

Alfredo A Sadun

List of Publications by Year in descending order

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Version: 2024-02-01

228
papers

12,350
citations

24978

57
h-index

32761

100
g-index

232
all docs

232
docs citations

232
times ranked

7922
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dysfunction as a cause of optic neuropathies. <i>Progress in Retinal and Eye Research</i> , 2004, 23, 53-89.	7.3	714
2	Optic-Nerve Degeneration in Alzheimer's Disease. <i>New England Journal of Medicine</i> , 1986, 315, 485-487.	13.9	643
3	Clinical Expression of Leber Hereditary Optic Neuropathy Is Affected by the Mitochondrial DNA Haplogroup Background. <i>American Journal of Human Genetics</i> , 2007, 81, 228-233.	2.6	331
4	Optic Nerve Damage in Alzheimer's Disease. <i>Ophthalmology</i> , 1990, 97, 9-17.	2.5	319
5	Melanopsin retinal ganglion cell loss in Alzheimer disease. <i>Annals of Neurology</i> , 2016, 79, 90-109.	2.8	299
6	Retinal ganglion cell degeneration in Alzheimer's disease. <i>Brain Research</i> , 1989, 501, 364-372.	1.1	261
7	Optic nerve degeneration and mitochondrial dysfunction: genetic and acquired optic neuropathies. <i>Neurochemistry International</i> , 2002, 40, 573-584.	1.9	237
8	Efficient mitochondrial biogenesis drives incomplete penetrance in Leber's hereditary optic neuropathy. <i>Brain</i> , 2014, 137, 335-353.	3.7	229
9	Assessment of Visual Impairment in Patients With Alzheimer's Disease. <i>American Journal of Ophthalmology</i> , 1987, 104, 113-120.	1.7	226
10	Oestrogens ameliorate mitochondrial dysfunction in Leber's hereditary optic neuropathy. <i>Brain</i> , 2011, 134, 220-234.	3.7	208
11	Retinal ganglion cell neurodegeneration in mitochondrial inherited disorders. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 518-528.	0.5	204
12	Mouse mtDNA mutant model of Leber hereditary optic neuropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20065-20070.	3.3	189
13	Natural History of Leber's Hereditary Optic Neuropathy: Longitudinal Analysis of the Retinal Nerve Fiber Layer by Optical Coherence Tomography. <i>Ophthalmology</i> , 2010, 117, 623-627.	2.5	183
14	Optical Coherence Tomography in Alzheimer's Disease: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0134750.	1.1	171
15	Haplogroup Effects and Recombination of Mitochondrial DNA: Novel Clues from the Analysis of Leber Hereditary Optic Neuropathy Pedigrees. <i>American Journal of Human Genetics</i> , 2006, 78, 564-574.	2.6	166
16	Age-related decline of human optic nerve axon populations. <i>Age</i> , 1987, 10, 5-9.	3.0	165
17	Melanopsin retinal ganglion cells are resistant to neurodegeneration in mitochondrial optic neuropathies. <i>Brain</i> , 2010, 133, 2426-2438.	3.7	164
18	Effect of EPI-743 on the Clinical Course of the Mitochondrial Disease Leber Hereditary Optic Neuropathy. <i>Archives of Neurology</i> , 2012, 69, 331.	4.9	162

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19	International Consensus Statement on the Clinical and Therapeutic Management of Leber Hereditary Optic Neuropathy. <i>Journal of Neuro-Ophthalmology</i> , 2017, 37, 371-381.	0.4	156
20	A retinohypothalamic pathway in man: Light mediation of circadian rhythms. <i>Brain Research</i> , 1984, 302, 371-377.	1.1	151
21	Pilot Study of Optical Coherence Tomography Measurement of Retinal Blood Flow in Retinal and Optic Nerve Diseases. , 2011, 52, 840.		151
22	Visual system involvement in patients with Friedreich's ataxia. <i>Brain</i> , 2009, 132, 116-123.	3.7	146
23	Extensive investigation of a large Brazilian pedigree of 11778/haplogroup J Leber hereditary optic neuropathy. <i>American Journal of Ophthalmology</i> , 2003, 136, 231-238.	1.7	142
24	Vitreomacular Adhesion in Active and End-Stage Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2009, 148, 79-82.e2.	1.7	141
25	Detection and Quantification of Retinal Nerve Fiber Layer Thickness in Optic Disc Edema Using Stratus OCT. <i>JAMA Ophthalmology</i> , 2006, 124, 1111.	2.6	140
26	Bilateral visual improvement with unilateral gene therapy injection for Leber hereditary optic neuropathy. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	128
27	Leber's Hereditary Optic Neuropathy. <i>Current Treatment Options in Neurology</i> , 2011, 13, 109-117.	0.7	126
28	Leber's Hereditary Optic Neuropathy with Childhood Onset. , 2006, 47, 5303.		125
29	Ocular Changes in TgF344-AD Rat Model of Alzheimer's Disease. , 2014, 55, 523.		125
30	Perioperative risk factors for posterior ischemic optic neuropathy ¹ 1No competing interests declared.. <i>Journal of the American College of Surgeons</i> , 2002, 194, 705-710.	0.2	117
31	TNF- α -Induced Optic Nerve Degeneration and Nuclear Factor- κ B p65. , 2006, 47, 1448.		116
32	Morphometric Comparisons of Optic Nerve Axon Loss in Acquired Immunodeficiency Syndrome. <i>American Journal of Ophthalmology</i> , 1992, 113, 14-20.	1.7	114
33	Vitreoschisis in macular diseases. <i>British Journal of Ophthalmology</i> , 2011, 95, 376-380.	2.1	114
34	Mathematically Modeling the Involvement of Axons in Leber's Hereditary Optic Neuropathy. , 2012, 53, 7608.		109
35	VITRECTOMY FOR FLOATERS. <i>Retina</i> , 2014, 34, 1062-1068.	1.0	108
36	Evidence for a Novel X-Linked Modifier Locus for Leber Hereditary Optic Neuropathy. <i>Ophthalmic Genetics</i> , 2008, 29, 17-24.	0.5	105

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37	Optic neuropathies: the tip of the neurodegeneration iceberg. Human Molecular Genetics, 2017, 26, R139-R150.	1.4	101
38	Visual Dysfunction Without Retinitis in Patients With Acquired Immunodeficiency Syndrome. American Journal of Ophthalmology, 1992, 113, 8-13.	1.7	95
39	Drug-Related Mitochondrial Optic Neuropathies. Journal of Neuro-Ophthalmology, 2013, 33, 172-178.	0.4	93
40	SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF THE OPTIC DISK IN OPTIC NEUROPATHY. Retina, 2016, 36, S168-S177.	1.0	91
41	Microcystic macular degeneration from optic neuropathy: not inflammatory, not trans-synaptic degeneration. Brain, 2013, 136, e239-e239.	3.7	87
42	Efficacy and Safety of Intravitreal Gene Therapy for Leber Hereditary Optic Neuropathy Treated within 6 Months of Disease Onset. Ophthalmology, 2021, 128, 649-660.	2.5	87
43	Macular nerve fibre and ganglion cell layer changes in acute Leber's hereditary optic neuropathy. British Journal of Ophthalmology, 2016, 100, 1232-1237.	2.1	86
44	Î±-Tocotrienol quinone modulates oxidative stress response and the biochemistry of aging. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3693-3698.	1.0	85
45	Epidemic Optic Neuropathy in Cuba. JAMA Ophthalmology, 1994, 112, 691.	2.6	84
46	Optical coherence tomography can measure axonal loss in patients with ethambutol-induced optic neuropathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2005, 243, 410-416.	1.0	81
47	Retinal nerve fiber layer thickness in nonarteritic anterior ischemic optic neuropathy: OCT characterization of the acute and resolving phases. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 641-647.	1.0	81
48	Association of Optic Disc Size with Development and Prognosis of Leber's Hereditary Optic Neuropathy. , 2009, 50, 1666.		81
49	Retinal Ganglion Cells and Circadian Rhythms in Alzheimer's Disease, Parkinson's Disease, and Beyond. Frontiers in Neurology, 2017, 8, 162.	1.1	81
50	Patterns of Ganglion Cell Complex and Nerve Fiber Layer Loss in Nonarteritic Ischemic Optic Neuropathy by Fourier-Domain Optical Coherence Tomography. , 2012, 53, 4539.		79
51	Ophthalmologic findings in a large pedigree of 11778/Haplogroup J Leber hereditary optic neuropathy. American Journal of Ophthalmology, 2004, 137, 271-277.	1.7	78
52	Metabolic optic neuropathies. Seminars in Ophthalmology, 2002, 17, 29-32.	0.8	76
53	Optic Neuropathy Associated With Cryptococcal Arachnoiditis in AIDS Patients. American Journal of Ophthalmology, 1989, 107, 523-527.	1.7	75
54	Ultrasound-Based Quantification of Vitreous Floaters Correlates with Contrast Sensitivity and Quality of Life. Investigative Ophthalmology and Visual Science, 2015, 56, 1611-1617.	3.3	74

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55	Melanopsin-expressing retinal ganglion cells: implications for human diseases. <i>Vision Research</i> , 2011, 51, 296-302.	0.7	72
56	Accuracy of Diagnostic Imaging Modalities for Classifying Pediatric Eyes as Papilledema Versus Pseudopapilledema. <i>Ophthalmology</i> , 2017, 124, 1839-1848.	2.5	72
57	Macular holes and macular pucker: the role of vitreoschisis as imaged by optical coherence tomography/scanning laser ophthalmoscopy. <i>Transactions of the American Ophthalmological Society</i> , 2007, 105, 121-9; discussion 129-31.	1.4	72
58	Retinal Nerve Fiber Layer Thickness in Dominant Optic Atrophy. <i>Ophthalmology</i> , 2011, 118, 2076-2080.	2.5	71
59	The Pupil Light Reflex in Leber's Hereditary Optic Neuropathy: Evidence for Preservation of Melanopsin-Expressing Retinal Ganglion Cells. , 2013, 54, 4471.		70
60	Risk factors for ethambutol optic toxicity. <i>International Ophthalmology</i> , 2010, 30, 63-72.	0.6	67
61	Optical coherence tomography angiography of the optic disc; an overview. <i>Journal of Ophthalmic and Vision Research</i> , 2017, 12, 98.	0.7	67
62	Ethambutol-Induced Vacuolar Changes and Neuronal Loss in Rat Retinal Cell Culture: Mediation by Endogenous Zinc. <i>Toxicology and Applied Pharmacology</i> , 2000, 162, 107-114.	1.3	62
63	VITREO-PAPILLARY ADHESION IN MACULAR HOLE AND MACULAR PUCKER. <i>Retina</i> , 2009, 29, 644-650.	1.0	62
64	Targeting estrogen receptor β as preventive therapeutic strategy for Leber's hereditary optic neuropathy. <i>Human Molecular Genetics</i> , 2015, 24, ddv396.	1.4	62
65	Natural History of Conversion of Leber's Hereditary Optic Neuropathy. <i>Ophthalmology</i> , 2017, 124, 843-850.	2.5	59
66	Tumor necrosis factor-alpha (TNF- α)-induced optic neuropathy in rabbits. <i>Neurological Research</i> , 1996, 18, 176-184.	0.6	58
67	The Role of Copper on Ethambutol's Antimicrobial Action and Implications for Ethambutol-induced Optic Neuropathy. <i>Diagnostic Microbiology and Infectious Disease</i> , 1998, 30, 83-87.	0.8	57
68	Male Prevalence of Acquired Color Vision Defects in Asymptomatic Carriers of Leber's Hereditary Optic Neuropathy. , 2007, 48, 2362.		57
69	Update on ethambutol optic neuropathy. <i>Expert Opinion on Drug Safety</i> , 2006, 5, 615-618.	1.0	56
70	OPA1 Mutations Associated with Dominant Optic Atrophy Influence Optic Nerve Head Size. <i>Ophthalmology</i> , 2010, 117, 1547-1553.	2.5	56
71	Early Macular Retinal Ganglion Cell Loss in Dominant Optic Atrophy: Genotype-Phenotype Correlation. <i>American Journal of Ophthalmology</i> , 2014, 158, 628-636.e3.	1.7	56
72	The Retina in Alzheimer's Disease: Histomorphometric Analysis of an Ophthalmologic Biomarker. , 2019, 60, 1491.		55

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73	Vision Function in HIV-Infected Individuals without Retinitis: Report of the Studies of Ocular Complications of AIDS Research Group. <i>American Journal of Ophthalmology</i> , 2008, 145, 453-462.e1.	1.7	53
74	Peripapillary vessel density changes in Leber's hereditary optic neuropathy: a new biomarker. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 1055-1062.	1.3	53
75	Optical coherence tomography angiography in acute arteritic and non-arteritic anterior ischemic optic neuropathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 2255-2261.	1.0	52
76	The human accessory optic system. <i>Brain Research</i> , 1988, 454, 116-122.	1.1	51
77	Parsing the differences in affected with LHON: genetic versus environmental triggers of disease conversion. <i>Brain</i> , 2016, 139, e17-e17.	3.7	51
78	Retinal changes in COVID-19 hospitalized cases. <i>PLoS ONE</i> , 2020, 15, e0243346.	1.1	51
79	Topographic Macular Microvascular Changes and Correlation With Visual Loss in Chronic Leber Hereditary Optic Neuropathy. <i>American Journal of Ophthalmology</i> , 2018, 192, 217-228.	1.7	49
80	Paraphenylenediamine. <i>Journal of Neuropathology and Experimental Neurology</i> , 1983, 42, 200-206.	0.9	47
81	Ethambutol Optic Neuropathy: How We Can Prevent 100,000 New Cases of Blindness Each Year. <i>Journal of Neuro-Ophthalmology</i> , 2008, 28, 265-268.	0.4	47
82	Profound vision loss impairs psychological well-being in young and middle-aged individuals. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 417-427.	0.9	45
83	Subclinical carriers and conversions in Leber hereditary optic neuropathy: a prospective psychophysical study. <i>Transactions of the American Ophthalmological Society</i> , 2006, 104, 51-61.	1.4	43
84	Vitreopapillary adhesion in macular diseases. <i>Transactions of the American Ophthalmological Society</i> , 2009, 107, 35-44.	1.4	43
85	AIDS-related optic neuropathy: a histological, virological and ultrastructural study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1995, 233, 387-398.	1.0	42
86	Intravitreal Gene Therapy vs. Natural History in Patients With Leber Hereditary Optic Neuropathy Carrying the m.11778G>A ND4 Mutation: Systematic Review and Indirect Comparison. <i>Frontiers in Neurology</i> , 2021, 12, 662838.	1.1	42
87	Severe Visual Loss Related to Isolated Peripapillary Retinal and Optic Nerve Head Cytomegalovirus Infection. <i>American Journal of Ophthalmology</i> , 1989, 108, 691-698.	1.7	41
88	Chromatic and Luminance Contrast Sensitivities in Asymptomatic Carriers from a Large Brazilian Pedigree of 11778 Leber Hereditary Optic Neuropathy. , 2005, 46, 4809.		41
89	Three-dimensional computer-automated threshold Amsler grid test. <i>Journal of Biomedical Optics</i> , 2004, 9, 149.	1.4	39
90	Mitochondrial optic neuropathies: our travels from bench to bedside and back again. <i>Clinical and Experimental Ophthalmology</i> , 2013, 41, 702-712.	1.3	38

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91	Glaucoma as Neurodegeneration in the Brain. <i>Eye and Brain</i> , 2021, Volume 13, 21-28.	3.8	38
92	Mitochondrial dysfunction in optic neuropathies. <i>Current Opinion in Neurology</i> , 2013, 26, 52-58.	1.8	36
93	Receptor for advanced glycation end products is upregulated in optic neuropathy of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2009, 118, 381-389.	3.9	35
94	Retinal Nerve Fiber Layer Thickness Variability in Leber Hereditary Optic Neuropathy Carriers. <i>European Journal of Ophthalmology</i> , 2012, 22, 985-991.	0.7	35
95	A very large Brazilian pedigree with 11778 Leber's hereditary optic neuropathy. <i>Transactions of the American Ophthalmological Society</i> , 2002, 100, 169-78; discussion 178-9.	1.4	34
96	Leber Hereditary Optic Neuropathy Possibly Triggered by Exposure to Tire Fire. <i>Journal of Neuro-Ophthalmology</i> , 2006, 26, 268-272.	0.4	33
97	Association Between Retinal Nerve Fiber Layer Thickness and Abnormalities of Vision in People With Human Immunodeficiency Virus Infection. <i>American Journal of Ophthalmology</i> , 2012, 153, 734-742.e1.	1.7	33
98	Optical Coherence Tomography of the Retinal Ganglion Cell Complex in Leber's Hereditary Optic Neuropathy and Dominant Optic Atrophy. <i>Current Eye Research</i> , 2019, 44, 638-644.	0.7	33
99	Secondary Post-Geniculate Involvement in Leber's Hereditary Optic Neuropathy. <i>PLoS ONE</i> , 2012, 7, e50230.	1.1	33
100	SHORT COMMUNICATION: An immunohistochemical study of TNF- α in optic nerves from AIDS patients. <i>Current Eye Research</i> , 1997, 16, 1064-1068.	0.7	32
101	Retinal nerve fiber layer evaluation in human immunodeficiency virus-positive patients. <i>American Journal of Ophthalmology</i> , 2001, 131, 216-222.	1.7	32
102	SCOTOMAS OF AGE-RELATED MACULAR DEGENERATION DETECTED AND CHARACTERIZED BY MEANS OF A NOVEL THREE-DIMENSIONAL COMPUTER-AUTOMATED VISUAL FIELD TEST. <i>Retina</i> , 2005, 25, 446-453.	1.0	32
103	Pupillometry evaluation of melanopsin retinal ganglion cell function and sleep-wake activity in pre-symptomatic Alzheimer's disease. <i>PLoS ONE</i> , 2019, 14, e0226197.	1.1	31
104	Retinal nerve fiber layer thickness predicts CSF amyloid/tau before cognitive decline. <i>PLoS ONE</i> , 2020, 15, e0232785.	1.1	31
105	Optical coherence tomography can monitor reversible nerve-fibre layer changes in a patient with ethambutol-induced optic neuropathy. <i>British Journal of Ophthalmology</i> , 2007, 91, 839-840.	2.1	30
106	Changes in Choroidal Thickness follow the RNFL Changes in Leber's Hereditary Optic Neuropathy. <i>Scientific Reports</i> , 2016, 6, 37332.	1.6	30
107	Long-Term Follow-Up After Unilateral Intravitreal Gene Therapy for Leber Hereditary Optic Neuropathy: The RESTORE Study. <i>Journal of Neuro-Ophthalmology</i> , 2021, 41, 309-315.	0.4	30
108	The Eye as Metronome of the Body. <i>Survey of Ophthalmology</i> , 2002, 47, 17-26.	1.7	29

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109	Visual Electrophysiologic Findings in Patients From an Extensive Brazilian Family with Leber's Hereditary Optic Neuropathy Visual electrophysiology in LHON. Documenta Ophthalmologica, 2004, 108, 147-155.	1.0	29
110	A second hypothalamic nucleus receiving retinal input in man: the paraventricular nucleus. Brain Research, 1985, 340, 243-250.	1.1	28
111	Optic nerve histopathology in a case of Wolfram Syndrome: A mitochondrial pattern of axonal loss. Mitochondrion, 2013, 13, 841-845.	1.6	28
112	Comparison of Visual Function in Fellow Eyes after Bilateral Nonarteritic Anterior Ischemic Optic Neuropathy. Ophthalmology, 1997, 104, 104-111.	2.5	27
113	Quantitative analysis of central visual field defects in macular edema using three-dimensional computer-automated threshold Amsler grid testing. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 165-170.	1.0	27
114	First application of extremely high-resolution magnetic resonance imaging to study microscopic features of normal and LHON human optic nerve. Ophthalmology, 2002, 109, 1085-1091.	2.5	26
115	Distinguishing wet from dry age-related macular degeneration using three-dimensional computer-automated threshold Amsler grid testing. British Journal of Ophthalmology, 2011, 95, 1419-1423.	2.1	26
116	Axonal and Cell Body Protection By Nicotinamide Adenine Dinucleotide in Tumor Necrosis Factor-Induced Optic Neuropathy. Journal of Neuropathology and Experimental Neurology, 2009, 68, 915-927.	0.9	25
117	Retinal vessel calibre measurements by optical coherence tomography angiography. British Journal of Ophthalmology, 2017, 101, 989-992.	2.1	25
118	The Photopic Negative Response: An Objective Measure of Retinal Ganglion Cell Function in Patients With Leber's Hereditary Optic Neuropathy. , 2017, 58, BIO300.		25
119	Phosphorylated neurofilament heavy chain is a marker of neurodegeneration in Leber hereditary optic neuropathy (LHON). Molecular Vision, 2008, 14, 2443-50.	1.1	25
120	Optic neuropathy in Lhon and Leigh syndrome. Ophthalmology, 2001, 108, 1172-1173.	2.5	24
121	Early detection of glaucoma by means of a novel 3D computer-automated visual field test. British Journal of Ophthalmology, 2007, 91, 1331-1336.	2.1	24
122	Multifocal Electroretinography in HIV-Positive Patients without Infectious Retinitis. American Journal of Ophthalmology, 2008, 146, 579-588.	1.7	24
123	The effects of aging vitreous on contrast sensitivity function. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 919-925.	1.0	24
124	Macular Microcysts in Mitochondrial Optic Neuropathies: Prevalence and Retinal Layer Thickness Measurements. PLoS ONE, 2015, 10, e0127906.	1.1	24
125	Abnormalities of the optic disc. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2011, 102, 117-157.	1.0	22
126	Tracing axons in the human brain: A method utilizing light and TEM techniques. Journal of Electron Microscopy Technique, 1985, 2, 175-186.	1.1	21

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127	Is Leber Hereditary Optic Neuropathy Treatable? Encouraging Results With Idebenone in Both Prospective and Retrospective Trials and An Illustrative Case. <i>Journal of Neuro-Ophthalmology</i> , 2012, 32, 54-57.	0.4	21
128	Preliminary morphometric study of tumor necrosis factor-alpha (TNF α)-induced rabbit optic neuropathy. <i>Neurological Research</i> , 1996, 18, 233-236.	0.6	20
129	Quantifying Visual Dysfunction and the Response to Surgery in Macular Pucker. <i>Ophthalmology</i> , 2016, 123, 1500-1510.	2.5	20
130	Neuroanatomy of the human visual system: Part I Retinal projections to the LGN and pretectum as demonstrated with a new method. <i>Neuro-Ophthalmology</i> , 1986, 6, 353-361.	0.4	19
131	Retinal ganglion cell dysfunction in preclinical Alzheimer's disease: an electrophysiologic biomarker signature. <i>Scientific Reports</i> , 2021, 11, 6344.	1.6	19
132	Melanopsin-expressing retinal ganglion cells are resistant to cell injury, but not always. <i>Mitochondrion</i> , 2017, 36, 77-84.	1.6	18
133	Optical coherence tomography is a useful tool in the differentiation between true edema and pseudoedema of the optic disc. <i>PLoS ONE</i> , 2018, 13, e0208145.	1.1	18
134	Axonal Degeneration in Peripheral Nerves in a Case of Leber Hereditary Optic Neuropathy. <i>Journal of Neuro-Ophthalmology</i> , 2011, 31, 6-11.	0.4	17
135	Ultrastructural and paraffin studies of degeneration in the primate visual system: Degenerative remnants persist for much longer than expected. <i>Journal of Electron Microscopy Technique</i> , 1988, 8, 179-183.	1.1	16
136	Cost-Effectiveness of Limited Vitrectomy for Vision-Degrading Myodesopsia. <i>American Journal of Ophthalmology</i> , 2019, 204, 1-6.	1.7	16
137	Neuroanatomy of the human visual system: Part II Retinal projections to the superior colliculus and pulvinar. <i>Neuro-Ophthalmology</i> , 1986, 6, 363-370.	0.4	15
138	Neuroanatomy of the human visual system: Part III Three retinal projections to the hypothalamus. <i>Neuro-Ophthalmology</i> , 1986, 6, 371-379.	0.4	15
139	Chromatic Pupillometry Findings in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 780.	1.4	15
140	Optic and Peripheral Neuropathy in Cuba. <i>JAMA - Journal of the American Medical Association</i> , 1994, 271, 663.	3.8	14
141	Characterizing ethambutol-induced optic neuropathy with a 3D computer-automated threshold Amsler grid test. <i>Clinical and Experimental Ophthalmology</i> , 2008, 36, 484-488.	1.3	14
142	Proteomic Analysis of Embryonic and Young Human Vitreous. , 2015, 56, 7036.		14
143	OCT parameters of the optic nerve head and the retina as surrogate markers of brain volume in a normal population, a pilot study. <i>Journal of the Neurological Sciences</i> , 2021, 420, 117213.	0.3	14
144	Gene Therapies for the Treatment of Leber Hereditary Optic Neuropathy. <i>International Ophthalmology Clinics</i> , 2021, 61, 195-208.	0.3	14

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145	Neuron specific enolase in retinal detachment. <i>Current Eye Research</i> , 2001, 23, 382-385.	0.7	13
146	Novel 3D Computer-Automated Threshold Amsler Grid Visual Field Testing of Scotomas in Patients with Glaucoma. <i>European Journal of Ophthalmology</i> , 2009, 19, 776-782.	0.7	13
147	The retinal choroid as an oculovascular biomarker for Alzheimer's dementia: A histopathological study in severe disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 775-783.	1.2	13
148	Neuron-Specific Enolase Is Elevated in Asymptomatic Carriers of Leber's Hereditary Optic Neuropathy. , 2012, 53, 6389.		12
149	Comparing EPI-743 treatment in siblings with Leber's Hereditary Optic Neuropathy mt14484 mutation. <i>Canadian Journal of Ophthalmology</i> , 2013, 48, e130-e133.	0.4	12
150	Choroidal thickness and the retinal ganglion cell complex in chronic Leber's hereditary optic neuropathy: a prospective study using swept-source optical coherence tomography. <i>Eye</i> , 2020, 34, 1624-1630.	1.1	12
151	Retinal dysfunction characterizes subtypes of dominant optic atrophy. <i>Acta Ophthalmologica</i> , 2018, 96, e156-e163.	0.6	11
152	Pathophysiology of Conversion to Symptomatic Leber Hereditary Optic Neuropathy and Therapeutic Implications: a Review. <i>Current Neurology and Neuroscience Reports</i> , 2020, 20, 11.	2.0	11
153	Treatment of Leber's Hereditary Optic Neuropathy. <i>Current Pharmaceutical Design</i> , 2017, 23, 624-628.	0.9	11
154	Immunolocalization of IL-1 α and IL-6 in optic nerves of patients with AIDS. <i>Current Eye Research</i> , 1999, 19, 264-268.	0.7	10
155	Clues from Crouzon: Insights into the potential role of growth factors in the pathogenesis of myelinated retinal nerve fibers. <i>Journal of Current Ophthalmology</i> , 2016, 28, 232-236.	0.3	10
156	Correlation of optic disc morphometry and optic disc microvasculature assessed with optical coherence tomography angiography. <i>Canadian Journal of Ophthalmology</i> , 2018, 53, 595-599.	0.4	10
157	OCTA in neurodegenerative optic neuropathies: emerging biomarkers at the eye-brain interface. <i>Therapeutic Advances in Ophthalmology</i> , 2020, 12, 251584142095050.	0.8	10
158	PROSPECTIVE THREE-DIMENSIONAL ANALYSIS OF STRUCTURE AND FUNCTION IN VITREOMACULAR ADHESION CURED BY PHARMACOLOGIC VITREOLYSIS. <i>Retinal Cases and Brief Reports</i> , 2013, 7, 57-61.	0.3	9
159	Inner Retinal Optic Neuropathy: Vitreomacular Surgery-Associated Disruption of the Inner Retina. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 6756-6764.	3.3	9
160	Correcting Finger Counting to Snellen Acuity. <i>Neuro-Ophthalmology</i> , 2016, 40, 219-221.	0.4	9
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