vision Science and Technology</i> , 2020 , 9, 25	3.3	1

120	Lifecycles of Individual Subretinal Drusenoid Deposits and Evolution of Outer Retinal Atrophy in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020 , 4, 274-283	3.8	15
119	Local Abundance of Macular Xanthophyll Pigment Is Associated with Rod- and Cone-Mediated Vision in Aging and Age-Related Macular Degeneration 2020 , 61, 46		5
118	Association of Photopic and Mesopic Contrast Sensitivity in older drivers with risk of motor vehicle collision using naturalistic driving data. <i>BMC Ophthalmology</i> , 2020 , 20, 47	2.3	6
117	Imaging of Age-Related Macular Degeneration by Adaptive Optics Scanning Laser Ophthalmoscopy in Eyes With Aged Lenses or Intraocular Lenses. <i>Translational Vision Science and Technology</i> , 2020 , 9, 41	3.3	4
116	Bidirectionality of the Association of Vision Impairment With Depression and Anxiety. <i>JAMA Ophthalmology</i> , 2019 , 137, 801	3.9	
115	Retinal Pathologic Features on OCT among Eyes of Older Adults Judged Healthy by Color Fundus Photography. <i>Ophthalmology Retina</i> , 2019 , 3, 670-680	3.8	5
114	Distracted Driving and Risk of Crash or Near-Crash Involvement Among Older Drivers Using Naturalistic Driving Data With a Case-Crossover Study Design. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 550-555	6.4	8
113	Glaucoma Patient Knowledge, Perceptions, and Predispositions for Telemedicine. <i>Journal of Glaucoma</i> , 2019 , 28, 481-486	2.1	8
112	The ARMS2 A69S Polymorphism Is Associated with Delayed Rod-Mediated Dark Adaptation in Eyes at Risk for Incident Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2019 , 126, 591-600	7.3	20
111	Rod-Mediated Dark Adaptation and Macular Pigment Optical Density in Older Adults with Normal Maculas. <i>Current Eye Research</i> , 2018 , 43, 913-920	2.9	5
110	Rehabilitation Referral for Patients With Irreversible Vision Impairment Seen in a Public Safety-Net Eye Clinic. <i>JAMA Ophthalmology</i> , 2018 , 136, 400-408	3.9	9
109	DYNAMISM OF DOT SUBRETINAL DRUSENOID DEPOSITS IN AGE-RELATED MACULAR DEGENERATION DEMONSTRATED WITH ADAPTIVE OPTICS IMAGING. <i>Retina</i> , 2018 , 38, 29-38	3.6	18
108	General cognitive impairment as a risk factor for motor vehicle collision involvement: a prospective population-based study. <i>Geriatrics (Switzerland)</i> , 2018 , 3,	2.2	2
107	The Alabama VIP older driver study rationale and design: examining the relationship between vision impairment and driving using naturalistic driving techniques. <i>BMC Ophthalmology</i> , 2018 , 18, 32	2.3	7
106	Patient satisfaction with care in an urban tertiary referral academic glaucoma clinic in the US. <i>Patient Preference and Adherence</i> , 2018 , 12, 775-781	2.4	5
105	Compliance With Primary Open-angle Glaucoma and Primary Open-angle Glaucoma Suspect Preferred Practice Patterns in a Retail-based Eye Clinic. <i>Journal of Glaucoma</i> , 2018 , 27, 1068-1072	2.1	5
104	Effects of Age-Related Macular Degeneration on Driving Performance 2018 , 59, 273-279		24
103	Relationship between areas of cognitive functioning on the Mini-Mental State Examination and crash risk. <i>Geriatrics (Switzerland)</i> , 2018 , 3,	2.2	5

102	Prevalence of Undiagnosed Age-Related Macular Degeneration in Primary Eye Care. <i>JAMA Ophthalmology</i> , 2017 , 135, 570-575	3.9	30
101	Reply. <i>Ophthalmology</i> , 2017 , 124, e20-e21	7.3	1
100	Retinal Pigment Epithelium Degeneration Associated With Subretinal Drusenoid Deposits in Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2017 , 175, 87-98	4.9	32
99	Natural History of Rod-Mediated Dark Adaptation over 2 Years in Intermediate Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2017 , 6, 15	3.3	29
98	Visual Sensory and Visual-Cognitive Function and Rate of Crash and Near-Crash Involvement Among Older Drivers Using Naturalistic Driving Data 2017 , 58, 2959-2967		28
97	Macular Atrophy Development and Subretinal Drusenoid Deposits in Anti-Vascular Endothelial Growth Factor Treated Age-Related Macular Degeneration 2017 , 58, 6038-6045		9
96	ASSOCIATION BETWEEN VISUAL FUNCTION AND SUBRETINAL DRUSENOID DEPOSITS IN NORMAL AND EARLY AGE-RELATED MACULAR DEGENERATION EYES. <i>Retina</i> , 2017 , 37, 1329-1336	3.6	19
95	Applying RE-AIM to evaluate two community-based programs designed to improve access to eye care for those at high-risk for glaucoma. <i>Evaluation and Program Planning</i> , 2017 , 65, 40-46	1.7	8
94	Comparison of Bruch's Membrane Opening Minimum Rim Width Among Those With Normal Ocular Health by Race. <i>American Journal of Ophthalmology</i> , 2017 , 174, 113-118	4.9	10
93	Comparison of Visual Function in Older Eyes in the Earliest Stages of Age-related Macular Degeneration to Those in Normal Macular Health. <i>Current Eye Research</i> , 2016 , 41, 266-72	2.9	59
92	Panretinal Photocoagulation Versus Ranibizumab for Proliferative Diabetic Retinopathy: Patient-Centered Outcomes From a Randomized Clinical Trial. <i>American Journal of Ophthalmology</i> , 2016 , 170, 206-213	4.9	29
91	Patients' Adherence to Recommended Follow-up Eye Care After Diabetic Retinopathy Screening in a Publicly Funded County Clinic and Factors Associated With Follow-up Eye Care Use. <i>JAMA Ophthalmology</i> , 2016 , 134, 1221-1228	3.9	61
90	Vision-targeted health related quality of life in older adults: patient-reported visibility problems in low luminance activities are more likely to decline than daytime activities. <i>BMC Ophthalmology</i> , 2016 , 16, 92	2.3	16
89	Measuring Mean Cup Depth in the Optic Nerve Head. <i>Computer-Aided Design and Applications</i> , 2016 , 13, 693-700	1.4	
88	Feasibility, Patient Acceptability, and Preliminary Efficacy of a Culturally Informed, Health Promotion Program to Improve Glaucoma Medication Adherence Among African Americans: "Glaucoma Management Optimism for African Americans Living with Glaucoma" (GOAL). <i>Current Eye Research</i> , 2016 , 41, 50-8	2.9	26
87	Prevalence of Subretinal Drusenoid Deposits in Older Persons with and without Age-Related Macular Degeneration, by Multimodal Imaging. <i>Ophthalmology</i> , 2016 , 123, 1090-100	7.3	51
86	Driving with pets and motor vehicle collision involvement among older drivers: A prospective population-based study. <i>Accident Analysis and Prevention</i> , 2016 , 88, 169-74	6.1	2
85	A Multi-Center Diabetes Eye Screening Study in Community Settings: Study Design and Methodology. <i>Ophthalmic Epidemiology</i> , 2016 , 23, 109-15	1.9	8

84	Delayed Rod-Mediated Dark Adaptation Is a Functional Biomarker for Incident Early Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016 , 123, 344-351	7.3	130
83	Association between Glaucoma and At-fault Motor Vehicle Collision Involvement among Older Drivers: A Population-based Study. <i>Ophthalmology</i> , 2016 , 123, 109-16	7.3	60
82	Motor Vehicle Collision Involvement among Persons with Hemianopia and Quadrantanopia. <i>Geriatrics (Switzerland)</i> , 2016 , 1,	2.2	2
81	Eye Care Quality and Accessibility Improvement in the Community (EQUALITY): impact of an eye health education program on patient knowledge about glaucoma and attitudes about eye care. <i>Patient Related Outcome Measures</i> , 2016 , 7, 37-48	2.9	18
80	Visual Function in Older Eyes in Normal Macular Health: Association with Incident Early Age-Related Macular Degeneration 3 Years Later 2016 , 57, 1782-9		22
79	Glaucoma and Driving: On-Road Driving Characteristics. <i>PLoS ONE</i> , 2016 , 11, e0158318	3.7	37
78	Vision and Aging. <i>Annual Review of Vision Science</i> , 2016 , 2, 255-271	8.2	54
77	Relating Retinal Morphology and Function in Aging and Early to Intermediate Age-related Macular Degeneration Subjects. <i>American Journal of Ophthalmology</i> , 2016 , 165, 65-77	4.9	31
76	Characteristics of on-road driving by persons with central vision loss: Learning to drive with a bioptic telescope. <i>Assistive Technology</i> , 2016 , 28, 74-82	1.5	0
75	Driving Eligibility in Proliferative Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016 , 134, 672-3	3.9	2
74	A roadmap for interpreting the literature on vision and driving. <i>Survey of Ophthalmology</i> , 2015 , 60, 250-621	6.2	45
73	Eye Care Quality and Accessibility Improvement in the Community (EQUALITY) for adults at risk for glaucoma: study rationale and design. <i>International Journal for Equity in Health</i> , 2015 , 14, 135	4.6	23
72	Feasibility and efficacy of diabetic retinopathy screening among youth with diabetes in a pediatric endocrinology clinic: a cross-sectional study. <i>Diabetology and Metabolic Syndrome</i> , 2015 , 7, 56	5.6	18
71	Peripapillary choroidal thickness variation with age and race in normal eyes 2015 , 56, 1872-9		46
70	RefMoB, a Reflectivity Feature Model-Based Automated Method for Measuring Four Outer Retinal Hyperreflective Bands in Optical Coherence Tomography 2015 , 56, 4166-76		21
69	Diabetes eye screening in urban settings serving minority populations: detection of diabetic retinopathy and other ocular findings using telemedicine. <i>JAMA Ophthalmology</i> , 2015 , 133, 174-81	3.9	71
68	Vision Impairment Among Older Adults Residing in Subsidized Housing Communities. <i>Gerontologist, The</i> , 2015 , 55 Suppl 1, S108-17	5	11
67	The driving visual field and a history of motor vehicle collision involvement in older drivers: a population-based examination. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 56, 132-8		43

66	Visually impaired drivers who use bioptic telescopes: self-assessed driving skills and agreement with on-road driving evaluation 2014 , 55, 330-6		18
65	Photoreceptor perturbation around subretinal drusenoid deposits as revealed by adaptive optics scanning laser ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 2014 , 158, 584-96.e1	4.9	81
64	Eye care use among a high-risk diabetic population seen in a public hospital's clinics. <i>JAMA Ophthalmology</i> , 2014 , 132, 162-7	3.9	34
63	Associations between abnormal rod-mediated dark adaptation and health and functioning in older adults with normal macular health 2014 , 55, 4776-89		56
62	Prediction of driving safety in individuals with homonymous hemianopia and quadrantanopia from clinical neuroimaging. <i>Journal of Ophthalmology</i> , 2014 , 2014, 754042	2	3
61	Variation of laminar depth in normal eyes with age and race. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 8123-33		29
60	Prevalence of attention-deficit/hyperactivity disorder among children with vision impairment. <i>Journal of AAPOS</i> , 2014 , 18, 10-4	1.3	7
59	Characteristics of on-road driving performance of persons with central vision loss who use bioptic telescopes 2013 , 54, 3790-7		18
58	Visual processing speed. <i>Vision Research</i> , 2013 , 90, 52-6	2.1	43
57	Reducing older driver motor vehicle collisions via earlier cataract surgery. <i>Accident Analysis and Prevention</i> , 2013 , 61, 203-11	6.1	16
56	Associations between visual, hearing, and dual sensory impairments and history of motor vehicle collision involvement of older drivers. <i>Journal of the American Geriatrics Society</i> , 2013 , 61, 252-7	5.6	53
55	A population-based examination of the visual and ophthalmological characteristics of licensed drivers aged 70 and older. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 567-73	6.4	40
54	Association between higher order visual processing abilities and a history of motor vehicle collision involvement by drivers ages 70 and over 2013 , 54, 778-82		38
53	Effect of an eye health education program on older African Americans: eye care utilization and attitudes about eye care. <i>Journal of the National Medical Association</i> , 2013 , 105, 69-76	2.3	13
52	Driving with bioptic telescopes: organizing a research agenda. <i>Optometry and Vision Science</i> , 2012 , 89, 1249-56	2.1	15
51	Hemianopic and quadrantanopic field loss, eye and head movements, and driving 2011 , 52, 1220-5		54
50	Aging and vision. <i>Vision Research</i> , 2011 , 51, 1610-22	2.1	381
49	Older drivers' attitudes about instrument cluster designs in vehicles. <i>Accident Analysis and Prevention</i> , 2011 , 43, 2024-2029	6.1	8

48	Association between retinal thickness measured by spectral-domain optical coherence tomography (OCT) and rod-mediated dark adaptation in non-exudative age-related maculopathy. <i>British Journal of Ophthalmology</i> , 2011 , 95, 1427-32	5.5	19
47	Visual functioning and quality of life under low luminance: evaluation of the German Low Luminance Questionnaire 2011 , 52, 8241-9		25
46	Vision and driving. <i>Vision Research</i> , 2010 , 50, 2348-61	2.1	249
45	Evaluation of on-road driving in people with hemianopia and quadrantanopia. <i>American Journal of Occupational Therapy</i> , 2010 , 64, 268-78	0.4	29
44	On-road driving performance by persons with hemianopia and quadrantanopia 2009 , 50, 577-85		65
43	Characteristics of low-vision rehabilitation services in the United States. <i>JAMA Ophthalmology</i> , 2009 , 127, 681-9		110
42	Educating older African Americans about the preventive importance of routine comprehensive eye care. <i>Journal of the National Medical Association</i> , 2008 , 100, 1089-95	2.3	13
41	Driving and Age-Related Macular Degeneration. <i>Journal of Visual Impairment and Blindness</i> , 2008 , 102, 621-635	0.7	16
40	Driving and Age-Related Macular Degeneration. <i>Journal of Visual Impairment and Blindness</i> , 2008 , 102, 621-635	0.7	14
39	Impact of cataract surgery on health-related quality of life in nursing home residents. <i>British Journal of Ophthalmology</i> , 2007 , 91, 1359-63	5.5	67
38	Effect of refractive error correction on health-related quality of life and depression in older nursing home residents. <i>JAMA Ophthalmology</i> , 2007 , 125, 1471-7		102
37	The visual status of older persons residing in nursing homes. <i>JAMA Ophthalmology</i> , 2007 , 125, 925-30		57
36	Cone- and rod-mediated dark adaptation impairment in age-related maculopathy. <i>Ophthalmology</i> , 2007 , 114, 1728-35	7.3	129
35	Measuring the personal burden of eye disease and vision impairment. <i>Ophthalmic Epidemiology</i> , 2007 , 14, 188-91	1.9	8
34	Impact of aging and age-related maculopathy on inactivation of the a-wave of the rod-mediated electroretinogram. <i>Vision Research</i> , 2006 , 46, 1422-31	2.1	25
33	Effect of short-term, high-dose retinol on dark adaptation in aging and early age-related maculopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 1310-8		65
32	Development of a questionnaire to assess vision problems under low luminance in age-related maculopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 528-35		105
31	Perceived barriers to care and attitudes about vision and eye care: focus groups with older African Americans and eye care providers. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2797-802		120

30	On-road driving with moderate visual field loss. <i>Optometry and Vision Science</i> , 2005 , 82, 657-67	2.1	87
29	Photoreceptor Degeneration in Aging and Age-Related Maculopathy 2005 , 45-62		6
28	Association between visual attention and mobility in older adults. <i>Journal of the American Geriatrics Society</i> , 2004 , 52, 1901-6	5.6	113
27	Depression and the 25-item National Eye Institute Visual Function Questionnaire in older adults. <i>Ophthalmology</i> , 2004 , 111, 2259-64	7.3	53
26	Impact of an educational program on the safety of high-risk, visually impaired, older drivers. <i>American Journal of Preventive Medicine</i> , 2004 , 26, 222-9	6.1	115
25	Contrast sensitivity. <i>Ophthalmology Clinics of North America</i> , 2003 , 16, 171-7		121
24	Impact of impulsiveness, venturesomeness, and empathy on driving by older adults. <i>Journal of Safety Research</i> , 2003 , 34, 353-9	4	57
23	The efficacy of an educational intervention in promoting self-regulation among high-risk older drivers. <i>Accident Analysis and Prevention</i> , 2003 , 35, 393-400	6.1	116
22	The development and efficacy of a theory-based educational curriculum to promote self-regulation among high-risk older drivers. <i>Health Promotion Practice</i> , 2003 , 4, 109-19	1.8	53
21	Impact of cataract surgery on motor vehicle crash involvement by older adults. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 288, 841-9	27.4	145
20	Timed instrumental activities of daily living tasks: relationship to cognitive function and everyday performance assessments in older adults. <i>Gerontology</i> , 2002 , 48, 254-65	5.5	207
19	Photoreceptor degeneration and dysfunction in aging and age-related maculopathy. <i>Ageing Research Reviews</i> , 2002 , 1, 381-96	12	246
18	Visual risk factors for crash involvement in older drivers with cataract. <i>JAMA Ophthalmology</i> , 2001 , 119, 881-7		257
17	Delays in rod-mediated dark adaptation in early age-related maculopathy. <i>Ophthalmology</i> , 2001 , 108, 1196-202	7.3	205
16	Visual risk factors for driving difficulty among older drivers. <i>Accident Analysis and Prevention</i> , 2000 , 32, 735-44	6.1	121
15	Self-perceptions and Current Practices of High-risk Older Drivers: Implications for Driver Safety Interventions. <i>Journal of Health Psychology</i> , 2000 , 5, 441-56	3.1	69
14	Scotopic sensitivity during adulthood. <i>Vision Research</i> , 2000 , 40, 2467-73	2.1	97
13	Using nonlinear regression to estimate parameters of dark adaptation. <i>Behavior Research Methods</i> , 1999 , 31, 712-7		23

12	Older drivers and cataract: driving habits and crash risk. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1999 , 54, M203-11	6.4	347
11	Vision impairment and driving. <i>Survey of Ophthalmology</i> , 1999 , 43, 535-50	6.1	201
10	Aging and dark adaptation. <i>Vision Research</i> , 1999 , 39, 3975-82	2.1	224
9	Useful Field of View and Other Neurocognitive Indicators of Crash Risk in Older Adults. <i>Journal of Clinical Psychology in Medical Settings</i> , 1998 , 5, 425-440	2	84
8	Driving avoidance and functional impairment in older drivers. <i>Accident Analysis and Prevention</i> , 1998 , 30, 313-22	6.1	381
7	Aging and scotopic sensitivity. <i>Vision Research</i> , 1998 , 38, 3655-62	2.1	101
6	Vision impairment, eye disease, and injurious motor vehicle crashes in the elderly. <i>Ophthalmic Epidemiology</i> , 1998 , 5, 101-13	1.9	179
5	Visual processing impairment and risk of motor vehicle crash among older adults. <i>JAMA - Journal of the American Medical Association</i> , 1998 , 279, 1083-8	27.4	535
4	A preliminary assessment of the medical and functional factors associated with vehicle crashes by older adults. <i>Journal of the American Geriatrics Society</i> , 1998 , 46, 556-61	5.6	94
3	Isolating Risk Factors for Crash Frequency among Older Drivers. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1993 , 37, 211-214	0.4	2
2	Aging, senile miosis and spatial contrast sensitivity at low luminance. <i>Vision Research</i> , 1988 , 28, 1235-46	2.1	146
1	Contrast sensitivity throughout adulthood. <i>Vision Research</i> , 1983 , 23, 689-99	2.1	616