

Steven E Wilson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254
papers

14,113
citations

64
h-index

109
g-index

271
ext. papers

15,773
ext. citations

4.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
254	Corneal Opacity: Cell Biological Determinants of the Transition From Transparency to Transient Haze to Scarring Fibrosis, and Resolution, After Injury. 2022 , 63, 22		0
253	Fibrosis Is a Basement Membrane-Related Disease in the Cornea: Injury and Defective Regeneration of Basement Membranes May Underlie Fibrosis in Other Organs.. <i>Cells</i> , 2022 , 11,	7.9	1
252	Epithelial Basement Membrane Regeneration After PRK-Induced Epithelial-Stromal Injury in Rabbits: Fibrotic Versus Non-fibrotic Corneal Healing.. <i>Journal of Refractive Surgery</i> , 2022 , 38, 50-60	3.3	4
251	Topical losartan inhibits corneal scarring fibrosis and collagen type IV deposition after Descemet's membrane-endothelial excision in rabbits.. <i>Experimental Eye Research</i> , 2022 , 216, 108940	3.7	3
250	Defective perlecan-associated basement membrane regeneration and altered modulation of transforming growth factor beta in corneal fibrosis.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 144	10.3	0
249	Corneal fibroblast collagen type IV negative feedback modulation of TGF beta: A fibrosis modulating system likely active in other organs.. <i>Matrix Biology</i> , 2022 ,	11.4	2
248	Biomechanics and Wound Healing in the Cornea 2022 , 1235-1255		
247	Descemet's membrane injury and regeneration, and posterior corneal fibrosis, in rabbits. <i>Experimental Eye Research</i> , 2021 , 213, 108803	3.7	6
246	Interleukin-1 and Transforming Growth Factor Beta: Commonly Opposing, but Sometimes Supporting, Master Regulators of the Corneal Wound Healing Response to Injury 2021 , 62, 8		8
245	TGF beta -1, -2 and -3 in the modulation of fibrosis in the cornea and other organs. <i>Experimental Eye Research</i> , 2021 , 207, 108594	3.7	16
244	Fibroblastic and bone marrow-derived cellularity in the corneal stroma. <i>Experimental Eye Research</i> , 2021 , 202, 108303	3.7	1
243	TGF α and TGF β proteins in corneas with and without stromal fibrosis: Delayed regeneration of apical epithelial growth factor barrier and the epithelial basement membrane in corneas with stromal fibrosis. <i>Experimental Eye Research</i> , 2021 , 202, 108325	3.7	14
242	Biomechanics and Wound Healing in the Cornea 2021 , 1-22		
241	Bowman's layer in the cornea- structure and function and regeneration. <i>Experimental Eye Research</i> , 2020 , 195, 108033	3.7	22
240	Descemet's membrane development, structure, function and regeneration. <i>Experimental Eye Research</i> , 2020 , 197, 108090	3.7	20
239	Corneal wound healing. <i>Experimental Eye Research</i> , 2020 , 197, 108089	3.7	28
238	Biology of keratorefractive surgery- PRK, PTK, LASIK, SMILE, inlays and other refractive procedures. <i>Experimental Eye Research</i> , 2020 , 198, 108136	3.7	7

237	Fibrocytes, Wound Healing, and Corneal Fibrosis 2020 , 61, 28		22
236	Corneal epithelial basement membrane: Structure, function and regeneration. <i>Experimental Eye Research</i> , 2020 , 194, 108002	3-7	11
235	Pathophysiology and Treatment of Diffuse Lamellar Keratitis. <i>Journal of Refractive Surgery</i> , 2020 , 36, 124-130	3-3	4
234	Biological effects of mitomycin C on late corneal haze stromal fibrosis following PRK. <i>Experimental Eye Research</i> , 2020 , 200, 108218	3-7	5
233	3D in vitro corneal models: A review of current technologies. <i>Experimental Eye Research</i> , 2020 , 200, 108213	3-7	11
232	Corneal myofibroblasts and fibrosis. <i>Experimental Eye Research</i> , 2020 , 201, 108272	3-7	19
231	The Efficacy of Topical HGF on Corneal Fibrosis and Epithelial Healing after Scar-Producing PRK Injury in Rabbits. <i>Translational Vision Science and Technology</i> , 2020 , 9, 29	3-3	4
230	Quantitative proteomic comparison of myofibroblasts derived from bone marrow and cornea. <i>Scientific Reports</i> , 2020 , 10, 16717	4-9	11
229	Descemet's Membrane Modulation of Posterior Corneal Fibrosis 2019 , 60, 1010-1020		18
228	Validation of the Percent Tissue Altered as a Risk Factor for Ectasia after LASIK. <i>Ophthalmology</i> , 2019 , 126, 908-909	7-3	6
227	Practical guidance for the use of cyclosporine ophthalmic solutions in the management of dry eye disease. <i>Clinical Ophthalmology</i> , 2019 , 13, 1115-1122	2-5	12
226	Coordinated Modulation of Corneal Scarring by the Epithelial Basement Membrane and Descemet's Basement Membrane. <i>Journal of Refractive Surgery</i> , 2019 , 35, 506-516	3-3	15
225	Fibrocyte migration, differentiation and apoptosis during the corneal wound healing response to injury. <i>Experimental Eye Research</i> , 2018 , 170, 177-187	3-7	41
224	Dry Eye 2018 , 99-112		
223	Posterior stromal cell apoptosis triggered by mechanical endothelial injury and basement membrane component nidogen-1 production in the cornea. <i>Experimental Eye Research</i> , 2018 , 172, 30-35	3-7	16
222	The Corneal Basement Membranes and Stromal Fibrosis 2018 , 59, 4044-4053		53
221	The Impact of Photorefractive Keratectomy and Mitomycin C on Corneal Nerves and Their Regeneration. <i>Journal of Refractive Surgery</i> , 2018 , 34, 790-798	3-3	15
220	Pathophysiology of Corneal Scarring in Persistent Epithelial Defects After PRK and Other Corneal Injuries. <i>Journal of Refractive Surgery</i> , 2018 , 34, 59-64	3-3	29

219	IL-1 and TGF- β Modulation of Epithelial Basement Membrane Components Perlecan and Nidogen Production by Corneal Stromal Cells 2018 , 59, 5589-5598		24
218	Basement membranes in the cornea and other organs that commonly develop fibrosis. <i>Cell and Tissue Research</i> , 2018 , 374, 439-453	4.2	18
217	Epithelial basement membrane injury and regeneration modulates corneal fibrosis after pseudomonas corneal ulcers in rabbits. <i>Experimental Eye Research</i> , 2017 , 161, 101-105	3.7	35
216	Injury and defective regeneration of the epithelial basement membrane in corneal fibrosis: A paradigm for fibrosis in other organs?. <i>Matrix Biology</i> , 2017 , 64, 17-26	11.4	49
215	Phototherapeutic Keratectomy: Science and Art. <i>Journal of Refractive Surgery</i> , 2017 , 33, 203-210	3.3	22
214	TFOS DEWS II iatrogenic report. <i>Ocular Surface</i> , 2017 , 15, 511-538	6.5	173
213	Femtosecond Lasers and Corneal Surgical Procedures. <i>Asia-Pacific Journal of Ophthalmology</i> , 2017 , 6, 456-464	3.5	10
212	EBM regeneration and changes in EBM component mRNA expression in stromal cells after corneal injury. <i>Molecular Vision</i> , 2017 , 23, 39-51	2.3	23
211	Regeneration of Defective Epithelial Basement Membrane and Restoration of Corneal Transparency After Photorefractive Keratectomy. <i>Journal of Refractive Surgery</i> , 2017 , 33, 337-346	3.3	41
210	OCT Study of the Femtosecond Laser Opaque Bubble Layer. <i>Journal of Refractive Surgery</i> , 2017 , 33, 18-23	3.3	3
209	The corneal fibrosis response to epithelial-stromal injury. <i>Experimental Eye Research</i> , 2016 , 142, 110-8	3.7	153
208	Femtosecond Laser-Assisted LASIK Flap Complications. <i>Journal of Refractive Surgery</i> , 2016 , 32, 52-9	3.3	32
207	Corneal Molecular and Cellular Biology for the Refractive Surgeon: The Critical Role of the Epithelial Basement Membrane. <i>Journal of Refractive Surgery</i> , 2016 , 32, 118-25	3.3	24
206	June consultation #2. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 938-939	2.3	
205	Epithelial basement membrane proteins perlecan and nidogen-2 are up-regulated in stromal cells after epithelial injury in human corneas. <i>Experimental Eye Research</i> , 2015 , 134, 33-8	3.7	36
204	Ultrastructure of the posterior corneal stroma. <i>Ophthalmology</i> , 2015 , 122, 693-9	7.3	44
203	Role of percent tissue altered on ectasia after LASIK in eyes with suspicious topography. <i>Journal of Refractive Surgery</i> , 2015 , 31, 258-65	3.3	51
202	Relative contribution of flap thickness and ablation depth to the percentage of tissue altered in ectasia after laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2015 , 41, 2493-500	2.3	28

201	Differential expression of epithelial basement membrane components nidogens and perlecan in corneal stromal cells in vitro. <i>Molecular Vision</i> , 2015 , 21, 1318-27	2.3	17
200	Reply: To PMID 24727263. <i>American Journal of Ophthalmology</i> , 2014 , 158, 1359-60	4.9	
199	Cellular and extracellular matrix modulation of corneal stromal opacity. <i>Experimental Eye Research</i> , 2014 , 129, 151-60	3.7	69
198	BAC-EDTA transepithelial riboflavin-UVA crosslinking has greater biomechanical stiffening effect than standard epithelium-off in rabbit corneas. <i>Experimental Eye Research</i> , 2014 , 125, 114-7	3.7	35
197	TGF β and PDGF-B signaling blockade inhibits myofibroblast development from both bone marrow-derived and keratocyte-derived precursor cells in vivo. <i>Experimental Eye Research</i> , 2014 , 121, 35-40	3.7	41
196	Association between the percent tissue altered and post-laser in situ keratomileusis ectasia in eyes with normal preoperative topography. <i>American Journal of Ophthalmology</i> , 2014 , 158, 87-95.e1	4.9	145
195	Changes in custom biomechanical variables after femtosecond laser in situ keratomileusis and photorefractive keratectomy for myopia. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 918-28	2.3	31
194	Transforming growth factor β and platelet-derived growth factor modulation of myofibroblast development from corneal fibroblasts in vitro. <i>Experimental Eye Research</i> , 2014 , 120, 152-60	3.7	40
193	Screening of refractive surgery candidates for LASIK and PRK. <i>Cornea</i> , 2014 , 33, 1051-5	3.1	34
192	March consultation #4. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 503-4; discussion 507	2.3	
191	Resolvin E1 analog RX-10045 0.1% reduces corneal stromal haze in rabbits when applied topically after PRK. <i>Molecular Vision</i> , 2014 , 20, 1710-6	2.3	10
190	Topical cyclosporine a treatment in corneal refractive surgery and patients with dry eye. <i>Journal of Refractive Surgery</i> , 2014 , 30, 558-64	3.3	17
189	The association between femtosecond laser flap parameters and ocular aberrations after uncomplicated custom myopic LASIK. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2013 , 251, 2155-62	3.8	4
188	A method to generate enhanced GFP+ chimeric mice to study the role of bone marrow-derived cells in the eye. <i>Experimental Eye Research</i> , 2013 , 116, 366-70	3.7	14
187	Mouse strain variation in SMA(+) myofibroblast development after corneal injury. <i>Experimental Eye Research</i> , 2013 , 115, 27-30	3.7	11
186	The corneal epithelial basement membrane: structure, function, and disease 2013 , 54, 6390-400		163
185	Biological and biomechanical responses to traditional epithelium-off and transepithelial riboflavin-UVA CXL techniques in rabbits. <i>Journal of Refractive Surgery</i> , 2013 , 29, 332-41	3.3	38
184	Transmission electron microscopy analysis of epithelial basement membrane repair in rabbit corneas with haze 2013 , 54, 4026-33		58

183	Modulation transfer function and optical quality after bilateral implantation of a +3.00 D versus a +4.00 D multifocal intraocular lens. <i>Journal of Cataract and Refractive Surgery</i> , 2012 , 38, 215-20	2.3	27
182	Flaporrhesis: rapid and effective technique to limit epithelial ingrowth after LASIK enhancement. <i>Journal of Cataract and Refractive Surgery</i> , 2012 , 38, 2-4	2.3	10
181	Reply : Flaporrhesis. <i>Journal of Cataract and Refractive Surgery</i> , 2012 , 38, 921-922	2.3	
180	Reply : Back to the surface?. <i>Journal of Cataract and Refractive Surgery</i> , 2012 , 38, 922-923	2.3	
179	Interleukin-1 receptor role in the viability of corneal myofibroblasts. <i>Experimental Eye Research</i> , 2012 , 96, 65-9	3.7	9
178	Stromal fibroblast-bone marrow-derived cell interactions: implications for myofibroblast development in the cornea. <i>Experimental Eye Research</i> , 2012 , 98, 1-8	3.7	33
177	Corneal myofibroblast biology and pathobiology: generation, persistence, and transparency. <i>Experimental Eye Research</i> , 2012 , 99, 78-88	3.7	146
176	Cellular effects after laser in situ keratomileusis flap formation with femtosecond lasers: a review. <i>Cornea</i> , 2012 , 31, 198-205	3.1	33
175	Peripheral sterile corneal ring infiltrate after riboflavin-UVA collagen cross-linking in keratoconus. <i>Cornea</i> , 2012 , 31, 702-5	3.1	42
174	Mitomycin C: biological effects and use in refractive surgery. <i>Cornea</i> , 2012 , 31, 311-21	3.1	73
173	Short-term cell death and inflammation after intracorneal inlay implantation in rabbits. <i>Journal of Refractive Surgery</i> , 2012 , 28, 144-9	3.3	18
172	Flap relift for retreatment after femtosecond laser-assisted LASIK. <i>Journal of Refractive Surgery</i> , 2012 , 28, 482-7	3.3	22
171	Monocyte development inhibitor PRM-151 decreases corneal myofibroblast generation in rabbits. <i>Experimental Eye Research</i> , 2011 , 93, 786-9	3.7	27
170	Effect of TGF β and PDGF-B blockade on corneal myofibroblast development in mice. <i>Experimental Eye Research</i> , 2011 , 93, 810-7	3.7	50
169	Corneal wound healing after ultraviolet-A/riboflavin collagen cross-linking: a rabbit study. <i>Journal of Refractive Surgery</i> , 2011 , 27, 401-7	3.3	34
168	Visual performance of an apodized diffractive multifocal intraocular lens with +3.00-d addition: 1-year follow-up. <i>Journal of Refractive Surgery</i> , 2011 , 27, 899-906	3.3	31
167	Wound healing after laser in situ keratomileusis and photorefractive keratectomy 2010 , 16-21		
166	Minimal clinically important difference for the ocular surface disease index. <i>JAMA Ophthalmology</i> , 2010 , 128, 94-101		299

165	Differences in the early biomechanical effects of hyperopic and myopic laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 947-53	2.3	27
164	Femtosecond laser in laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 1024-32	2.3	89
163	Corneal myofibroblast generation from bone marrow-derived cells. <i>Experimental Eye Research</i> , 2010 , 91, 92-6	3.7	84
162	Stromal interleukin-1 expression in the cornea after haze-associated injury. <i>Experimental Eye Research</i> , 2010 , 91, 456-61	3.7	43
161	Use of mitomycin-C for phototherapeutic keratectomy and photorefractive keratectomy surgery. <i>Current Opinion in Ophthalmology</i> , 2010 , 21, 269-73	5.1	17
160	Expression of interleukin-1 receptor antagonist in human cornea. <i>Experimental Eye Research</i> , 2009 , 88, 992-4	3.7	13
159	Corneal stroma PDGF blockade and myofibroblast development. <i>Experimental Eye Research</i> , 2009 , 88, 960-5	3.7	46
158	Focus on molecules: interleukin-1: a master regulator of the corneal response to injury. <i>Experimental Eye Research</i> , 2009 , 89, 124-5	3.7	26
157	Dynamics of the expression of intermediate filaments vimentin and desmin during myofibroblast differentiation after corneal injury. <i>Experimental Eye Research</i> , 2009 , 89, 133-9	3.7	70
156	Corneal myofibroblast viability: opposing effects of IL-1 and TGF beta1. <i>Experimental Eye Research</i> , 2009 , 89, 152-8	3.7	62
155	Expression of PDGF receptor-alpha in corneal myofibroblasts in situ. <i>Experimental Eye Research</i> , 2009 , 89, 432-4	3.7	11
154	Early keratocyte apoptosis after epithelial scrape injury in the human cornea. <i>Experimental Eye Research</i> , 2009 , 89, 597-9	3.7	22
153	Dry eye associated with laser in situ keratomileusis: Mechanical microkeratome versus femtosecond laser. <i>Journal of Cataract and Refractive Surgery</i> , 2009 , 35, 1756-60	2.3	108
152	Reprint of "Dynamics of the expression of intermediate filaments vimentin and desmin during myofibroblast differentiation after corneal injury". <i>Experimental Eye Research</i> , 2009 , 89, 590-6	3.7	18
151	Corneal molecular and cellular biology update for the refractive surgeon. <i>Journal of Refractive Surgery</i> , 2009 , 25, 459-66	3.3	41
150	Effect of femtosecond laser energy level on corneal stromal cell death and inflammation. <i>Journal of Refractive Surgery</i> , 2009 , 25, 869-74	3.3	56
149	A novel method for generating corneal haze in anterior stroma of the mouse eye with the excimer laser. <i>Experimental Eye Research</i> , 2008 , 86, 235-40	3.7	46
148	Topical interleukin-1 receptor antagonist inhibits inflammatory cell infiltration into the cornea. <i>Experimental Eye Research</i> , 2008 , 86, 753-7	3.7	42

147	LASIK: Late Postoperative Complications 2008 , 73-102		
146	Refractive Surgery [Corneal Opacity (Haze) after Surface Ablation 2008 , 133-141		
145	LASIK-associated dry eye and neurotrophic epitheliopathy: pathophysiology and strategies for prevention and treatment. <i>Journal of Refractive Surgery</i> , 2008 , 24, 396-407	3-3	166
144	Synergistic effect of ethanol and mitomycin C on corneal stroma. <i>Journal of Refractive Surgery</i> , 2008 , 24, 626-32	3-3	17
143	Haze development after photorefractive keratectomy: mechanical vs ethanol epithelial removal in rabbits. <i>Journal of Refractive Surgery</i> , 2008 , 24, 923-7	3-3	12
142	MOORENS ULCER 370.07 (Chronic Serpiginous Ulcer of the Cornea, Ulcus Rodens) 2008 , 382-383		
141	Loss of alpha3(IV) collagen expression associated with corneal keratocyte activation. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 627-35		29
140	Agreement of physician treatment practices with the international task force guidelines for diagnosis and treatment of dry eye disease. <i>Cornea</i> , 2007 , 26, 284-9	3-1	31
139	Long-term resolution of chronic dry eye symptoms and signs after topical cyclosporine treatment. <i>Ophthalmology</i> , 2007 , 114, 76-9	7-3	70
138	Apoptosis in the initiation, modulation and termination of the corneal wound healing response. <i>Experimental Eye Research</i> , 2007 , 85, 305-11	3-7	111
137	Femtosecond laser and microkeratome corneal flaps: comparison of stromal wound healing and inflammation. <i>Journal of Refractive Surgery</i> , 2007 , 23, 667-76	3-3	48
136	Dry Eye and Corneal Sensitivity After High Myopic LASIK. <i>Journal of Refractive Surgery</i> , 2007 , 23, 338-342	3-3	58
135	Femtosecond Laser and Microkeratome Corneal Flaps: Comparison of Stromal Wound Healing and Inflammation. <i>Journal of Refractive Surgery</i> , 2007 , 23, 667-676	3-3	117
134	Wavefront Analysis Comparison of LASIK Outcomes With the Femtosecond Laser and Mechanical Microkeratomes. <i>Journal of Refractive Surgery</i> , 2007 , 23, 880-887	3-3	68
133	Dry eye and corneal sensitivity after high myopic LASIK. <i>Journal of Refractive Surgery</i> , 2007 , 23, 338-42	3-3	20
132	Wavefront analysis comparison of LASIK outcomes with the femtosecond laser and mechanical microkeratomes. <i>Journal of Refractive Surgery</i> , 2007 , 23, 880-7	3-3	19
131	Wavefront-guided ablation: evidence for efficacy compared to traditional ablation. <i>American Journal of Ophthalmology</i> , 2006 , 141, 360-368	4-9	65
130	Stromal haze, myofibroblasts, and surface irregularity after PRK. <i>Experimental Eye Research</i> , 2006 , 82, 788-97	3-7	205

129	Biomechanics and wound healing in the cornea. <i>Experimental Eye Research</i> , 2006 , 83, 709-20	3.7	373
128	Surgery in patients with Fuchs' dystrophy. <i>Ophthalmology</i> , 2006 , 113, 503; author reply 504	7.3	2
127	Long-term outcomes after photorefractive keratectomy. <i>Ophthalmology</i> , 2006 , 113, 1693-4	7.3	2
126	Dysfunctional tear syndrome: a Delphi approach to treatment recommendations. <i>Cornea</i> , 2006 , 25, 900-7	3.1	374
125	Effect of prophylactic and therapeutic mitomycin C on corneal apoptosis, cellular proliferation, haze, and long-term keratocyte density in rabbits. <i>Journal of Refractive Surgery</i> , 2006 , 22, 562-74	3.3	56
124	Effect of Prophylactic and Therapeutic Mitomycin C on Corneal Apoptosis, Cellular Proliferation, Haze, and Long-term Keratocyte Density in Rabbits. <i>Journal of Refractive Surgery</i> , 2006 , 22, 562-574	3.3	149
123	Wound healing in the cornea: a review of refractive surgery complications and new prospects for therapy. <i>Cornea</i> , 2005 , 24, 509-22	3.1	337
122	Gene therapy in the cornea. <i>Progress in Retinal and Eye Research</i> , 2005 , 24, 537-59	20.5	78
121	Wavefront Analysis in Normal Refractive Surgery Candidates. <i>Journal of Refractive Surgery</i> , 2005 , 21, 332-338	3.3	38
120	Indications for Excimer Laser Surface Ablation. <i>Journal of Refractive Surgery</i> , 2005 , 21, 734-741	3.3	28
119	RANK, RANKL, OPG, and M-CSF expression in stromal cells during corneal wound healing. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2201-11		51
118	Clinical practice. Use of lasers for vision correction of nearsightedness and farsightedness. <i>New England Journal of Medicine</i> , 2004 , 351, 470-5	59.2	34
117	Flap lift for LASIK retreatment in eyes with myopia. <i>Ophthalmology</i> , 2004 , 111, 1362-7	7.3	52
116	Influence of intraoperative epithelial defects on outcomes in LASIK for myopia. <i>American Journal of Ophthalmology</i> , 2004 , 137, 244-9	4.9	10
115	Corneal wound healing relevance to wavefront guided laser treatments. <i>Ophthalmology Clinics of North America</i> , 2004 , 17, 225-31, vii		22
114	Pupil Size in Refractive Surgery Candidates. <i>Journal of Refractive Surgery</i> , 2004 , 20, 337-342	3.3	43
113	Corneal injury. A relatively pure model of stromal-epithelial interactions in wound healing. <i>Methods in Molecular Medicine</i> , 2003 , 78, 67-81		10
112	Corneal cells: chatty in development, homeostasis, wound healing, and disease. <i>American Journal of Ophthalmology</i> , 2003 , 136, 530-6	4.9	115

111	Gene transfer into rabbit keratocytes using AAV and lipid-mediated plasmid DNA vectors with a lamellar flap for stromal access. <i>Experimental Eye Research</i> , 2003 , 76, 373-83	3.7	46
110	Effect of ectopic epithelial tissue within the stroma on keratocyte apoptosis, mitosis, and myofibroblast transformation. <i>Experimental Eye Research</i> , 2003 , 76, 193-201	3.7	31
109	Development of genetically engineered tet HPV16-E6/E7 transduced human corneal epithelial clones having tight regulation of proliferation and normal differentiation. <i>Experimental Eye Research</i> , 2003 , 77, 395-407	3.7	36
108	BMP receptor 1b is required for axon guidance and cell survival in the developing retina. <i>Developmental Biology</i> , 2003 , 256, 34-48	3.1	84
107	Apoptosis, necrosis, proliferation, and myofibroblast generation in the stroma following LASIK and PRK. <i>Experimental Eye Research</i> , 2003 , 76, 71-87	3.7	324
106	LASIK vs LASEK vs PRK: advantages and indications. <i>Seminars in Ophthalmology</i> , 2003 , 18, 2-10	2.4	137
105	Corneal Topographic and Pachymetric Screening of Keratorefractive Patients. <i>Journal of Refractive Surgery</i> , 2003 , 19, 24-29	3.3	131
104	Bilateral Marginal Sterile Infiltrates and Diffuse Lamellar Keratitis After Laser in situ Keratomileusis. <i>Journal of Refractive Surgery</i> , 2003 , 19, 154-158	3.3	33
103	Wound Healing After Hyperopic Corneal Surgery 2003 , 173-187		
102	LASIK vs LASEK vs PRK: Advantages and indications. <i>Seminars in Ophthalmology</i> , 2003 , 18, 2-10	2.4	9
101	Corneal topographic and pachymetric screening of keratorefractive patients. <i>Journal of Refractive Surgery</i> , 2003 , 19, 24-9	3.3	63
100	Inflammation: a unifying theory for the origin of dry eye syndrome. <i>Managed Care</i> , 2003 , 12, 14-9	0.3	5
99	Early pellucid marginal corneal degeneration: case reports of two refractive surgery candidates. <i>Cornea</i> , 2002 , 21, 114-7	3.1	22
98	Sporadic diffuse lamellar keratitis (DLK) after LASIK. <i>Cornea</i> , 2002 , 21, 560-3	3.1	66
97	Lymphedema-distichiasis syndrome and FOXC2 gene mutation. <i>American Journal of Ophthalmology</i> , 2002 , 134, 592-6	4.9	52
96	Analysis of the keratocyte apoptosis, keratocyte proliferation, and myofibroblast transformation responses after photorefractive keratectomy and laser in situ keratomileusis. <i>Transactions of the American Ophthalmological Society</i> , 2002 , 100, 411-33		54
95	Pellucid Marginal Corneal Degeneration. <i>Journal of Refractive Surgery</i> , 2002 , 18, 86-88	3.3	9
94	Apoptosis in the cornea in response to epithelial injury: significance to wound healing and dry eye. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 506, 821-6	3.6	18

93	The corneal wound healing response: cytokine-mediated interaction of the epithelium, stroma, and inflammatory cells. <i>Progress in Retinal and Eye Research</i> , 2001 , 20, 625-37	20.5	466
92	The wound healing response after laser in situ keratomileusis and photorefractive keratectomy: elusive control of biological variability and effect on custom laser vision correction. <i>JAMA Ophthalmology</i> , 2001 , 119, 889-96		129
91	Discoidin domain receptor (DDR) 1 and 2: collagen-activated tyrosine kinase receptors in the cornea. <i>Experimental Eye Research</i> , 2001 , 72, 87-92	3.7	25
90	Laser in situ keratomileusis-induced neurotrophic epitheliopathy. <i>American Journal of Ophthalmology</i> , 2001 , 132, 405-6	4.9	117
89	Laser in situ keratomileusis-induced (presumed) neurotrophic epitheliopathy. <i>Ophthalmology</i> , 2001 , 108, 1082-7	7.3	143
88	Differential expression analysis by gene array of cell cycle modulators in human corneal epithelial cells stimulated with epidermal growth factor (EGF), hepatocyte growth factor (HGF), or keratinocyte growth factor (KGF). <i>Current Eye Research</i> , 2001 , 23, 69-76	2.9	24
87	Hyperopic laser in situ keratomileusis: primary and secondary treatments are safe and effective. <i>Cornea</i> , 2001 , 20, 388-93	3.1	40
86	Computerized corneal topography and its importance to wavefront technology. <i>Cornea</i> , 2001 , 20, 441-54	5.1	42
85	Laser in situ keratomileusis versus photorefractive keratectomy in the correction of myopic astigmatism. <i>Cornea</i> , 2001 , 20, 385-7	3.1	15
84	Recovery of uncorrected visual acuity after laser in situ keratomileusis or photorefractive keratectomy for low myopia. <i>Cornea</i> , 2001 , 20, 153-5	3.1	26
83	Complications of Laser in situ Keratomileusis: Etiology, Prevention, and Treatment. <i>Journal of Refractive Surgery</i> , 2001 , 17, 350-379	3.3	170
82	Incidence and prevention of epithelial growth within the interface after laser in situ keratomileusis. <i>Cornea</i> , 2000 , 19, 170-3	3.1	95
81	One-year results of PRK in low and moderate myopia: fewer than 0.5% of eyes lose two or more lines of vision. <i>Cornea</i> , 2000 , 19, 180-4	3.1	23
80	Surgically induced astigmatism after photorefractive keratectomy with the excimer laser. <i>Cornea</i> , 2000 , 19, 174-9	3.1	10
79	Bowman's layer structure and function: critical or dispensable to corneal function? A hypothesis. <i>Cornea</i> , 2000 , 19, 417-20	3.1	97
78	Defective keratocyte apoptosis in response to epithelial injury in stat 1 null mice. <i>Experimental Eye Research</i> , 2000 , 70, 485-91	3.7	19
77	Caspase inhibitor z-VAD-FMK inhibits keratocyte apoptosis, but promotes keratocyte necrosis, after corneal epithelial scrape. <i>Experimental Eye Research</i> , 2000 , 71, 225-32	3.7	15
76	Discussion by Steven E. Wilson, M.D.. <i>Ophthalmology</i> , 2000 , 107, 684	7.3	

75	Arcuate Transverse Keratotomy Remains a Useful Adjunct to Correct Astigmatism in Conjunction With Photorefractive Keratectomy. <i>Journal of Refractive Surgery</i> , 2000 , 16, 60-68	3.3	7
74	Lower Intraoperative Flap Complication Rate With the Hansatome Microkeratome Compared to the Automated Corneal Shaper. <i>Journal of Refractive Surgery</i> , 2000 , 16, 79-82	3.3	48
73	Role of apoptosis in wound healing in the cornea. <i>Cornea</i> , 2000 , 19, S7-12	3.1	60
72	Stromal-epithelial interactions in the cornea. <i>Progress in Retinal and Eye Research</i> , 1999 , 18, 293-309	20.5	276
71	Binocular function and patient satisfaction after monovision induced by myopic photorefractive keratectomy. <i>Journal of Cataract and Refractive Surgery</i> , 1999 , 25, 177-82	2.3	97
70	Epithelial removal with the excimer laser (laser-scrape) in photorefractive keratectomy retreatment. <i>Ophthalmology</i> , 1999 , 106, 29-34	7.3	7
69	Ex vivo human corneal epithelial cells express membrane-bound precursor and mature soluble epidermal growth factor (EGF) and transforming growth factor (TGF) alpha proteins. <i>Experimental Eye Research</i> , 1999 , 68, 129-31	3.7	10
68	Corneal epithelium-specific mouse keratin K12 promoter. <i>Experimental Eye Research</i> , 1999 , 68, 295-301	3.7	65
67	Expression of HGF, KGF, EGF and receptor messenger RNAs following corneal epithelial wounding. <i>Experimental Eye Research</i> , 1999 , 68, 377-97	3.7	150
66	Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 1999 , 68, 583-90	3.7	33
65	Stimulus-specific and cell type-specific cascades: emerging principles relating to control of apoptosis in the eye. <i>Experimental Eye Research</i> , 1999 , 69, 255-66	3.7	40
64	Keratocyte apoptosis associated with keratoconus. <i>Experimental Eye Research</i> , 1999 , 69, 475-81	3.7	189
63	Epithelial scrape for photorefractive keratectomy overcorrection associated with induced regression. <i>Cornea</i> , 1999 , 18, 661-3	3.1	4
62	Transepithelial photorefractive keratectomy for treatment of thin flaps or caps after complicated laser in situ keratomileusis. <i>American Journal of Ophthalmology</i> , 1998 , 126, 827-9	4.9	48
61	LASIK: management of common complications. Laser in situ keratomileusis. <i>Cornea</i> , 1998 , 17, 459-67	3.1	158
60	Photorefractive keratectomy using the summit SVS Apex laser with or without astigmatic keratotomy. <i>Cornea</i> , 1998 , 17, 508-16	3.1	21
59	Differences in Keratocyte Apoptosis Following Transepithelial and Laser-scrape Photorefractive Keratectomy in Rabbits. <i>Journal of Refractive Surgery</i> , 1998 , 14, 526-533	3.3	37
58	Expression of HGF, its receptor c-met, c-myc, and albumin in cirrhotic and neoplastic human liver tissue. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 79-87	3.4	71

57	IL-1 Upregulates Keratinocyte Growth Factor and Hepatocyte Growth Factor mRNA and Protein Production by Cultured Stromal Fibroblast Cells. <i>Cornea</i> , 1997 , 16, 465-471	3.1	64
56	Characterization of SV40-Transfected Cell Strains from Rabbit Keratocytes. <i>Cornea</i> , 1997 , 16, 72-78	3.1	11
55	Epithelial Growth Within the Lamellar Interface After Laser In Situ Keratomileusis (LASIK). <i>Cornea</i> , 1997 , 16, 300-305	3.1	46
54	Effects of 50% Ethanol and Mechanical Epithelial Debridement on Corneal Structure Before and After Excimer Photorefractive Keratectomy. <i>Cornea</i> , 1997 , 16, 571-579	3.1	25
53	Unilateral keratoconus. Incidence and quantitative topographic analysis. <i>Ophthalmology</i> , 1997 , 104, 1409-13	3.3	105
52	Small-diameter, round, eccentric penetrating keratoplasties and corneal topographic correlation. <i>Ophthalmology</i> , 1997 , 104, 643-7	7.3	15
51	Analysis of corneal topography after automated lamellar keratoplasty. <i>Ophthalmology</i> , 1997 , 104, 950-57.3	7.3	4
50	Tear hepatocyte growth factor (HGF) availability increases markedly after excimer laser surface ablation. <i>Experimental Eye Research</i> , 1997 , 64, 501-4	3.7	61
49	Herpes simplex virus type-1 infection of corneal epithelial cells induces apoptosis of the underlying keratocytes. <i>Experimental Eye Research</i> , 1997 , 64, 775-9	3.7	71
48	Fuchs' corneal endothelial cells transduced with the human papilloma virus E6/E7 oncogenes. <i>Experimental Eye Research</i> , 1997 , 65, 135-42	3.7	17
47	Apoptosis in the cornea: further characterization of Fas/Fas ligand system. <i>Experimental Eye Research</i> , 1997 , 65, 575-89	3.7	115
46	Molecular Cell Biology for the Refractive Corneal Surgeon: Programmed Cell Death and Wound Healing. <i>Journal of Refractive Surgery</i> , 1997 , 13, 171-175	3.3	83
45	Stromal-Epithelial Interactions in the Cornea 1997 , 399-411		
44	Epithelial injury induces keratocyte apoptosis: hypothesized role for the interleukin-1 system in the modulation of corneal tissue organization and wound healing. <i>Experimental Eye Research</i> , 1996 , 62, 325-37	3.7	460
43	Prospective study of corneal topographic changes produced by extracapsular cataract surgery. <i>Cornea</i> , 1996 , 15, 196-203	3.1	8
42	Interferon treatment of Mooren's ulcers associated with hepatitis C. <i>American Journal of Ophthalmology</i> , 1995 , 119, 365-6	4.9	38
41	Epidermal growth factor, transforming growth factor alpha, transforming growth factor beta, acidic fibroblast growth factor, basic fibroblast growth factor, and interleukin-1 proteins in the cornea. <i>Experimental Eye Research</i> , 1994 , 59, 63-71	3.7	156
40	Effect of epidermal growth factor, hepatocyte growth factor, and keratinocyte growth factor, on proliferation, motility and differentiation of human corneal epithelial cells. <i>Experimental Eye Research</i> , 1994 , 59, 665-78	3.7	200

39	Screening for corneal topographic abnormalities before refractive surgery. <i>Ophthalmology</i> , 1994 , 101, 147-52	7.3	177
38	Mooren-type hepatitis C virus-associated corneal ulceration. <i>Ophthalmology</i> , 1994 , 101, 736-45	7.3	79
37	Glucocorticoid receptor and interleukin-1 receptor messenger RNA expression in corneal cells. <i>Cornea</i> , 1994 , 13, 4-8	3.1	19
36	Growth factor and receptor messenger RNA production in human lacrimal gland tissue. <i>Advances in Experimental Medicine and Biology</i> , 1994 , 350, 197-204	3.6	3
35	Standardized color-coded maps for corneal topography. <i>Ophthalmology</i> , 1993 , 100, 1723-7	7.3	70
34	Corneal topographic alterations in normal contact lens wearers. <i>Ophthalmology</i> , 1993 , 100, 128-34	7.3	64
33	Mooren's corneal ulcers and hepatitis C virus infection. <i>New England Journal of Medicine</i> , 1993 , 329, 62	59.2	35
32	Evaluating the reproducibility of topography systems on spherical surfaces. <i>JAMA Ophthalmology</i> , 1993 , 111, 259-62		28
31	The correction of myopia with phakic intraocular lenses. <i>American Journal of Ophthalmology</i> , 1993 , 115, 249-51	4.9	9
30	Fibroblast growth factor-1 receptor messenger RNA expression in corneal cells. <i>Cornea</i> , 1993 , 12, 249-54	3.1	14
29	Two-dimensional gel electrophoretic comparison of endothelial cell-Descemet's membrane proteins in Fuchs' dystrophy and normal corneas. <i>Cornea</i> , 1992 , 11, 315-8	3.1	3
28	Accuracy and precision of the corneal analysis system and the topographic modeling system. <i>Cornea</i> , 1992 , 11, 28-35	3.1	64
27	Quantification and Mathematical Analysis of Photokeratoscopic Images 1992 , 1-9		1
26	Corneal Topography of Keratoconus. <i>Cornea</i> , 1991 , 10, 2-8	3.1	189
25	Epidermal growth factor messenger RNA production in human lacrimal gland. <i>Cornea</i> , 1991 , 10, 519-24	3.1	32
24	Lacrimal gland epidermal growth factor production and the ocular surface. <i>American Journal of Ophthalmology</i> , 1991 , 111, 763-5	4.9	32
23	Quantitative descriptors of corneal topography. A clinical study. <i>JAMA Ophthalmology</i> , 1991 , 109, 349-53		250
22	Advances in the analysis of corneal topography. <i>Survey of Ophthalmology</i> , 1991 , 35, 269-77	6.1	136

21	Changes in corneal topography after excimer laser photorefractive keratectomy for myopia. <i>Ophthalmology</i> , 1991 , 98, 1338-47	7.3	150
20	Postkeratoplasty astigmatism. <i>Ophthalmology</i> , 1991 , 98, 1005-7	7.3	2
19	Corneal Trauma and Infection Caused by Manipulation of the Eyelashes after Application of Mascara. <i>Cornea</i> , 1990 , 9, 182	3.1	3
18	An adjustable single running suture technique to reduce postkeratoplasty astigmatism. A preliminary report. <i>Ophthalmology</i> , 1990 , 97, 934-8	7.3	51
17	Topographic changes in contact lens-induced corneal warpage. <i>Ophthalmology</i> , 1990 , 97, 734-44	7.3	143
16	Graft failure after penetrating keratoplasty. <i>Survey of Ophthalmology</i> , 1990 , 34, 325-56	6.1	206
15	Terrien's Marginal Degeneration: Corneal Topography. <i>Journal of Refractive Surgery</i> , 1990 , 6, 15-20	3.3	19
14	Topographic Changes that Occur with 10-0 Running Suture Removal Following Penetrating Keratoplasty. <i>Journal of Refractive Surgery</i> , 1990 , 6, 21-25	3.3	35
13	EXCIMER LASER (193 nm) MYOPIC KERATOMILEUSIS: DIFFERENTIAL STABILITY IN LOWER AND HIGHER MYOPES. <i>Journal of Refractive Surgery</i> , 1990 , 6, 383-385	3.3	9
12	Effect of recipient-donor trephine size disparity on refractive error in keratoconus. <i>Ophthalmology</i> , 1989 , 96, 299-305	7.3	66
11	Corneal preservation. <i>Survey of Ophthalmology</i> , 1989 , 33, 237-59	6.1	51
10	The correction of myopia by lens implantation into phakic eyes. <i>American Journal of Ophthalmology</i> , 1989 , 108, 465-6	4.9	11
9	Topographic analysis and visual acuity after radial keratotomy. <i>American Journal of Ophthalmology</i> , 1989 , 107, 436-8	4.9	10
8	Edema of the corneal stroma induced by cold in trigeminal neuropathy. <i>American Journal of Ophthalmology</i> , 1989 , 107, 52-9	4.9	13
7	Corneal Topography Comes of Age. <i>Journal of Refractive Surgery</i> , 1989 , 5, 359-361	3.3	6
6	Methods of Analysis of Corneal Topography. <i>Journal of Refractive Surgery</i> , 1989 , 5, 368-371	3.3	26
5	Quantitative Descriptors of Corneal Shape Derived from Computer-assisted Analysis of Photokeratographs. <i>Journal of Refractive Surgery</i> , 1989 , 5, 372-378	3.3	121
4	Fuchs' Dystrophy. <i>Cornea</i> , 1988 , 7, 21-18	3.1	107

- 3 Endothelial function and aqueous humor flow rate in patients with Fuchs' dystrophy. *American Journal of Ophthalmology*, **1988**, 106, 270-8 4-9 25
- 2 Neodymium: YAG laser damage threshold. A comparison of injection-molded and lathe-cut polymethylmethacrylate intraocular lenses. *Ophthalmology*, **1987**, 94, 7-11 7-3 23
- 1 An isoelectrofocusing study of rabbit pyruvate kinases. *International Journal of Biochemistry & Cell Biology*, **1976**, 7, 103-106 3