Donald C Hood

List of Publications by Year in Descending Order

152 papers	9,162 citations	53 h-index	93 g-index
153 ext. papers	10,204 ext. citations	4.2 avg, IF	6.35 L-index

#	Paper	IF	Citations
152	Detecting glaucoma with only OCT: Implications for the clinic, research, screening, and AI development.. *Progress in Retinal and Eye Research*, **2022**, 101052	20.5	2
151	The OCT RNFL Probability Map and Artifacts Resembling Glaucomatous Damage.. *Translational Vision Science and Technology*, **2022**, 11, 18	3.3	1
150	Structure-function analysis for macular surgery in patients with coexisting glaucoma. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2021**, 1	3.8	
149	Did the OCT Show Progression Since the Last Visit?. *Journal of Glaucoma*, **2021**, 30, e134-e145	2.1	2
148	Association of Macular Optical Coherence Tomography Measures and Deficits in Facial Recognition in Patients With Glaucoma. *JAMA Ophthalmology*, **2021**, 139, 486-487	3.9	0
147	Strategies to Improve Convolutional Neural Network Generalizability and Reference Standards for Glaucoma Detection From OCT Scans. *Translational Vision Science and Technology*, **2021**, 10, 16	3.3	4
146	Variability and Power to Detect Progression of Different Visual Field Patterns. *Ophthalmology Glaucoma*, **2021**, 4, 617-623	2.2	1
145	Detecting Progression in Advanced Glaucoma: Are Optical Coherence Tomography Global Metrics Viable Measures?. *Optometry and Vision Science*, **2021**, 98, 518-530	2.1	1
144	Association of Patterns of Glaucomatous Macular Damage With Contrast Sensitivity and Facial Recognition in Patients With Glaucoma. *JAMA Ophthalmology*, **2021**, 139, 27-32	3.9	4
143	An Evaluation of a New 24-2 Metric for Detecting Early Central Glaucomatous Damage. *American Journal of Ophthalmology*, **2021**, 223, 119-128	4.9	5
142	Global optical coherence tomography measures for detecting the progression of glaucoma have fundamental flaws. *Eye*, **2021**, 35, 2973-2982	4.4	6
141	Macular Damage in Glaucoma is Associated With Deficits in Facial Recognition. *American Journal of Ophthalmology*, **2020**, 217, 1-9	4.9	4
140	Disc Hemorrhages Are Associated With the Presence and Progression of Glaucomatous Central Visual Field Defects. *Journal of Glaucoma*, **2020**, 29, 429-434	2.1	8
139	Qualitative evaluation of neuroretinal rim and retinal nerve fibre layer on optical coherence tomography to detect glaucomatous damage. *British Journal of Ophthalmology*, **2020**, 104, 980-984	5.5	1
138	Detection of Progression With 10-2 Standard Automated Perimetry: Development and Validation of an Event-Based Algorithm. *American Journal of Ophthalmology*, **2020**, 216, 37-43	4.9	4
137	Optical Coherence Tomography Can Be Used to Assess Glaucomatous Optic Nerve Damage in Most Eyes With High Myopia. *Journal of Glaucoma*, **2020**, 29, 833-845	2.1	4
136	A Topographic Comparison of OCT Minimum Rim Width (BMO-MRW) and Circumpapillary Retinal Nerve Fiber Layer (cRNFL) Thickness Measures in Eyes With or Suspected Glaucoma. *Journal of Glaucoma*, **2020**, 29, 671-680	2.1	4

135	An Automated Method for Assessing Topographical Structure-Function Agreement in Abnormal Glaucomatous Regions. *Translational Vision Science and Technology*, **2020**, 9, 14	3.3	12
134	Diffuse Macular Damage in Mild to Moderate Glaucoma Is Associated With Decreased Visual Function Scores Under Low Luminance Conditions. *American Journal of Ophthalmology*, **2019**, 208, 415-420	4.9	8
133	Schisis of the Retinal Nerve Fiber Layer in Epiretinal Membranes. *American Journal of Ophthalmology*, **2019**, 207, 304-312	4.9	7
132	Structure-Function Agreement Is Better Than Commonly Thought in Eyes With Early Glaucoma **2019**, 60, 4241-4248		33
131	OCT Circle Scans Can Be Used to Study Many Eyes with Advanced Glaucoma. *Ophthalmology Glaucoma*, **2019**, 2, 130-135	2.2	9
130	Does Retinal Ganglion Cell Loss Precede Visual Field Loss in Glaucoma?. *Journal of Glaucoma*, **2019**, 28, 945-951	2.1	12
129	Reply. *Ophthalmology*, **2018**, 125, e27-e28	7.3	
128	Macular Damage, as Determined by Structure-Function Staging, Is Associated With Worse Vision-related Quality of Life in Early Glaucoma. *American Journal of Ophthalmology*, **2018**, 194, 88-94	4.9	13
127	Detecting Glaucomatous Progression With a Region-of-Interest Approach on Optical Coherence Tomography: A Signal-to-Noise Evaluation. *Translational Vision Science and Technology*, **2018**, 7, 19	3.3	10
126	Deep Defects Seen on Visual Fields Spatially Correspond Well to Loss of Retinal Nerve Fiber Layer Seen on Circumpapillary OCT Scans **2018**, 59, 621-628		3
125	Four Questions for Every Clinician Diagnosing and Monitoring Glaucoma. *Journal of Glaucoma*, **2018** , 27, 657-664	2.1	27
124	Challenges to the Common Clinical Paradigm for Diagnosis of Glaucomatous Damage With OCT and Visual Fields **2018**, 59, 788-791		33
123	Author Response: Challenges to the Common Clinical Paradigm for Diagnosis of Glaucomatous Damage With OCT and Visual Fields **2018**, 59, 5524		1
122	Evaluation of a Qualitative Approach for Detecting Glaucomatous Progression Using Wide-Field Optical Coherence Tomography Scans. *Translational Vision Science and Technology*, **2018**, 7, 5	3.3	11
121	Comparison of Widefield and Circumpapillary Circle Scans for Detecting Glaucomatous Neuroretinal Thinning on Optical Coherence Tomography. *Translational Vision Science and Technology*, **2018**, 7, 11	3.3	5
120	Effectiveness of a Qualitative Approach Toward Evaluating OCT Imaging for Detecting Glaucomatous Damage. *Translational Vision Science and Technology*, **2018**, 7, 7	3.3	13
119	Evaluation of a Region-of-Interest Approach for Detecting Progressive Glaucomatous Macular Damage on Optical Coherence Tomography. *Translational Vision Science and Technology*, **2018**, 7, 14	3.3	11
118	The Association Between Clinical Features Seen on Fundus Photographs and Glaucomatous Damage Detected on Visual Fields and Optical Coherence Tomography Scans. *Journal of Glaucoma*, **2017**, 26, 498-504	2.1	13

117	Association Between Undetected 10-2 Visual Field Damage and Vision-Related Quality of Life in Patients With Glaucoma. *JAMA Ophthalmology*, **2017**, 135, 742-747	3.9	49
116	24-2 Visual Fields Miss Central Defects Shown on 10-2 Tests in Glaucoma Suspects, Ocular Hypertensives, and Early Glaucoma. *Ophthalmology*, **2017**, 124, 1449-1456	7.3	95
115	Association of Glaucoma-Related, Optical Coherence Tomography-Measured Macular Damage With Vision-Related Quality of Life. *JAMA Ophthalmology*, **2017**, 135, 783-788	3.9	22
114	Improving our understanding, and detection, of glaucomatous damage: An approach based upon optical coherence tomography (OCT). *Progress in Retinal and Eye Research*, **2017**, 57, 46-75	20.5	155
113	A Comparison of En Face Optical Coherence Tomography and Fundus Autofluorescence in Stargardt Disease **2017**, 58, 5227-5236		20
112	Progression of Local Glaucomatous Damage Near Fixation as Seen with Adaptive Optics Imaging. *Translational Vision Science and Technology*, **2017**, 6, 6	3.3	11
111	The 24-2 Visual Field Test Misses Central Macular Damage Confirmed by the 10-2 Visual Field Test and Optical Coherence Tomography. *Translational Vision Science and Technology*, **2016**, 5, 15	3.3	72
110	Technology and the Glaucoma Suspect **2016**, 57, OCT80-5		14
109	Reliability of a Manual Procedure for Marking the EZ Endpoint Location in Patients with Retinitis Pigmentosa. *Translational Vision Science and Technology*, **2016**, 5, 6	3.3	18
108	Defects Along Blood Vessels in Glaucoma Suspects and Patients **2016**, 57, 1680-6		13
107	A Single Wide-Field OCT Protocol Can Provide Compelling Information for the Diagnosis of Early Glaucoma. *Translational Vision Science and Technology*, **2016**, 5, 4	3.3	50
106	Rates of decline in regions of the visual field defined by frequency-domain optical coherence tomography in patients with RPGR-mediated X-linked retinitis pigmentosa. *Ophthalmology*, **2015**, 122, 833-9	7.3	50
105	Adaptive optics imaging of healthy and abnormal regions of retinal nerve fiber bundles of patients with glaucoma. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 674-81		41
104	A Region-of-Interest Approach for Detecting Progression of Glaucomatous Damage With Optical Coherence Tomography. *JAMA Ophthalmology*, **2015**, 133, 1438-44	3.9	22
103	Imaging Glaucoma. *Annual Review of Vision Science*, **2015**, 1, 51-72	8.2	3
102	Evaluation of the Structure-Function Relationship in Glaucoma Using a Novel Method for Estimating the Number of Retinal Ganglion Cells in the Human Retina **2015**, 56, 5548-56		41
101	Near-infrared autofluorescence: its relationship to short-wavelength autofluorescence and optical coherence tomography in recessive stargardt disease **2015**, 56, 3226-34		36
100	Quantitative Fundus Autofluorescence and Optical Coherence Tomography in ABCA4 Carriers **2015** , 56, 7274-85		23

99	Confocal Adaptive Optics Imaging of Peripapillary Nerve Fiber Bundles: Implications for Glaucomatous Damage Seen on Circumpapillary OCT Scans. *Translational Vision Science and Technology*, **2015**, 4, 12	3.3	20
98	Details of Glaucomatous Damage Are Better Seen on OCT En Face Images Than on OCT Retinal Nerve Fiber Layer Thickness Maps **2015**, 56, 6208-16		52
97	Central Glaucomatous Damage of the Macula Can Be Overlooked by Conventional OCT Retinal Nerve Fiber Layer Thickness Analyses. *Translational Vision Science and Technology*, **2015**, 4, 4	3.3	49
96	Evaluation of a Method for Estimating Retinal Ganglion Cell Counts Using Visual Fields and Optical Coherence Tomography **2015**, 56, 2254-68		14
95	A comparison of structural and functional changes in patients screened for hydroxychloroquine retinopathy. *Documenta Ophthalmologica*, **2015**, 130, 13-23	2.2	11
94	Early glaucoma involves both deep local, and shallow widespread, retinal nerve fiber damage of the macular region **2014**, 55, 632-49		98
93	Prevalence and nature of early glaucomatous defects in the central 10° of the visual field. *JAMA Ophthalmology*, **2014**, 132, 291-7	3.9	136
92	A Test of a Model of Glaucomatous Damage of the Macula With High-Density Perimetry: Implications for the Locations of Visual Field Test Points. *Translational Vision Science and Technology*, **2014**, 3, 5	3.3	32
91	Modifying the Conventional Visual Field Test Pattern to Improve the Detection of Early Glaucomatous Defects in the Central 10° *Translational Vision Science and Technology*, **2014**, 3, 6	3.3	30
90	Evaluation of a One-Page Report to Aid in Detecting Glaucomatous Damage. *Translational Vision Science and Technology*, **2014**, 3, 8	3.3	23
89	A comparison of progressive loss of the ellipsoid zone (EZ) band in autosomal dominant and x-linked retinitis pigmentosa **2014**, 55, 7417-22		72
88	Improving glaucoma detection using spatially correspondent clusters of damage and by combining standard automated perimetry and optical coherence tomography **2014**, 55, 612-24		31
87	Evaluation of inner retinal layers in eyes with temporal hemianopic visual loss from chiasmal compression using optical coherence tomography **2014**, 55, 3328-36		61
86	On improving the use of OCT imaging for detecting glaucomatous damage. *British Journal of Ophthalmology*, **2014**, 98 Suppl 2, ii1-9	5.5	51
85	The Use of Multifocal Electroretinograms and Multifocal Visual Evoked Potentials in Optic Nerve Disorders **2014**, 325-351		
84	The locations of circumpapillary glaucomatous defects seen on frequency-domain OCT scans **2013**, 54, 7338-43		18
83	Unilateral retinopathy secondary to occult primary intraocular lymphoma. *Documenta Ophthalmologica*, **2013**, 127, 261-9	2.2	5
82	Evaluation of inner retinal layers in patients with multiple sclerosis or neuromyelitis optica using optical coherence tomography. *Ophthalmology*, **2013**, 120, 387-94	7.3	98

81	Glaucomatous damage of the macula. *Progress in Retinal and Eye Research*, **2013**, 32, 1-21	20.5	519
80	Detecting glaucoma with visual fields derived from frequency-domain optical coherence tomography **2013**, 54, 3289-96		9
79	A Comparison of Methods for Tracking Progression in X-Linked Retinitis Pigmentosa Using Frequency Domain OCT. *Translational Vision Science and Technology*, **2013**, 2, 5	3.3	35
78	ISCEV standard for clinical multifocal electroretinography (mfERG) (2011 edition). *Documenta Ophthalmologica*, **2012**, 124, 1-13	2.2	401
77	The Nature of Macular Damage in Glaucoma as Revealed by Averaging Optical Coherence Tomography Data. *Translational Vision Science and Technology*, **2012**, 1, 3	3.3	101
76	Relationships among multifocal electroretinogram amplitude, visual field sensitivity, and SD-OCT receptor layer thicknesses in patients with retinitis pigmentosa **2012**, 53, 833-40		50
75	Rod photoreceptor temporal properties in retinitis pigmentosa. *Experimental Eye Research*, **2011**, 92, 202-8	3.7	7
74	Method for comparing visual field defects to local RNFL and RGC damage seen on frequency domain OCT in patients with glaucoma. *Biomedical Optics Express*, **2011**, 2, 1097-105	3.5	52
73	Deriving visual field loss based upon OCT of inner retinal thicknesses of the macula. *Biomedical Optics Express*, **2011**, 2, 1734-42	3.5	18
72	Automated segmentation of outer retinal layers in macular OCT images of patients with retinitis pigmentosa. *Biomedical Optics Express*, **2011**, 2, 2493-503	3.5	51
71	Retinal ganglion cell layer thickness and local visual field sensitivity in glaucoma. *JAMA Ophthalmology*, **2011**, 129, 1529-36		154
70	Abnormal multifocal ERG findings in patients with normal-appearing retinal anatomy. *Documenta Ophthalmologica*, **2011**, 123, 187-92	2.2	11
69	The inner segment/outer segment border seen on optical coherence tomography is less intense in patients with diminished cone function **2011**, 52, 9703-9		89
68	Reliability of a computer-aided manual procedure for segmenting optical coherence tomography scans. *Optometry and Vision Science*, **2011**, 88, 113-23	2.1	53
67	Initial arcuate defects within the central 10 degrees in glaucoma **2011**, 52, 940-6		130
66	Automated layer segmentation of macular OCT images using dual-scale gradient information. *Optics Express*, **2010**, 18, 21293-307	3.3	199
65	Macular atrophy in birdshot retinochoroidopathy: an optical coherence tomography and multifocal electroretinography analysis. *Retina*, **2010**, 30, 930-7	3.6	34
64	The location of the inferior and superior temporal blood vessels and interindividual variability of the retinal nerve fiber layer thickness. *Journal of Glaucoma*, **2010**, 19, 158-66	2.1	61

63	A comparison of multifocal ERG and frequency domain OCT changes in patients with abnormalities of the retina. *Documenta Ophthalmologica*, **2010**, 120, 175-86	2.2	28
62	Thickness of receptor and post-receptor retinal layers in patients with retinitis pigmentosa measured with frequency-domain optical coherence tomography **2009**, 50, 2328-36		170
61	A test of a linear model of glaucomatous structure-function loss reveals sources of variability in retinal nerve fiber and visual field measurements **2009**, 50, 4254-66		88
60	A comparison of fundus autofluorescence and retinal structure in patients with Stargardt disease **2009**, 50, 3953-9		111
59	A comparison of retinal nerve fiber layer (RNFL) thickness obtained with frequency and time domain optical coherence tomography (OCT). *Optics Express*, **2009**, 17, 3997-4003	3.3	35
58	Measurement of local retinal ganglion cell layer thickness in patients with glaucoma using frequency-domain optical coherence tomography. *JAMA Ophthalmology*, **2009**, 127, 875-81		108
57	Retinal nerve fiber structure versus visual field function in patients with ischemic optic neuropathy. A test of a linear model. *Ophthalmology*, **2008**, 115, 904-10	7.3	78
56	Blood vessel contributions to retinal nerve fiber layer thickness profiles measured with optical coherence tomography. *Journal of Glaucoma*, **2008**, 17, 519-28	2.1	159
55	ISCEV guidelines for clinical multifocal electroretinography (2007 edition). *Documenta Ophthalmologica*, **2008**, 116, 1-11	2.2	135
54	Structure versus function in glaucoma: an application of a linear model. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3662-8		170
53	A framework for comparing structural and functional measures of glaucomatous damage. *Progress in Retinal and Eye Research*, **2007**, 26, 688-710	20.5	478
52	Functional and structural measurements for the assessment of internal limiting membrane peeling in idiopathic macular pucker. *Retina*, **2007**, 27, 567-72	3.6	41
51	Relating retinal nerve fiber thickness to behavioral sensitivity in patients with glaucoma: application of a linear model. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2007**, 24, 1426-30	1.8	30
50	The Use of Multifocal Electroretinograms and Visual Evoked Potentials in Diagnosing Optic Nerve Disorders **2007**, 245-269		
49	Contrast-response functions for multifocal visual evoked potentials: a test of a model relating V1 activity to multifocal visual evoked potentials activity. *Journal of Vision*, **2006**, 6, 580-93	0.4	16
48	The pattern electroretinogram in glaucoma patients with confirmed visual field deficits. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2411-8		76
47	Detecting early to mild glaucomatous damage: a comparison of the multifocal VEP and automated perimetry. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 492-8		93
46	Rod and cone photoreceptor function in patients with cone dystrophy. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 275-81		15

45	Determining abnormal interocular latencies of multifocal visual evoked potentials. *Documenta Ophthalmologica*, **2004**, 109, 177-87	2.2	31
44	Determining abnormal latencies of multifocal visual evoked potentials: a monocular analysis. *Documenta Ophthalmologica*, **2004**, 109, 189-99	2.2	39
43	Auto-immune-like cone dystrophy. *Documenta Ophthalmologica*, **2004**, 109, 215-21	2.2	3
42	Electrophysiologic imaging of retinal and optic nerve damage: the multifocal technique. *Ophthalmology Clinics of North America*, **2004**, 17, 69-88		11
41	The multifocal electroretinogram. *Journal of Neuro-Ophthalmology*, **2003**, 23, 225-35	2.6	114
40	The multifocal visual evoked potential. *Journal of Neuro-Ophthalmology*, **2003**, 23, 279-89	2.6	65
39	Electrophysiology. *Ophthalmology Clinics of North America*, **2003**, 16, 237-51		6
38	Detecting glaucomatous damage with multifocal visual evoked potentials: how can a monocular test work?. *Journal of Glaucoma*, **2003**, 12, 3-15	2.1	44
37	Objective measurement of visual function in glaucoma. *Current Opinion in Ophthalmology*, **2003**, 14, 78-82	3.1	16
36	Regional variations in local contributions to the primate photopic flash ERG: revealed using the slow-sequence mfERG. *Investigative Ophthalmology and Visual Science*, **2003**, 44, 3233-47		80
35	Guidelines for basic multifocal electroretinography (mfERG). *Documenta Ophthalmologica*, **2003**, 106, 105-15	2.2	177
34	Multifocal VEP and ganglion cell damage: applications and limitations for the study of glaucoma. *Progress in Retinal and Eye Research*, **2003**, 22, 201-51	20.5	216
33	Quantifying the benefits of additional channels of multifocal VEP recording. *Documenta Ophthalmologica*, **2002**, 104, 303-20	2.2	72
32	The multifocal visual evoked potential and cone-isolating stimuli: implications for L- to M-cone ratios and normalization. *Journal of Vision*, **2002**, 2, 178-89	0.4	8
31	Visual field defects and multifocal visual evoked potentials: evidence of a linear relationship. *JAMA Ophthalmology*, **2002**, 120, 1672-81		92
30	Quantitative electroretinogram measures of phototransduction in cone and rod photoreceptors: normal aging, progression with disease, and test-retest variability. *JAMA Ophthalmology*, **2002**, 120, 1045-51		70
29	A method for comparing psychophysical and multifocal electroretinographic increment thresholds. *Vision Research*, **2002**, 42, 257-69	2.1	12
28	Retinal origins of the primate multifocal ERG: implications for the human response. *Investigative Ophthalmology and Visual Science*, **2002**, 43, 1673-85		203

27	The optic nerve head component of the monkeyŭ (Macaca mulatta) multifocal electroretinogram (mERG). *Vision Research*, **2001**, 41, 2029-41	2.1	51
26	Electroretinographic determination of human rod flash response in vivo. *Methods in Enzymology*, **2000**, 316, 202-23	1.7	9
25	Assessing retinal function with the multifocal technique. *Progress in Retinal and Eye Research*, **2000**, 19, 607-46	20.5	346
24	Multifocal ERG and VEP responses and visual fields: comparing disease-related changes. *Documenta Ophthalmologica*, **2000**, 100, 115-37	2.2	88
23	Identifying inner retinal contributions to the human multifocal ERG. *Vision Research*, **1999**, 39, 2285-91	2.1	91
22	Effects of dystrophin isoforms on signal transduction through neural retina: genotype-phenotype analysis of duchenne muscular dystrophy mouse mutants. *Molecular Genetics and Metabolism*, **1999**, 66, 100-10	3.7	50
21	Assessment of local retinal function in patients with retinitis pigmentosa using the multi-focal ERG technique. *Vision Research*, **1998**, 38, 163-79	2.1	100
20	A comparison of the components of the multifocal and full-field ERGs. *Visual Neuroscience*, **1997**, 14, 533-44	1.7	169
19	Photoresponses of human rods in vivo derived from paired-flash electroretinograms. *Visual Neuroscience*, **1997**, 14, 73-82	1.7	87
18	Rod photoreceptor transduction is affected in central retinal vein occlusion associated with iris neovascularization. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1996**, 13, 572-6	1.8	12
17	Recovery kinetics of human rod phototransduction inferred from the two-branched alpha-wave saturation function. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1996**, 13, 586-600	1.8	35
16	Beta wave of the scotopic (rod) electroretinogram as a measure of the activity of human on-bipolar cells. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1996**, 13, 623-33	1.8	105
15	Sites of disease action in a retinal dystrophy with supernormal and delayed rod electroretinogram b-waves. *Vision Research*, **1996**, 36, 889-901	2.1	40
14	Abnormalities of the retinal cone system in retinitis pigmentosa. *Vision Research*, **1996**, 36, 1699-709	2.1	48
13	Assessing abnormal rod photoreceptor activity with the a-wave of the electroretinogram: applications and methods. *Documenta Ophthalmologica*, **1996**, 92, 253-67	2.2	86
12	Shades of gray matter: noninvasive optical images of human brain responses during visual stimulation. *Psychophysiology*, **1995**, 32, 505-9	4.1	176
11	Phototransduction in human cones measured using the alpha-wave of the ERG. *Vision Research*, **1995**, 35, 2801-10	2.1	84
10	Enhanced S cone syndrome: evidence for an abnormally large number of S cones. *Vision Research*, **1995**, 35, 1473-81	2.1	82

9	Rod transduction parameters from the a wave of local receptor populations. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1995**, 12, 2259-66	1.8	5
8	Abnormal Rod Photoreceptor Function in Retinitis Pigmentosa **1995**, 359-370		1
7	Light adaptation of human rod receptors: the leading edge of the human a-wave and models of rod receptor activity. *Vision Research*, **1993**, 33, 1605-18	2.1	112
6	Human cone receptor activity: the leading edge of the a-wave and models of receptor activity. *Visual Neuroscience*, **1993**, 10, 857-71	1.7	116
5	Heterogeneity in retinal disease and the computational model of the human-rod response. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1993**, 10, 1624-30	1.8	17
4	A computational model of the amplitude and implicit time of the b-wave of the human ERG. *Visual Neuroscience*, **1992**, 8, 107-26	1.7	148
3	A quantitative measure of the electrical activity of human rod photoreceptors using electroretinography. *Visual Neuroscience*, **1990**, 5, 379-87	1.7	164
2	On relating physiology to sensation. *Behavioral and Brain Sciences*, **1981**, 4, 195-195	0.9	3
1	Uptake of horseradish peroxidase by frog photoreceptor synapses in the dark and the light. *Nature*, **1974**, 249, 261-3	50.4	64