

# Jack T Holladay

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

6,613  
citations

136885

32  
h-index

66879

78  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proper Method for Calculating Average Visual Acuity. <i>Journal of Refractive Surgery</i> , 1997, 13, 388-391.	1.1	925
2	A three-part system for refining intraocular lens power calculations. <i>Journal of Cataract and Refractive Surgery</i> , 1988, 14, 17-24.	0.7	699
3	Visual acuity measurements. <i>Journal of Cataract and Refractive Surgery</i> , 2004, 30, 287-290.	0.7	535
4	Accuracy of Intraocular Lens Calculation Formulas. <i>Ophthalmology</i> , 2018, 125, 169-178.	2.5	410
5	Analysis of aggregate surgically induced refractive change, prediction error, and intraocular astigmatism. <i>Journal of Cataract and Refractive Surgery</i> , 2001, 27, 61-79.	0.7	285
6	Calculating the surgically induced refractive change following ocular surgery. <i>Journal of Cataract and Refractive Surgery</i> , 1992, 18, 429-443.	0.7	281
7	Mean Visual Acuity. <i>American Journal of Ophthalmology</i> , 1991, 111, 372-374.	1.7	279
8	Functional vision and corneal changes after laser in situ keratomileusis determined by contrast sensitivity, glare testing, and corneal topography. <i>Journal of Cataract and Refractive Surgery</i> , 1999, 25, 663-669.	0.7	271
9	Standardizing constants for ultrasonic biometry, keratometry, and intraocular lens power calculations. <i>Journal of Cataract and Refractive Surgery</i> , 1997, 23, 1356-1370.	0.7	225
10	Evaluating and reporting astigmatism for individual and aggregate data. <i>Journal of Cataract and Refractive Surgery</i> , 1998, 24, 57-65.	0.7	168
11	A new intraocular lens design to reduce spherical aberration of pseudophakic eyes. <i>Journal of Refractive Surgery</i> , 2002, 18, 683-91.	1.1	167
12	Achieving Emmetropia in Extremely Short Eyes with Two Piggyback Posterior Chamber Intraocular Lenses. <i>Ophthalmology</i> , 1996, 103, 1118-1123.	2.5	163
13	The Relationship of Visual Acuity, Refractive Error, and Pupil Size After Radial Keratotomy. <i>JAMA Ophthalmology</i> , 1991, 109, 70.	2.6	158
14	Topographic changes in corneal asphericity and effective optical zone after laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2002, 28, 942-947.	0.7	151
15	Analysis of edge glare phenomena in intraocular lens edge designs. <i>Journal of Cataract and Refractive Surgery</i> , 1999, 25, 748-752.	0.7	132
16	Pursuing perfection in intraocular lens calculations. <i>Journal of Cataract and Refractive Surgery</i> , 2018, 44, 1169-1174.	0.7	125
17	Refractive Power Calculations for Intraocular Lenses in the Phakic Eye. <i>American Journal of Ophthalmology</i> , 1993, 116, 63-66.	1.7	119
18	Corneal topography using the Holladay Diagnostic Summary. <i>Journal of Cataract and Refractive Surgery</i> , 1997, 23, 209-221.	0.7	102

#	ARTICLE	IF	CITATIONS
19	Special Report: American Academy of Ophthalmology Task Force Consensus Statement for Extended Depth of Focus Intraocular Lenses. <i>Ophthalmology</i> , 2017, 124, 139-141.	2.5	100
20	Intraocular lens power calculations in patients with extreme myopia. <i>Journal of Cataract and Refractive Surgery</i> , 2000, 26, 668-674.	0.7	95
21	Corneal Power Measurements Using Scheimpflug Imaging in Eyes With Prior Corneal Refractive Surgery. <i>Journal of Refractive Surgery</i> , 2009, 25, 862-868.	1.1	89
22	Comparison of changes in manifest refraction and corneal power after photorefractive keratectomy. <i>American Journal of Ophthalmology</i> , 2000, 129, 68-75.	1.7	87
23	Negative dysphotopsia: The enigmatic penumbra. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1251-1265.	0.7	78
24	Negative dysphotopsia: Causes and rationale for prevention and treatment. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 263-275.	0.7	71
25	Evaluating the intraocular lens optic. <i>Survey of Ophthalmology</i> , 1986, 30, 385-390.	1.7	69
26	Keratoconus Detection Using Corneal Topography. <i>Journal of Refractive Surgery</i> , 2009, 25, S958-62.	1.1	60
27	Review and recommendations for univariate statistical analysis of spherical equivalent prediction error for IOL power calculations. <i>Journal of Cataract and Refractive Surgery</i> , 2021, 47, 65-77.	0.7	59
28	Corneal optical irregularity after excimer laser photorefractive keratectomy. <i>Journal of Cataract and Refractive Surgery</i> , 1996, 22, 197-204.	0.7	57
29	Evaluation of relationships among refractive and topographic parameters. <i>Journal of Cataract and Refractive Surgery</i> , 1999, 25, 814-820.	0.7	51
30	Relationship of the actual thick intraocular lens optic to the thin lens equivalent. <i>American Journal of Ophthalmology</i> , 1998, 126, 339-347.	1.7	42
31	Ultrasonographic measurement of induced myopia associated with capsular bag distention syndrome. <i>Ophthalmology</i> , 2000, 107, 902-908.	2.5	37
32	The optimal size of a posterior capsulotomy. <i>Journal - American Intra-Ocular Implant Society</i> , 1985, 11, 18-20.	0.5	34
33	Intraocular lens resolution in air and water. <i>Journal of Cataract and Refractive Surgery</i> , 1987, 13, 511-517.	0.7	30
34	Special Report: American Academy of Ophthalmology Task Force Recommendations for Specular Microscopy for Phakic Intraocular Lenses. <i>Ophthalmology</i> , 2017, 124, 141-142.	2.5	30
35	Improving toric intraocular lens calculations using total surgically induced astigmatism for a 2.5 mm temporal incision. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 272-283.	0.7	30
36	Diagnosis and treatment of mysterious light streaks seen by patients following extracapsular cataract extraction. <i>Journal - American Intra-Ocular Implant Society</i> , 1985, 11, 21-23.	0.5	29

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37	Accurate Ultrasonic Biometry in Pseudophakia. American Journal of Ophthalmology, 1989, 107, 189-190.	1.7	27
38	Silicone intraocular lens resolution in air and in water. Journal of Cataract and Refractive Surgery, 1988, 14, 657-659.	0.7	22
39	Accurate Ultrasonic Biometry in Pseudophakia. American Journal of Ophthalmology, 1993, 115, 536-537.	1.7	22
40	Optical Quality and Refractive Surgery. International Ophthalmology Clinics, 2003, 43, 119-136.	0.3	21
41	Apparent chord mu and actual chord mu and their clinical value. Journal of Cataract and Refractive Surgery, 2019, 45, 1198-1199.	0.7	20
42	&lt;p&gt;The Effect of Lifitegrast on Refractive Accuracy and Symptoms in Dry Eye Patients Undergoing Cataract Surgery&lt;/p&gt;. Clinical Ophthalmology, 2020, Volume 14, 2709-2716.	0.9	20
43	Special Report: American Academy of Ophthalmology Task Force Recommendations for Test Methods to Assess Accommodation Produced by Intraocular Lenses. Ophthalmology, 2017, 124, 134-139.	2.5	18
44	Intraocular Lens Power Calculations for Multifocal Intraocular Lenses. American Journal of Ophthalmology, 1992, 114, 405-408.	1.7	17
45	Astigmatism analysis and reporting of surgically induced astigmatism and prediction error. Journal of Cataract and Refractive Surgery, 2022, 48, 799-812.	0.7	16
46	Avoiding refractive problems in cataract surgery. Survey of Ophthalmology, 1988, 32, 357-360.	1.7	14
47	The optics of the human eye at 8.6Åµm resolution. Scientific Reports, 2021, 11, 23334.	1.6	13
48	Near vision contrast sensitivity after photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1997, 23, 192-195.	0.7	12
49	Effect of Cyclosporine 0.09% Treatment on Accuracy of Preoperative Biometry and Higher Order Aberrations in Dry Eye Patients Undergoing Cataract Surgery. Clinical Ophthalmology, 2021, Volume 15, 3679-3686.	0.9	12
50	Silicone Intraocular Lens Power vs Temperature. American Journal of Ophthalmology, 1989, 107, 428-429.	1.7	11
51	Special Report: American Academy of Ophthalmology Task Force Summary Statement for Measurement of Tilt, Decentration, and Chord Length. Ophthalmology, 2017, 124, 144-146.	2.5	10
52	Rethinking the optimal methods for vector analysis of astigmatism. Journal of Cataract and Refractive Surgery, 2021, 47, 100-105.	0.7	10
53	Snellen Equivalent for the Bailey-Lovie Acuity Chart. JAMA Ophthalmology, 1989, 107, 955.	2.6	8
54	Night vision complaints after LASIK. Ophthalmology, 2004, 111, 1620-1621.	2.5	8

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55	Exact Toric Intraocular Lens Calculations Using Currently Available Lens Constants. JAMA Ophthalmology, 2012, 130, 946.	2.6	8
56	Residual astigmatism with toric intraocular lens misalignment. Journal of Cataract and Refractive Surgery, 2020, 46, 1208-1209.	0.7	8
57	Accuracy of Scheimpflug Holladay equivalent keratometry readings after corneal refractive surgery. Journal of Cataract and Refractive Surgery, 2010, 36, 182-183.	0.7	7
58	Reply: Etiology of negative dysphotopsia. Journal of Cataract and Refractive Surgery, 2013, 39, 486e1-486e4.	0.7	7
59	International Intraocular Lens & Implant Registry 2003. Journal of Cataract and Refractive Surgery, 2003, 29, 176-197.	0.7	6
60	Special Report: The American Academy of Ophthalmology Task Force Consensus Statement on Adverse Events with Intraocular Lenses. Ophthalmology, 2017, 124, 142-144.	2.5	6
61	Special Report: The American Academy of Ophthalmology Task Force for Developing Novel End Points for Premium Intraocular Lenses Introduction. Ophthalmology, 2017, 124, 133-134.	2.5	5
62	Congenital Idiopathic Microcoria. American Journal of Ophthalmology, 1989, 107, 439.	1.7	4
63	The Intersection of Optics and Neuro-Ophthalmology. Journal of Neuro-Ophthalmology, 2015, 35, 109-111.	0.4	4
64	Calculation of total surgically induced astigmatism with a toric intraocular lens. Journal of Cataract and Refractive Surgery, 2020, 46, 793-794.	0.7	4
65	International Intraocular Lens & Implant Registry 2000. Journal of Cataract and Refractive Surgery, 2000, 26, 118-134.	0.7	3
66	International Intraocular Lens & Implant Registry 2002. Journal of Cataract and Refractive Surgery, 2002, 28, 152-174.	0.7	3
67	Corneal refractive power after myopic LASIK. Ophthalmology, 2003, 110, 1857.	2.5	3
68	International Intraocular Lens & Implant Registry 2004. Journal of Cataract and Refractive Surgery, 2004, 30, 207-229.	0.7	3
69	Re: Wang etÂal.: Comparison of newer intraocular lens power calculation methods for eyes after corneal refractive surgery (Ophthalmology 2015;122:2443-9). Ophthalmology, 2016, 123, e55-e56.	2.5	3
70	July consultation #5. Journal of Cataract and Refractive Surgery, 2013, 39, 1125-1126.	0.7	2
71	Intraocular lens calculations using the Holladay toric calculator. Journal of Cataract and Refractive Surgery, 2016, 42, 1694-1695.	0.7	2
72	Re: Hoffer etÂal.: Update on intraocular lens power calculation study protocols: the better way to design and report clinical trials (Ophthalmology. 2020; Jul 9 [Epub ahead of print]). Ophthalmology, 2021, 128, e20.	2.5	2

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73	Intraocular Lens Power Calculations: Correction of Defocus. , 2005, , 21-38.		2
74	Total Keratometric Power (TKP) versus Total Corneal Power (TCP). Journal of Cataract and Refractive Surgery, 2022, Publish Ahead of Print, .	0.7	2
75	International intraocular lens registry. Journal of Cataract and Refractive Surgery, 1999, 25, 128-136.	0.7	1
76	International Intraocular Lens & Implant Registry. Journal of Cataract and Refractive Surgery, 2001, 27, 143-164.	0.7	1
77	Interpretation of doubled-angle plots. Journal of Cataract and Refractive Surgery, 2013, 39, 1627-1628.	0.7	1
78	Improved Accuracy With a Vergence-Based Online Toric Intraocular Lens Back-calculator. Journal of Refractive Surgery, 2018, 34, 639-639.	1.1	1
79	Reply. Journal of Cataract and Refractive Surgery, 2019, 45, 255-256.	0.7	1
80	Refractive surgical problem: Reply. Journal of Cataract and Refractive Surgery, 2002, 28, 741.	0.7	0
81	Calculating equivalent K readings. Journal of Cataract and Refractive Surgery, 2011, 37, 1738.	0.7	0
82	Reply. Ophthalmology, 2017, 124, e67.	2.5	0
83	Reply. Ophthalmology, 2018, 125, e40-e41.	2.5	0
84	Reply. Journal of Cataract and Refractive Surgery, 2019, 45, 1210-1211.	0.7	0