

# Stephen D Klyce

## List of Publications by Year in descending order

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82  
papers

4,263  
citations

94415

37  
h-index

110368

64  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corneal Physiology: Corneal Form and Function. , 2022, , 31-103.		0
2	Corneal Physiology: Corneal Form and Function. , 2021, , 1-74.		0
3	Advances in Corneal Surgical and Pharmacological Approaches to the Treatment of Presbyopia. Journal of Refractive Surgery, 2021, 37, S20-S27.	2.3	6
4	12. Endothelial pump and barrier function. Experimental Eye Research, 2020, 198, 108068.	2.6	18
5	Fourier Analysis of Corneal Irregular Astigmatism Due to the Anterior Corneal Surface in Dry Eye. Eye and Contact Lens, 2019, 45, 188-194.	1.6	14
6	Long-term Chronological Changes in Very Asymmetric Keratoconus. Cornea, 2019, 38, 605-611.	1.7	5
7	Screening for Keratoconus and Related Ectatic Corneal Disorders. Cornea, 2015, 34, e20-e22.	1.7	31
8	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
9	UVA“Riboflavin Collagen Cross-Linking: A Misnomer Perhaps, but It Works!., 2013, 54, 1635.		2
10	Variability of Subjective Classifications of Corneal Topography Maps From LASIK Candidates. Journal of Refractive Surgery, 2013, 29, 770-775.	2.3	37
11	Can You spot the Keratoconus Suspect?. International Journal of Keratoconus and Ectatic Corneal Diseases, 2012, 1, 0-0.	0.5	1
12	Corneal Inlays for the Treatment of Presbyopia. International Ophthalmology Clinics, 2011, 51, 51-62.	0.7	42
13	Chasing the suspect: keratoconus. British Journal of Ophthalmology, 2009, 93, 845-847.	3.9	133
14	Corneal structure and function: Placido-based corneal topography. , 2009, , 75-82.		0
15	Night vision disturbances after refractive surgery: haloes are not just for angels. British Journal of Ophthalmology, 2007, 91, 992-993.	3.9	18
16	Absolute Color Scale for Improved Diagnostics with Wavefront Error Mapping. Ophthalmology, 2007, 114, 2022-2030.e1.	5.2	2
17	Functional Optical Zone of the Cornea. , 2007, 48, 1053.		61
18	Goodness-of-prediction of Zernike polynomial fitting to corneal surfaces. Journal of Cataract and Refractive Surgery, 2005, 31, 2350-2355.	1.5	57

#	ARTICLE	IF	CITATIONS
19	Screening Patients With the Corneal Navigator. Journal of Refractive Surgery, 2005, 21, .	2.3	43
20	Screening patients with the corneal navigator. Journal of Refractive Surgery, 2005, 21, S617-22.	2.3	12
21	Night vision after LASIK: the pupil proclaims innocence. Ophthalmology, 2004, 111, 1-2.	5.2	26
22	Evaluation of the tear film stability after laser in situ keratomileusis using the tear film stability analysis system. American Journal of Ophthalmology, 2004, 137, 116-120.	3.3	48
23	Advantages and Disadvantages of the Zernike Expansion for Representing Wave Aberration of the Normal and Aberrated Eye. Journal of Refractive Surgery, 2004, 20, .	2.3	66
24	Advantages and disadvantages of the Zernike expansion for representing wave aberration of the normal and aberrated eye. Journal of Refractive Surgery, 2004, 20, S537-41.	2.3	15
25	A new method for tear film stability analysis using videokeratography. American Journal of Ophthalmology, 2003, 135, 607-612.	3.3	121
26	Zernike Polynomial Fitting Fails to Represent All Visually Significant Corneal Aberrations. , 2003, 44, 4676.		126
27	Corneal Topographic and Pachymetric Screening of Keratorefractive Patients. Journal of Refractive Surgery, 2003, 19, 24-29.	2.3	158
28	Corneal Topography in Modern Refractive Surgery. International Ophthalmology Clinics, 2002, 42, 19-30.	0.7	8
29	Inattention to Nonsuperimposable Midline Symmetry Causes Wavefront Analysis Error. JAMA Ophthalmology, 2002, 120, 439.	2.4	61
30	The Universal Standard Scale. Ophthalmology, 2002, 109, 361-369.	5.2	39
31	Physiological System Models of the Cornea. Topics in Biomedical Engineering, 2002, , 3-55.	0.2	3
32	Gender- and Age-related Differences in Corneal Topography. Cornea, 2001, 20, 270-276.	1.7	97
33	Developments in corneal topographic analysis following contact lens wear and refractive surgery. Contact Lens and Anterior Eye, 2001, 24, 168-174.	1.7	1
34	Corneal Topography and the New Wave. Cornea, 2000, 19, 723-729.	1.7	18
35	Keratoconus Detection with the KISA% Methodâ€”Another View. Journal of Cataract and Refractive Surgery, 2000, 26, 472-473.	1.5	31
36	Corneal topography of small-beam tracking excimer laser photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1999, 25, 675-684.	1.5	28

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37	Diurnal fluctuations in corneal topography 10 years after radial keratotomy in the prospective evaluation of radial keratotomy study. Journal of Cataract and Refractive Surgery, 1999, 25, 904-910.	1.5	27
38	Comparison of photorefractive keratectomy with excimer laser in situ keratomileusis in correcting low myopia (from -2.00 to -5.50 diopters). Ophthalmology, 1999, 106, 411-421.	5.2	107
39	Comparison of corneal wavefront aberrations after photorefractive keratectomy and laser in situ keratomileusis. American Journal of Ophthalmology, 1999, 127, 1-7.	3.3	397
40	Detection and Classification of Mild Irregular Astigmatism in Patients With Good Visual Acuity. Survey of Ophthalmology, 1998, 43, 53-58.	4.0	56
41	Topographic assessment of irregular astigmatism after photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1998, 24, 1079-1086.	1.5	11
42	Corneal Topography in LASIK. Seminars in Ophthalmology, 1998, 13, 64-70.	1.6	14
43	Disparity Between Keratometry-Style Readings and Corneal Power Within the Pupil After Refractive Surgery for Myopia. Cornea, 1997, 16, 517-524.	1.7	70
44	Screening for Corneal Topographic Abnormalities before Refractive Surgery. Ophthalmology, 1994, 101, 147-152.	5.2	209
45	Videokeratography in contact lens practice. International Contact Lens Clinic (New York, N Y ), 1994, 21, 163-169.	0.1	10
46	Standardized Color-coded Maps for Corneal Topography. Ophthalmology, 1993, 100, 1723-1727.	5.2	79
47	Corneal topography of excimer laser photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1993, 19, 122-130.	1.5	52
48	Corneal Topographic Alterations in Normal Contact Lens Wearers. Ophthalmology, 1993, 100, 128-134.	5.2	73
49	Quantification and Mathematical Analysis of Photokeratoscopic Images. , 1992, , 1-9.		4
50	Advances in the analysis of corneal topography. Survey of Ophthalmology, 1991, 35, 269-277.	4.0	155
51	Changes in Corneal Topography after Excimer Laser Photorefractive Keratectomy for Myopia. Ophthalmology, 1991, 98, 1338-1347.	5.2	160
52	Corneal Topography of Keratoconus. Cornea, 1991, 10, 2-8.	1.7	205
53	Analysis of the Effects of Astigmatism and Misalignment on Corneal Surface Reconstruction From Photokeratoscopic Data. Journal of Refractive Surgery, 1991, 7, 129-140.	2.3	27
54	An Adjustable Single Running Suture Technique to Reduce Postkeratoplasty Astigmatism. Ophthalmology, 1990, 97, 934-938.	5.2	61

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55	Corneal Topography. , 1990, , 61-81.		0
56	Topographic Changes in Contact Lens-induced Corneal Warpage. Ophthalmology, 1990, 97, 734-744.	5.2	166
57	Terrien's Marginal Degeneration: Corneal Topography. Journal of Refractive Surgery, 1990, 6, 15-20.	2.3	27
58	Topographic Changes that Occur with 10-0 Running Suture Removal Following Penetrating Keratoplasty. Journal of Refractive Surgery, 1990, 6, 21-25.	2.3	38
59	The Corneal Topography of Epikeratophakia. Journal of Refractive Surgery, 1990, 6, 26-31.	2.3	8
60	Topographic Analysis and Visual Acuity After Radial Keratotomy. American Journal of Ophthalmology, 1989, 107, 436-437.	3.3	11
61	Corneal Compression Sutures for the Reduction of Astigmatism After Penetrating Keratoplasty. American Journal of Ophthalmology, 1989, 108, 36-42.	3.3	53
62	Imaging, Reconstruction, And Display Of Corneal Topography. Proceedings of SPIE, 1989, , .	0.8	1
63	Corneal Topography Comes of Age. Journal of Refractive Surgery, 1989, 5, 359-361.	2.3	10
64	Methods of Analysis of Corneal Topography. Journal of Refractive Surgery, 1989, 5, 368-371.	2.3	37
65	Quantitative Descriptors of Corneal Shape Derived from Computer-assisted Analysis of Photokeratographs. Journal of Refractive Surgery, 1989, 5, 372-378.	2.3	141
66	A New Reconstruction Algorithm for Improvement of Corneal Topographical Analysis. Journal of Refractive Surgery, 1989, 5, 379-387.	2.3	55
67	Corneal Topography of Pellucid Marginal Degeneration. Ophthalmology, 1987, 94, 519-524.	5.2	113
68	Corneal Topography in Myopic Patients Undergoing Epikeratophakia. American Journal of Ophthalmology, 1987, 103, 404-416.	3.3	49
69	Visual Distortion After Myopic Keratomileusis: Computer Analysis of Keratoscope Photographs. Ophthalmic Surgery Lasers and Imaging Retina, 1987, 18, 352-356.	0.7	6
70	Keratometry in Epikeratophakia. Journal of Refractive Surgery, 1986, 2, 61-64.	2.3	23
71	Transport processes across the rabbit corneal epithelium: A review. Current Eye Research, 1985, 4, 323-331.	1.5	154
72	Epikeratophakia for Myopia Correction. Ophthalmology, 1985, 92, 1417-1422.	5.2	62

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73	Cellular mode of serotonin action on Cl <sup>-</sup> transport in the rabbit corneal epithelium. Biochimica Et Biophysica Acta - Biomembranes, 1984, 778, 139-143.	2.6	9
74	The Cornea Press: Restoring Donor Corneas to Normal Dimensions and Hydration Before Cryolathing. Ophthalmic Surgery Lasers and Imaging Retina, 1983, 14, 327-331.	0.7	17
75	Effects of Ag <sup>+</sup> on ion transport by the corneal epithelium of the rabbit. Journal of Membrane Biology, 1982, 66, 133-144.	2.1	24
76	Cl TRANSPORT IN RABBIT CORNEA. , 1982, , 199-221.		2
77	The Origins of Sattler's Veil. American Journal of Ophthalmology, 1981, 91, 51-56.	3.3	42
78	Epikeratophakia: The surgical correction of aphakia. I. Lathing of corneal tissue. Current Eye Research, 1981, 1, 123-129.	1.5	69
79	Cell finder speeds impalements with microelectrodes. Pflugers Archiv European Journal of Physiology, 1981, 391, 258-259.	2.8	5
80	Epikeratophakia: The surgical correction of myopia. I. Lathing of corneal tissue. Current Eye Research, 1981, 1, 591-597.	1.5	40
81	In vivo determination of corneal swelling pressure. Experimental Eye Research, 1971, 11, 220-229.	2.6	35
82	Swelling properties of dogfish cornea. Experimental Eye Research, 1969, 8, 429-437.	2.6	9