J Bradley Randleman

List of Publications by Year
in descending order

132 papers	6,987 citations	81889 39 h-index	60616 81 g-index
137 all docs	137 docs citations	137 times ranked	2902 citing authors

#	Article	IF	Citations
1	Risk Assessment for Ectasia after Corneal Refractive Surgery. Ophthalmology, 2008, 115, 37-50.e4.	5.2	607
2	Risk factors and prognosis for corneal ectasia after LASIK. Ophthalmology, 2003, 110, 267-275.	5.2	591
3	Dissatisfaction after multifocal intraocular lens implantation. Journal of Cataract and Refractive Surgery, 2009, 35, 992-997.	1.5	348
4	Mathematical Model to Compare the Relative Tensile Strength of the Cornea After PRK, LASIK, and Small Incision Lenticule Extraction. Journal of Refractive Surgery, 2013, 29, 454-460.	2.3	287
5	Corneal Ectasia After Laser In Situ Keratomileusis in Patients Without Apparent Preoperative Risk Factors. Cornea, 2006, 25, 388-403.	1.7	228
6	Validation of the Ectasia Risk Score System for Preoperative Laser In Situ Keratomileusis Screening. American Journal of Ophthalmology, 2008, 145, 813-818.e2.	3.3	225
7	Depth-dependent Cohesive Tensile Strength in Human Donor Corneas: Implications for Refractive Surgery. Journal of Refractive Surgery, 2008, 24, S85-9.	2.3	205
8	The Resident Surgeon Phacoemulsification Learning Curve. JAMA Ophthalmology, 2007, 125, 1215.	2.4	204
9	Association Between the Percent Tissue Altered and Postâ€“Laser In Situ Keratomileusis Ectasia in Eyes With Normal Preoperative Topography. American Journal of Ophthalmology, 2014, 158, 87-95.e1.	3.3	183
10	Post-laser in-situ keratomileusis ectasia: current understanding and future directions. Current Opinion in Ophthalmology, 2006, 17, 406-412.	2.9	179
11	SD-OCT Analysis of Regional Epithelial Thickness Profiles in Keratoconus, Postoperative Corneal Ectasia, and Normal Eyes. Journal of Refractive Surgery, 2013, 29, 173-179.	2.3	156
12	Corneal Ectasia After Excimer Laser Keratorefractive Surgery: Histopathology, Ultrastructure, and Pathophysiology. Ophthalmology, 2008, 115, 2181-2191.e1.	5.2	154
13	Corneal cross-linking. Survey of Ophthalmology, 2015, 60, 509-523.	4.0	148
14	Prevalence of keratoconus in paediatric patients in Riyadh, Saudi Arabia. British Journal of Ophthalmology, 2018, 102, 1436-1441.	3.9	145
15	JRS Standard for Reporting Astigmatism Outcomes of Refractive Surgery. Journal of Refractive Surgery, 2014, 30, 654-659.	2.3	135
16	In Vivo Confocal Microscopy after Corneal Collagen Crosslinking. Ocular Surface, 2015, 13, 298-314.	4.4	121
17	LASIK Interface Complications: Etiology, Management, and Outcomes. Journal of Refractive Surgery, 2012, 28, 575-588.	2.3	107
18	Transepithelial Iontophoresis Corneal Collagen Cross-linking for Progressive Keratoconus: Initial Clinical Outcomes. Journal of Refractive Surgery, 2014, 30, 746-753.	2.3	102

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19	Distinguishing Highly Asymmetric Keratoconus Eyes Using Combined Scheimpflug and Spectral-Domain OCT Analysis. Ophthalmology, 2018, 125, 1862-1871.	5.2	100
20	Reshaping procedures for the surgical management of corneal ectasia. Journal of Cataract and Refractive Surgery, 2015, 41, 842-872.	1.5	97
21	Screening for Ectasia Risk: What Are We Screening For and How Should We Screen For It?. Journal of Refractive Surgery, 2013, 29, 230-232.	2.3	93
22	Prevention and Treatment of Corneal Graft Rejection. Cornea, 2006, 25, 286-290.	1.7	87
23	U.S. Multicenter Clinical Trial of Corneal Collagen Crosslinking for Treatment of Corneal Ectasia after Refractive Surgery. Ophthalmology, 2017, 124, 1475-1484.	5.2	86
24	Incidence, Outcomes, and Risk Factors for Retreatment After Wavefront-optimized Ablations With PRK and LASIK. Journal of Refractive Surgery, 2009, 25, 273-276.	2.3	86
25	PACK-CXL: Defining CXL for Infectious Keratitis. Journal of Refractive Surgery, 2014, 30, 438-439.	2.3	78
26	Corneal ectasia after photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 2006, 32, 1395-1398.	1.5	73
27	Role of Percent Tissue Altered on Ectasia After LASIK in Eyes With Suspicious Topography. Journal of Refractive Surgery, 2015, 31, 258-265.	2.3	70
28	Visual acuity and higher-order aberrations with wavefront-guided and wavefront-optimized laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2010, 36, 437-441.	1.5	64
29	Results of topography-guided laser in situ keratomileusis custom ablation treatment with a refractive excimer laser. Journal of Cataract and Refractive Surgery, 2016, 42, 11-18.	1.5	61
30	Individualized Corneal Cross-linking With Riboflavin and UV-A in Ultrathin Corneas: The Sub400 Protocol. American Journal of Ophthalmology, 2021, 224, 133-142.	3.3	61
31	Corneal Collagen Cross-linking (CXL) Combined With Refractive Procedures for the Treatment of Corneal Ectatic Disorders: CXL Plus. Journal of Refractive Surgery, 2014, 30, 566-576.	2.3	59
32	Intraocular Lens Power Calculations After Laser In Situ Keratomileusis. Cornea, 2002, 21, 751-755.	1.7	58
33	The Epidemiology of Diffuse Lamellar Keratitis. Cornea, 2004, 23, 680-688.	1.7	57
34	Outcomes of Wavefront-Optimized Surface Ablation. Ophthalmology, 2007, 114, 983-988.	5.2	54
35	Visual rehabilitation and outcomes for ectasia after corneal refractive surgery. Journal of Cataract and Refractive Surgery, 2008, 34, 383-388.	1.5	54
36	Prevention and Treatment of Corneal Graft Rejection. Cornea, 2015, 34, 609-614.	1.7	53

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37	Comparative Functional Outcomes After Corneal Crosslinking Using Standard, Accelerated, and Accelerated With Higher Total Fluence Protocols. Cornea, 2019, 38, 433-441.	1.7	52
38	Epithelial and Stromal Remodeling After Corneal Collagen Cross-linking Evaluated by Spectral-Domain OCT. Journal of Refractive Surgery, 2014, 30, 122-127.	2.3	51
39	Complications of Refractive Surgery. International Ophthalmology Clinics, 2016, 56, 127-139.	0.7	49
40	Exacerbation of Avellino Corneal Dystrophy After LASIK in North America. Cornea, 2006, 25, 482-484.	1.7	41
41	Utility of regional epithelial thickness measurements in corneal evaluations. Survey of Ophthalmology, 2020, 65, 187-204.	4.0	40
42	Higher-order aberrations after wavefront-optimized photorefractive keratectomy and laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2009, 35, 260-264.	1.5	39
43	Treatment strategies for corneal ectasia. Current Opinion in Ophthalmology, 2010, 21, 255-258.	2.9	39
44	Standard for Reporting Refractive Outcomes of Intraocular Lensâ€“Based Refractive Surgery. Journal of Refractive Surgery, 2017, 33, 218-222.	2.3	39
45	Indications for and outcomes of penetrating keratoplasty performed by resident surgeons. American Journal of Ophthalmology, 2003, 136, 68-75.	3.3	38
46	Relative contribution of flap thickness and ablation depth to the percentage of tissue altered in ectasia after laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2015, 41, 2493-2500.	1.5	38
47	Inverse computational analysis of inÂvivo corneal elastic modulus change after collagen crosslinking for keratoconus. Experimental Eye Research, 2013, 113, 92-104.	2.6	37
48	Variability of Subjective Classifications of Corneal Topography Maps From LASIK Candidates. Journal of Refractive Surgery, 2013, 29, 770-775.	2.3	37
49	Analysis of cases and accuracy of 3 risk scoring systems in predicting ectasia after laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2018, 44, 979-992.	1.5	35
50	Analysis of Microkeratome Thin Flap Architecture Using Fourier-domain Optical Coherence Tomography. Journal of Refractive Surgery, 2011, 27, 759-763.	2.3	35
51	Phacoemulsification with topical anesthesia performed by resident surgeons. Journal of Cataract and Refractive Surgery, 2004, 30, 149-154.	1.5	31
52	Intraocular lens power calculations after refractive surgery: Consensus-K technique. Journal of Cataract and Refractive Surgery, 2007, 33, 1892-1898.	1.5	31
53	Screening for Keratoconus and Related Ectatic Corneal Disorders. Cornea, 2015, 34, e20-e22.	1.7	31
54	Advanced Surface Ablation With a New Software for the Reduction of Ablation Irregularities. Journal of Refractive Surgery, 2017, 33, 89-95.	2.3	31

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55	Oxygen Diffusion May Limit the Biomechanical Effectiveness of Iontophoresis-Assisted Transepithelial Corneal Cross-linking. Journal of Refractive Surgery, 2018, 34, 768-774.	2.3	30
56	Evaluating Risk Factors for Ectasia: What is the Goal of Assessing Risk?. Journal of Refractive Surgery, 2010, 26, 236-237.	2.3	29
57	Risk factors for epithelial defect formation during laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2007, 33, 1738-1743.	1.5	28
58	Distinguishing Highly Asymmetric Keratoconus Eyes Using Dual Scheimpflug/Placido Analysis. American Journal of Ophthalmology, 2019, 201, 46-53.	3.3	27
59	High Fluence Increases the Antibacterial Efficacy of PACK Cross-Linking. Cornea, 2020, 39, 1020-1026.	1.7	27
60	The biology of corneal cross-linking derived from ultraviolet light and riboflavin. Experimental Eye Research, 2021, 202, 108355.	2.6	27
61	Comparison of central and peripheral corneal thickness measurements with scanning-slit, Scheimpflug and Fourier-domain ocular coherence tomography. British Journal of Ophthalmology, 2015, 99, 1176-1181.	3.9	26
62	Effects of Corneal Cross-Linking on Ocular Response Analyzer Waveform-Derived Variables in Keratoconus and Postrefractive Surgery Ectasia. Eye and Contact Lens, 2014, 40, 339-344.	1.6	25
63	Refractive changes after posterior segment surgery. Ophthalmology Clinics of North America, 2004, 17, 521-526.	1.8	24
64	Resident surgical experience with lens and corneal refractive surgery: Survey of the ASCRS Young Physicians and Residents Membership. Journal of Cataract and Refractive Surgery, 2013, 39, 279-284.	1.5	23
65	Ectasia After Corneal Refractive Surgery: Nothing to SMILE About. Journal of Refractive Surgery, 2016, 32, 434-435.	2.3	23
66	Epithelial remodeling after corneal crosslinking using higher fluence and accelerated treatment time. Journal of Cataract and Refractive Surgery, 2018, 44, 306-312.	1.5	23
67	PACK-CXL vs. antimicrobial therapy for bacterial, fungal, and mixed infectious keratitis: a prospective randomized phase 3 trial. Eye and Vision (London, England), 2022, 9, 2.	3.0	23
68	Establishing Corneal Cross-Linking With Riboflavin and UV-A in the Mouse Cornea In Vivo: Biomechanical Analysis. , 2015, 56, 6581.		22
69	Corneal Cross-Linking (CXL): Standardizing Terminology and Protocol Nomenclature. Journal of Refractive Surgery, 2017, 33, 727-729.	2.3	22
70	Bilaterally Asymmetric Corneal Ectasia Following SMILE With Asymmetrically Reduced Stromal Molecular Markers. Journal of Refractive Surgery, 2019, 35, 6-14.	2.3	22
71	Corneal Ectasia After Hyperopic LASIK. Journal of Refractive Surgery, 2007, 23, 98-99.	2.3	20
72	Recalcitrant Epithelial Ingrowth After SMILE Treated With a Hydrogel Ocular Sealant. Journal of Refractive Surgery, 2015, 31, 847-850.	2.3	20

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73	Computational Biomechanical Analysis of Asymmetric Ectasia Risk in Unilateral Post-LASIK Ectasia. Journal of Refractive Surgery, 2016, 32, 811-820.	2.3	20
74	Biomechanical Changes After LASIK Flap Creation Combined With Rapid Cross-Linking Measured With Brillouin Microscopy. Journal of Refractive Surgery, 2017, 33, 408-414.	2.3	19
75	Depth-Dependent Reduction of Biomechanical Efficacy of Contact Lensâ€“Assisted Corneal Cross-linking Analyzed by Brillouin Microscopy. Journal of Refractive Surgery, 2019, 35, 721-728.	2.3	19
76	Flap thickness in eyes with ectasia after laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2012, 38, 752-757.	1.5	17
77	Chronic pain after Intacs implantation. Journal of Cataract and Refractive Surgery, 2006, 32, 875-878.	1.5	16
78	Validation of the Percent Tissue Altered as a Risk Factor for Ectasia after LASIK. Ophthalmology, 2019, 126, 908-909.	5.2	16
79	Late-onset progression of keratoconus after therapy with selective tissue estrogenic activity regulator. Journal of Cataract and Refractive Surgery, 2019, 45, 101-104.	1.5	15
80	Bilateral Keratoconus Induced by Secondary Hypothyroidism After Radioactive Iodine Therapy. Journal of Refractive Surgery, 2018, 34, 351-353.	2.3	15
81	Bilateral methicillin-resistant Staphylococcus aureus keratitis after photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 2007, 33, 316-319.	1.5	14
82	Assessment of the mechanical forces applied during eye rubbing. BMC Ophthalmology, 2020, 20, 301.	1.4	13
83	IOL power calculations after LASIK or PRK: Barrett True-K biometer-only calculation strategy yields equivalent outcomes as a multiple formula approach. Journal of Cataract and Refractive Surgery, 2022, 48, 784-789.	1.5	13
84	Current and future applications of corneal cross-linking. Current Opinion in Ophthalmology, 2015, 26, 206-213.	2.9	12
85	Comparison of objective and subjective refractive surgery screening parameters between regular and high-resolution Scheimpflug imaging devices. Journal of Cataract and Refractive Surgery, 2015, 41, 286-294.	1.5	12
86	Blade source effect on laser in situ keratomileusis flap thickness with the Amadeus I microkeratome. Journal of Cataract and Refractive Surgery, 2008, 34, 407-410.	1.5	11
87	Delayed Reactivation of Presumed Adenoviral Subepithelial Infiltrates After Laser In Situ Keratomileusis. Cornea, 2004, 23, 302-305.	1.7	10
88	Persistent Epithelial Ingrowth. Ophthalmology, 2006, 113, 1468-1469.e2.	5.2	10
89	Outcome of LASIK in Fleck Corneal Dystrophy. Cornea, 2006, 25, 1262-1264.	1.7	10
90	Femtosecond-assisted LASIK. International Ophthalmology Clinics, 2016, 56, 59-66.	0.7	10

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91	A comparison of 2 methods for estimating residual stromal bed thickness before repeat LASIK. Ophthalmology, 2005, 112, 98-103.	5.2	9
92	Therapeutic Flap Amputation for Atypical LASIK Flap and Interface Abnormalities. Journal of Refractive Surgery, 2015, 31, 61-67.	2.3	9
93	Higher-order aberration measurements: Comparison between Scheimpflug and dual Scheimpflugâ€“Placido technology in normal eyes. Journal of Cataract and Refractive Surgery, 2019, 45, 490-494.	1.5	9
94	High-Fluence Accelerated Epithelium-Off Corneal Cross-Linking Protocol Provides Dresden Protocolâ€“Like Corneal Strengthening. Translational Vision Science and Technology, 2021, 10, 10.	2.2	9
95	Ectasia After LASIK: New Treatments, New Hope. Journal of Refractive Surgery, 2011, 27, 319-319.	2.3	9
96	Contribution of Bowman layer to corneal biomechanics. Journal of Cataract and Refractive Surgery, 2021, 47, 927-932.	1.5	8
97	Glaucomatous Damage from Pressure-induced Stromal Keratopathy After LASIK. Journal of Refractive Surgery, 2012, 28, 378-379.	2.3	8
98	Sequential Customized Therapeutic Keratectomy for Reis-BÃ¼cklers' Corneal Dystrophy: Long-term Follow-up. Journal of Refractive Surgery, 2018, 34, 682-688.	2.3	8
99	Visual Rehabilitation After Severe Alkali Injury With Piggyback Hyper O2 Contact Lenses. Cornea, 2003, 22, 181-183.	1.7	7
100	Ectasia after Photorefractive Keratectomy. Ophthalmology, 2007, 114, 396.	5.2	7
101	Microsporidial stromal keratitis and endophthalmitis in an immunocompetent patient. Journal of Ophthalmic Inflammation and Infection, 2016, 6, 30.	2.2	7
102	Intraocular lens calculations after laser vision correction. Current Opinion in Ophthalmology, 2017, 28, 16-22.	2.9	7
103	Corneal higher-order aberrations measurements: Comparison between Scheimpflug and dual Scheimpflugâ€“Placido technology in keratoconic eyes. Journal of Cataract and Refractive Surgery, 2019, 45, 985-991.	1.5	7
104	Brillouin microscopic depth-dependent analysis of corneal crosslinking performed over or under the LASIK flap. Journal of Cataract and Refractive Surgery, 2020, 46, 1543-1547.	1.5	7
105	Toric intraocular lens rotation to optimize refractive outcome despite appropriate intraoperative positioning. Journal of Cataract and Refractive Surgery, 2015, 41, 878-883.	1.5	6
106	Small Incision Lenticule Extraction (SMILE): What Now? What Next?. Ophthalmology, 2020, 127, 1035-1036.	5.2	6
107	ASSORT Group Analysis Calculator: A Benefit for the Journal of Refractive Surgery and ISRS Members. Journal of Refractive Surgery, 2019, 35, 406-407.	2.3	6
108	Determining the Utility of Epithelial Thickness Mapping in Refractive Surgery Evaluations. American Journal of Ophthalmology, 2022, 240, 125-134.	3.3	6

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109	Corneal and conjunctival changes after posterior segment surgery. Ophthalmology Clinics of North America, 2004, 17, 513-520.	1.8	5
110	Influence of flap thickness on visual and refractive outcomes after laser in situ keratomileusis performed with a mechanical keratome. Journal of Cataract and Refractive Surgery, 2010, 36, 810-813.	1.5	5
111	Comparing Change in Anterior Curvature After Corneal Cross-linking Using Scanning-slit and Scheimpflug Technology. American Journal of Ophthalmology, 2018, 191, 129-134.	3.3	5
112	Custom air puff-derived biomechanical variables in a refractive surgery screening setting: Study from 2 centers. Journal of Cataract and Refractive Surgery, 2018, 44, 589-595.	1.5	5
113	Comparative postoperative topography pattern recognition analysis using axial vs tangential curvature maps. Journal of Cataract and Refractive Surgery, 2020, 46, 1368-1373.	1.5	4
114	Femtosecond LASIK Flaps: Excellent, but Superior?. Journal of Refractive Surgery, 2012, 28, 9-10.	2.3	3
115	Topography-Guided Custom Ablation Photorefractive Keratectomy Treatment of Irregular Astigmatism Resulting From Decentered SMILE. Journal of Refractive Surgery, 2020, 36, 766-771.	2.3	3
116	Corneal ectasia after hyperopic LASIK. Journal of Refractive Surgery, 2007, 23, 98-102.	2.3	3
117	Ectasia After SMILE, Revisited. Journal of Refractive Surgery, 2021, 37, 798-799.	2.3	3
118	Surface Ablation. International Ophthalmology Clinics, 2008, 48, 17-28.	0.7	2
119	Corneal Cross-linking for Keratoglobus Using Individualized Fluence. Journal of Refractive Surgery Case Reports, 2021, 1, .	0.3	2
120	Cogan syndrome masquerading as corneal ectasia. American Journal of Ophthalmology Case Reports, 2021, 24, 101215.	0.7	2
121	Differentiating highly asymmetric keratoconus eyes using a combined Scheimpflug/Placido device. Journal of Cataract and Refractive Surgery, 2020, 46, 1588-1595.	1.5	2
122	Wavefront aberrations from corneal ectasia after laser in situ keratomileusis demonstrated by InterWave aberrometry. Journal of Refractive Surgery, 2004, 20, 170-5.	2.3	1
123	The Importance of Using Corneal Imaging to Determine Ablation Pattern for IOL Calculations After LASIK. Journal of Refractive Surgery Case Reports, 2022, 2, .	0.3	1
124	LASIK: Late Postoperative Complications. , 2008, , 73-102.		0
125	June consultation #2. Journal of Cataract and Refractive Surgery, 2015, 41, 1324-1327.	1.5	0
126	Corneal Ectasia. , 2018, , 123-132.		0

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127	Reply. Ophthalmology, 2019, 126, e58.	5.2	0
128	Reply. Ophthalmology, 2019, 126, e56-e57.	5.2	0
129	Reply to comment on Individualized corneal cross-linking with riboflavin and UV-A in ultra-thin corneas: the sub400 protocol. American Journal of Ophthalmology, 2021, , .	3.3	0
130	Irregular Astigmatism Induced by Irregular Epithelial Remodeling After Conductive Keratoplasty and Transepithelial CXL. Journal of Refractive Surgery Case Reports, 2021, 1, .	0.3	0
131	Where Should the IOL Go When it Does Not Go Where it Should?. Journal of Refractive Surgery, 2012, 28, 240-241.	2.3	0
132	Remembering George O. Waring, III. Journal of Refractive Surgery, 2015, 31, 218-221.	2.3	0