

Piero Barboni

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

8,711
citations

38742

50
h-index

54911

84
g-index

173
all docs

173
docs citations

173
times ranked

6636
citing authors

#	ARTICLE	IF	CITATIONS
1	Melanopsin retinal ganglion cell loss in Alzheimer disease. <i>Annals of Neurology</i> , 2016, 79, 90-109.	5.3	299
2	Efficient mitochondrial biogenesis drives incomplete penetrance in Leber's hereditary optic neuropathy. <i>Brain</i> , 2014, 137, 335-353.	7.6	229
3	Retinal nerve fiber layer evaluation by optical coherence tomography in Leber's hereditary optic neuropathy. <i>Ophthalmology</i> , 2005, 112, 120-126.	5.2	222
4	Retinal ganglion cell neurodegeneration in mitochondrial inherited disorders. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 518-528.	1.0	204
5	Use of a Support Vector Machine for Keratoconus and Subclinical Keratoconus Detection by Topographic and Tomographic Data. <i>Ophthalmology</i> , 2012, 119, 2231-2238.	5.2	199
6	Idebenone Treatment In Leber's Hereditary Optic Neuropathy. <i>Brain</i> , 2011, 134, e188-e188.	7.6	192
7	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.	5.2	183
8	Correlation between retinal nerve fibre layer thickness and optic nerve head size: an optical coherence tomography study. <i>British Journal of Ophthalmology</i> , 2005, 89, 489-492.	3.9	180
9	Optical Coherence Tomography in Alzheimer's Disease: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0134750.	2.5	171
10	The influence of axial length on retinal nerve fibre layer thickness and optic-disc size measurements by spectral-domain OCT. <i>British Journal of Ophthalmology</i> , 2012, 96, 57-61.	3.9	170
11	Melanopsin retinal ganglion cells are resistant to neurodegeneration in mitochondrial optic neuropathies. <i>Brain</i> , 2010, 133, 2426-2438.	7.6	164
12	Effect of EPI-743 on the Clinical Course of the Mitochondrial Disease Leber Hereditary Optic Neuropathy. <i>Archives of Neurology</i> , 2012, 69, 331.	4.5	162
13	International Consensus Statement on the Clinical and Therapeutic Management of Leber Hereditary Optic Neuropathy. <i>Journal of Neuro-Ophthalmology</i> , 2017, 37, 371-381.	0.8	156
14	Syndromic parkinsonism and dementia associated with OPA1 missense mutations. <i>Annals of Neurology</i> , 2015, 78, 21-38.	5.3	154
15	Visual system involvement in patients with Friedreich's ataxia. <i>Brain</i> , 2009, 132, 116-123.	7.6	146
16	Detection and Quantification of Retinal Nerve Fiber Layer Thickness in Optic Disc Edema Using Stratus OCT. <i>JAMA Ophthalmology</i> , 2006, 124, 1111.	2.4	140
17	Repeatability of automatic measurements by a new Scheimpflug camera combined with Placido topography. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 1809-1816.	1.5	139
18	A neurodegenerative perspective on mitochondrial optic neuropathies. <i>Acta Neuropathologica</i> , 2016, 132, 789-806.	7.7	135

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19	Optical Coherence Tomography Angiography Macular and Peripapillary Vessel Perfusion Density in Healthy Subjects, Glaucoma Suspects, and Glaucoma Patients. , 2017, 58, 5713.		135
20	Deficit of in vivo mitochondrial ATP production in OPA1-related dominant optic atrophy. Annals of Neurology, 2004, 56, 719-723.	5.3	132
21	Retinal nerve fiber layer evaluation by optical coherence tomography in unaffected carriers with Leber's hereditary optic neuropathy mutations. Ophthalmology, 2005, 112, 127-131.	5.2	132
22	Leber's Hereditary Optic Neuropathy with Childhood Onset. , 2006, 47, 5303.		125
23	The ND1 gene of complex I is a mutational hot spot for Leber's hereditary optic neuropathy. Annals of Neurology, 2004, 56, 631-641.	5.3	102
24	Tear Meniscus Evaluation by Optical Coherence Tomography. Ophthalmic Surgery Lasers and Imaging Retina, 2006, 37, 112-118.	0.7	101
25	Intraocular Lens Power Calculation after Myopic Refractive Surgery. Ophthalmology, 2006, 113, 1271-1282.	5.2	92
26	Loss of temporal retinal nerve fibers in Parkinson disease: a mitochondrial pattern?. European Journal of Neurology, 2013, 20, 198-201.	3.3	92
27	Impaired complex I repair causes recessive Leber's hereditary optic neuropathy. Journal of Clinical Investigation, 2021, 131, .	8.2	89
28	Repeatability of automatic measurements performed by a dual Scheimpflug analyzer in unoperated and post-refractive surgery eyes. Journal of Cataract and Refractive Surgery, 2011, 37, 302-309.	1.5	87
29	Microcystic macular degeneration from optic neuropathy: not inflammatory, not trans-synaptic degeneration. Brain, 2013, 136, e239-e239.	7.6	87
30	Efficacy and Safety of Intravitreal Gene Therapy for Leber Hereditary Optic Neuropathy Treated within 6 Months of Disease Onset. Ophthalmology, 2021, 128, 649-660.	5.2	87
31	Macular nerve fibre and ganglion cell layer changes in acute Leber's hereditary optic neuropathy. British Journal of Ophthalmology, 2016, 100, 1232-1237.	3.9	86
32	Visual Performance of a New Extended Depth-of-Focus Intraocular Lens Compared to a Distance-Dominant Diffractive Multifocal Intraocular Lens. Journal of Refractive Surgery, 2018, 34, 228-235.	2.3	86
33	Comparison of anterior segment measurements by 3 Scheimpflug tomographers and 1 Placido corneal topographer. Journal of Cataract and Refractive Surgery, 2011, 37, 1679-1685.	1.5	82
34	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.	1.9	81
35	Association of Optic Disc Size with Development and Prognosis of Leber's Hereditary Optic Neuropathy. , 2009, 50, 1666.		81
36	Influence of Pupil Size and Cataract on Retinal Nerve Fiber Layer Thickness Measurements by Stratus OCT. Journal of Glaucoma, 2006, 15, 336-340.	1.6	78

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37	Clinical and brain bioenergetics improvement with idebenone in a patient with Leber's hereditary optic neuropathy: a clinical and ³¹ P-MRS study. <i>Journal of the Neurological Sciences</i> , 1997, 148, 25-31.	0.6	76
38	Rare Primary Mitochondrial DNA Mutations and Probable Synergistic Variants in Leber's Hereditary Optic Neuropathy. <i>PLoS ONE</i> , 2012, 7, e42242.	2.5	73
39	Defective brain and muscle energy metabolism shown by in vivo ³¹ P magnetic resonance spectroscopy in nonaffected carriers of 11778 mtDNA mutation. <i>Neurology</i> , 1995, 45, 1364-1369.	1.1	72
40	Retinal Nerve Fiber Layer Thickness in Dominant Optic Atrophy. <i>Ophthalmology</i> , 2011, 118, 2076-2080.	5.2	71
41	The Pupil Light Reflex in Leber's Hereditary Optic Neuropathy: Evidence for Preservation of Melanopsin-Expressing Retinal Ganglion Cells. , 2013, 54, 4471.		70
42	Comparison of methods to measure corneal power for intraocular lens power calculation using a rotating Scheimpflug camera. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 598-604.	1.5	69
43	Rare mtDNA variants in Leber hereditary optic neuropathy families with recurrence of myoclonus. <i>Neurology</i> , 2008, 70, 762-770.	1.1	66
44	SSBP1 mutations cause mtDNA depletion underlying a complex optic atrophy disorder. <i>Journal of Clinical Investigation</i> , 2019, 130, 108-125.	8.2	65
45	Spectral-domain optical coherence tomography for the diagnosis and follow-up of glaucoma. <i>Current Opinion in Ophthalmology</i> , 2011, 22, 115-123.	2.9	64
46	Idebenone treatment in patients with OPA1-mutant dominant optic atrophy. <i>Brain</i> , 2013, 136, e231-e231.	7.6	62
47	Correlation Between Attempted Correction and Keratometric Refractive Index of the Cornea After Myopic Excimer Laser Surgery. <i>Journal of Refractive Surgery</i> , 2007, 23, 461-466.	2.3	60
48	Natural History of Conversion of Leber's Hereditary Optic Neuropathy. <i>Ophthalmology</i> , 2017, 124, 843-850.	5.2	59
49	Intraocular Lens Power Calculation by Ray-Tracing after Myopic Excimer Laser Surgery. <i>American Journal of Ophthalmology</i> , 2014, 157, 150-153.e1.	3.3	58
50	Agreement Between Pentacam and Videokeratography in Corneal Power Assessment. <i>Journal of Refractive Surgery</i> , 2009, 25, 534-538.	2.3	58
51	OPA1 Mutations Associated with Dominant Optic Atrophy Influence Optic Nerve Head Size. <i>Ophthalmology</i> , 2010, 117, 1547-1553.	5.2	56
52	Early Macular Retinal Ganglion Cell Loss in Dominant Optic Atrophy: Genotype-Phenotype Correlation. <i>American Journal of Ophthalmology</i> , 2014, 158, 628-636.e3.	3.3	56
53	Leber's hereditary optic neuropathy. <i>Neurology</i> , 1991, 41, 1211-1211.	1.1	54
54	Grand Rounds: Could Occupational Exposure to n -Hexane and Other Solvents Precipitate Visual Failure in Leber Hereditary Optic Neuropathy?. <i>Environmental Health Perspectives</i> , 2007, 115, 113-115.	6.0	53

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55	Medical Management of Hereditary Optic Neuropathies. <i>Frontiers in Neurology</i> , 2014, 5, 141.	2.4	53
56	Peripapillary vessel density changes in Leber's hereditary optic neuropathy: a new biomarker. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 1055-1062.	2.6	53
57	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.	1.9	52
58	Corneal power measurements with the Pentacam Scheimpflug camera after myopic excimer laser surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2008, 34, 809-813.	1.5	51
59	Parsing the differences in affected with LHON: genetic versus environmental triggers of disease conversion. <i>Brain</i> , 2016, 139, e17-e17.	7.6	51
60	Mitochondrial DNA nucleotide changes C14482G and C14482A in the ND6 gene are pathogenic for Leber's hereditary optic neuropathy. <i>Annals of Neurology</i> , 2002, 51, 774-778.	5.3	50
61	Accuracy of Scheimpflug corneal power measurements for intraocular lens power calculation. <i>Journal of Cataract and Refractive Surgery</i> , 2009, 35, 1193-1197.	1.5	50
62	Behr syndrome™ with OPA1 compound heterozygote mutations. <i>Brain</i> , 2015, 138, e321-e321.	7.6	50
63	Filtering blebs imaging by optical coherence tomography. <i>Clinical and Experimental Ophthalmology</i> , 2005, 33, 483-489.	2.6	49
64	Narcolepsy is a common phenotype in HSAN IE and ADCA-DN. <i>Brain</i> , 2014, 137, 1643-1655.	7.6	49
65	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.	3.3	49
66	Influence of corneal asphericity on the refractive outcome of intraocular lens implantation in cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2015, 41, 785-789.	1.5	47
67	Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leber™s hereditary optic neuropathy. <i>PLoS Genetics</i> , 2018, 14, e1007210.	3.5	47
68	Ocular Surface Changes in Laser in situ Keratomileusis-induced Neurotrophic Epitheliopathy. <i>Journal of Refractive Surgery</i> , 2004, 20, 803-809.	2.3	47
69	Pancreatic lipase-related protein 1 (PLRP1) is present in the pancreatic juice of several species. <i>BBA - Proteins and Proteomics</i> , 1998, 1387, 331-341.	2.1	46
70	Leber's Hereditary Optic Neuropathy (LHON) with 14484/ND6 mutation in a North African patient. <i>Journal of the Neurological Sciences</i> , 1998, 160, 183-188.	0.6	46
71	Phosphorus MR spectroscopy shows a tissue specific in vivo distribution of biochemical expression of the G3460A mutation in Leber's hereditary optic neuropathy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002, 72, 805-807.	1.9	46
72	Scheimpflug analysis of corneal power changes after myopic excimer laser surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 605-610.	1.5	46

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73	Intraocular lens power calculation after myopic excimer laser surgery: Clinical comparison of published methods. <i>Journal of Cataract and Refractive Surgery</i> , 2010, 36, 1455-1465.	1.5	45
74	Therapeutic Options in Hereditary Optic Neuropathies. <i>Drugs</i> , 2021, 81, 57-86.	10.9	44
75	Comparison of formula accuracy for intraocular lens power calculation based on measurements by a swept-source optical coherence tomography optical biometer. <i>Journal of Cataract and Refractive Surgery</i> , 2020, 46, 27-33.	1.5	44
76	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
77	Retinal Function and Neural Conduction Along the Visual Pathways in Affected and Unaffected Carriers With Leber's Hereditary Optic Neuropathy. , 2013, 54, 6893.		39
78	A Novel in-Frame 18-bp Microdeletion in <i>MT-CYB</i> Causes a Multisystem Disorder with Prominent Exercise Intolerance. <i>Human Mutation</i> , 2014, 35, 954-958.	2.5	38
79	Intraocular lens power calculation after myopic excimer laser surgery: Selecting the best method using available clinical data. <i>Journal of Cataract and Refractive Surgery</i> , 2015, 41, 1880-1888.	1.5	37
80	Natural history of patients with Leber hereditary optic neuropathy—results from the REALITY study. <i>Eye</i> , 2022, 36, 818-826.	2.1	37
81	X-inactivation patterns in female Leber's hereditary optic neuropathy patients do not support a strong X-linked determinant. , 1996, 61, 356-362.		36
82	Retinal Nerve Fiber Layer Thickness Measurement by Fourier-domain Optical Coherence Tomography: A Comparison Between Cirrus-HD OCT and RTVue in Healthy Eyes. <i>Journal of Glaucoma</i> , 2010, 19, 369-372.	1.6	36
83	Defective Mitochondrial Adenosine Triphosphate Production in Skeletal Muscle From Patients With Dominant Optic Atrophy Due to OPA1 Mutations. <i>Archives of Neurology</i> , 2011, 68, 67-73.	4.5	36
84	A clinically complex form of dominant optic atrophy (OPA8) maps on chromosome 16. <i>Human Molecular Genetics</i> , 2011, 20, 1893-1905.	2.9	36
85	Accuracy of corneal power measurements by a new Scheimpflug camera combined with Placido-disk corneal topography for intraocular lens power calculation in unoperated eyes. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 787-792.	1.5	36
86	The Effect of Scan Diameter on Retinal Nerve Fiber Layer Thickness Measurement Using Stratus Optic Coherence Tomography. <i>JAMA Ophthalmology</i> , 2007, 125, 901.	2.4	35
87	Accuracy of a dual Scheimpflug analyzer and a corneal topography system for intraocular lens power calculation in unoperated eyes. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 72-76.	1.5	35
88	Retinal Nerve Fiber Layer Thickness Variability in Leber Hereditary Optic Neuropathy Carriers. <i>European Journal of Ophthalmology</i> , 2012, 22, 985-991.	1.3	35
89	Retinitis pigmentosa, ataxia, and mental retardation associated with mitochondrial DNA mutation in an Italian family.. <i>British Journal of Ophthalmology</i> , 1993, 77, 84-88.	3.9	34
90	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.	1.5	33

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91	Calcium mishandling in absence of primary mitochondrial dysfunction drives cellular pathology in Wolfram Syndrome. <i>Scientific Reports</i> , 2020, 10, 4785.	3.3	33
92	Secondary Post-Geniculate Involvement in Leber's Hereditary Optic Neuropathy. <i>PLoS ONE</i> , 2012, 7, e50230.	2.5	33
93	Influence of axial length and corneal power on the astigmatic power of toric intraocular lenses. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 1900-1903.	1.5	31
94	ATPase Domain <i>AFG3L2</i> Mutations Alter <i>OPA1</i> Processing and Cause Optic Neuropathy. <i>Annals of Neurology</i> , 2020, 88, 18-32.	5.3	31
95	Accuracy of a New Swept-Source Optical Coherence Tomography Biometer for IOL Power Calculation and Comparison to IOLMaster. <i>Journal of Refractive Surgery</i> , 2017, 33, 690-695.	2.3	31
96	Changes in Choroidal Thickness follow the RNFL Changes in Leber's Hereditary Optic Neuropathy. <i>Scientific Reports</i> , 2016, 6, 37332.	3.3	30
97	Influence of intraocular lens haptic design on refractive error. <i>Journal of Cataract and Refractive Surgery</i> , 2014, 40, 1473-1478.	1.5	29
98	Diffusion Tensor Imaging Mapping of Brain White Matter Pathology in Mitochondrial Optic Neuropathies. <i>American Journal of Neuroradiology</i> , 2015, 36, 1259-1265.	2.4	28
99	Reassessment of HLA association with celiac disease in special reference to the DP association. <i>Human Immunology</i> , 1990, 29, 263-274.	2.4	26
100	First application of extremely high-resolution magnetic resonance imaging to study microscopic features of normal and LHON human optic nerve. <i>Ophthalmology</i> , 2002, 109, 1085-1091.	5.2	26
101	Idebenone increases chance of stabilization/recovery of visual acuity in <i>OPA1</i> -dominant optic atrophy. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 590-594.	3.7	26
102	Repeatability of Optic Nerve Head Parameters Measured by Spectral-Domain OCT in Healthy Eyes. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2011, 42, 209-215.	0.7	26
103	Scheimpflug Camera Measurement of Anterior and Posterior Corneal Curvature in Eyes With Previous Radial Keratotomy. <i>Journal of Refractive Surgery</i> , 2012, 28, 275-279.	2.3	25
104	The Photopic Negative Response: An Objective Measure of Retinal Ganglion Cell Function in Patients With Leber's Hereditary Optic Neuropathy. , 2017, 58, BIO300.		25
105	Intraocular lens power calculation using a Placido disk-Scheimpflug tomographer in eyes that had previous myopic corneal excimer laser surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2018, 44, 935-941.	1.5	25
106	Brain and muscle energy metabolism studied in vivo by ³¹ P-magnetic resonance spectroscopy in NARP syndrome.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 1492-1496.	1.9	24
107	The 13042G->A/ND5 mutation in mtDNA is pathogenic and can be associated also with a prevalent ocular phenotype. <i>Journal of Medical Genetics</i> , 2005, 43, e38-e38.	3.2	24
108	Macular Microcysts in Mitochondrial Optic Neuropathies: Prevalence and Retinal Layer Thickness Measurements. <i>PLoS ONE</i> , 2015, 10, e0127906.	2.5	24

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109	Corneal melting associated with topical diclofenac use after laser-assisted subepithelial keratectomy. <i>Journal of Cataract and Refractive Surgery</i> , 2006, 32, 1570-1572.	1.5	23
110	Effect of pupil dilation on retinal nerve fibre layer thickness measurements and their repeatability with Cirrus HD-OCT. <i>Eye</i> , 2010, 24, 1503-1508.	2.1	23
111	Abnormal lactate after effort in healthy carriers of Leber's hereditary optic neuropathy.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1995, 58, 640-641.	1.9	21
112	Optical coherence tomography angiography of the peripapillary retina and optic nerve head in dominant optic atrophy. <i>Mitochondrion</i> , 2017, 36, 60-65.	3.4	21
113	Pseudodoubling of the Optic Disc. <i>JAMA Ophthalmology</i> , 1998, 116, 1400.	2.4	19
114	Agreement Between Stratus and Visante Optical Coherence Tomography Systems in Tear Meniscus Measurements. <i>Cornea</i> , 2009, 28, 148-151.	1.7	19
115	Clinical relevance of radius of curvature error in corneal power measurements after excimer laser surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2010, 36, 82-86.	1.5	19
116	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.	2.5	18
117	Anterior Chamber Depth Measurement in Pseudophakic Eyes: A Comparison of Pentacam and Ultrasound. <i>Journal of Refractive Surgery</i> , 2010, 26, 341-347.	2.3	18
118	Cybrid studies establish the causal link between the mtDNA m.3890G>A/MT-ND1 mutation and optic atrophy with bilateral brainstem lesions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 445-452.	3.8	17
119	Comparison of Optic Nerve Head Parameter Measurements Obtained by Time-domain and Spectral-domain Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2013, 22, 384-389.	1.6	17
120	Peripapillary hyperreflective ovoid mass-like structures (PHOMS): OCTA may reveal new findings. <i>Eye</i> , 2021, 35, 528-531.	2.1	15
121	Accuracy of optical biometry combined with Placido disc corneal topography for intraocular lens power calculation. <i>PLoS ONE</i> , 2017, 12, e0172634.	2.5	15
122	First TMEM126A missense mutation in an Italian proband with optic atrophy and deafness. <i>Neurology: Genetics</i> , 2019, 5, e329.	1.9	14
123	Multifocal VEP provide electrophysiological evidence of predominant dysfunction of the optic nerve fibers derived from the central retina in Leber's hereditary optic neuropathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1591-1600.	1.9	13
124	Functional Changes of Retinal Ganglion Cells and Visual Pathways in Patients with Chronic Leber's Hereditary Optic Neuropathy during One Year of Follow-up. <i>Ophthalmology</i> , 2019, 126, 1033-1044.	5.2	13
125	Mitochondrial ophthalmology. , 2006, , 105-142.		13
126	Ocular findings in mitochondrial neurogastrointestinal encephalomyopathy: a case report. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 878-880.	1.9	12

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127	Validation of the SToP formula for calculating intraocular lens power in eyes with previous myopic excimer laser surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 1562-1567.	1.5	12
128	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.	2.1	12
129	Retinal dysfunction characterizes subtypes of dominant optic atrophy. <i>Acta Ophthalmologica</i> , 2018, 96, e156-e163.	1.1	11
130	Outcomes of IOL power calculation using measurements by a rotating Scheimpflug camera combined with partial coherence interferometry. <i>Journal of Cataract and Refractive Surgery</i> , 2020, 46, 1618-1623.	1.5	11
131	Hemorrhagic Occlusive Retinal Vasculitis After First Eye Cataract Surgery Without Subsequent Second Eye Involvement. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2016, 47, 764-766.	0.7	9
132	Corneal Asphericity and IOL Power Calculation in Eyes With Aspherical IOLs. <i>Journal of Refractive Surgery</i> , 2017, 33, 476-481.	2.3	9
133	Agreement Between Predicted and Measured Ablation Depth After Femtosecond Laser-Assisted LASIK for Myopia. <i>Journal of Refractive Surgery</i> , 2016, 32, 164-170.	2.3	9
134	Combined Optic Atrophy and Roden's Cone Dystrophy Expands the RTN4IP1 (Optic Atrophy 10) Phenotype. <i>Journal of Neuro-Ophthalmology</i> , 2021, 41, e290-e292.	0.8	9
135	Correlation between attempted correction and keratometric refractive index of the cornea after myopic excimer laser surgery. <i>Journal of Refractive Surgery</i> , 2007, 23, 461-6.	2.3	9
136	The Incidence and Risk Factors for Developing Dry Eye After Myopic LASIK. <i>American Journal of Ophthalmology</i> , 2006, 142, 355-356.	3.3	8
137	Comparison of Refractive Stability After Non-toric Versus Toric Intraocular Lens Implantation During Cataract Surgery. <i>American Journal of Ophthalmology</i> , 2014, 157, 658-665.e1.	3.3	8
138	Ocular surface changes in laser in situ keratomileusis-induced neurotrophic epitheliopathy. <i>Journal of Refractive Surgery</i> , 2004, 20, 803-9.	2.3	8
139	Capturing the Pattern of Transition From Carrier to Affected in Leber Hereditary Optic Neuropathy. <i>American Journal of Ophthalmology</i> , 2022, 241, 71-79.	3.3	8
140	Agreement between optical coherence tomography and digital stereophotography in vertical cup-to-disc ratio measurement. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 377-383.	1.9	7
141	Optical Coherence Tomography for Optic Disc Edema. <i>JAMA Ophthalmology</i> , 2011, 129, 1245.	2.4	7
142	Polysomnographic and neurometabolic features may mark preclinical autosomal dominant cerebellar ataxia, deafness, and narcolepsy due to a mutation in the DNA (cytosine-5)-methyltransferase gene, DNMT1. <i>Sleep Medicine</i> , 2014, 15, 582-585.	1.6	6
143	Mitochondrial DNA analysis in Leber's hereditary optic neuropathy. <i>Ophthalmic Paediatrics and Genetics</i> , 1992, 13, 219-226.	0.4	5
144	Orbital color Doppler ultrasound as noninvasive tool in the diagnosis of anterior-draining carotid-cavernous fistula. <i>Radiologia Medica</i> , 2016, 121, 301-307.	7.7	5

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145	Brain functional MRI responses to blue light stimulation in Leber's hereditary optic neuropathy. <i>Biochemical Pharmacology</i> , 2021, 191, 114488.	4.4	5
146	Melanopsin retinal ganglion cells and circadian dysfunction in Alzheimer's disease. <i>Acta Ophthalmologica</i> , 2013, 91, 0-0.	1.1	5
147	The Pattern of Retinal Ganglion Cell Loss in Wolfram Syndrome is Distinct From Mitochondrial Optic Neuropathies. <i>American Journal of Ophthalmology</i> , 2022, 241, 206-216.	3.3	5
148	Congenital encephalomyopathy with epilepsy, chorioretinitis, basal ganglia involvement, and muscle minicores. <i>Annals of Neurology</i> , 2000, 47, 395-399.	5.3	4
149	Optic Nerve Structure in Healthy Subjects. <i>JAMA Ophthalmology</i> , 2006, 124, 1507.	2.4	4
150	Hearing Dysfunction in a Large Family Affected by Dominant Optic Atrophy (OPA8-Related DOA): A Human Model of Hidden Auditory Neuropathy. <i>Frontiers in Neuroscience</i> , 2019, 13, 501.	2.8	4
151	Precision and Normative Values of a New Computerized Chart for Contrast Sensitivity Testing. <i>Scientific Reports</i> , 2019, 9, 16537.	3.3	4
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