Steven E Wilson

List of Publications by Year
in descending order

264	17,385	13099	18647
papers	citations	68 h-index	119 g-index

271	271	271	6625
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Corneal Wound Healing Response:. Progress in Retinal and Eye Research, 2001, 20, 625-637.	15.5	529
2	Epithelial Injury Induces Keratocyte Apoptosis: Hypothesized Role for the Interleukin-1 System in the Modulation of Corneal Tissue Organization and Wound Healing. Experimental Eye Research, 1996, 62, 325-338.	2.6	516
3	Dysfunctional Tear Syndrome. Cornea, 2006, 25, 900-907.	1.7	450
4	Biomechanics and wound healing in the cornea. Experimental Eye Research, 2006, 83, 709-720.	2.6	440
5	Minimal Clinically Important Difference for the Ocular Surface Disease Index. JAMA Ophthalmology, 2010, 128, 94.	2.4	411
6	Wound Healing in the Cornea. Cornea, 2005, 24, 509-522.	1.7	378
7	Apoptosis, necrosis, proliferation, and myofibroblast generation in the stroma following LASIK and PRK. Experimental Eye Research, 2003, 76, 71-87.	2.6	374
8	Stromal-epithelial interactions in the cornea. Progress in Retinal and Eye Research, 1999, 18, 293-309.	15.5	314
9	TFOS DEWS II iatrogenic report. Ocular Surface, 2017, 15, 511-538.	4.4	304
10	Quantitative Descriptors of Corneal Topography. JAMA Ophthalmology, 1991, 109, 349.	2.4	276
11	Stromal haze, myofibroblasts, and surface irregularity after PRK. Experimental Eye Research, 2006, 82, 788-797.	2.6	245
12	Graft failure after penetrating keratoplasty. Survey of Ophthalmology, 1990, 34, 325-356.	4.0	238
13	Keratocyte Apoptosis Associated with Keratoconus. Experimental Eye Research, 1999, 69, 475-481.	2.6	225
14	Effect of Epidermal Growth Factor, Hepatocyte Growth Factor, and Keratinocyte Growth Factor, on Proliferation, Motility and Differentiation of Human Corneal Epithelial Cells. Experimental Eye Research, 1994, 59, 665-678.	2.6	219
15	Screening for Corneal Topographic Abnormalities before Refractive Surgery. Ophthalmology, 1994, 101, 147-152.	5.2	209
16	The corneal fibrosis response to epithelialâ€“stromal injury. Experimental Eye Research, 2016, 142, 110-118.	2.6	206
17	Corneal Topography of Keratoconus. Cornea, 1991, 10, 2-8.	1.7	205
18	LASIK-associated Dry Eye and Neurotrophic Epitheliopathy: Pathophysiology and Strategies for Prevention and Treatment. Journal of Refractive Surgery, 2008, 24, 396-407.	2.3	205

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19	The Corneal Epithelial Basement Membrane: Structure, Function, and Disease. , 2013, 54, 6390.		199
20	Complications of Laser in situ Keratomileusis: Etiology, Prevention, and Treatment. Journal of Refractive Surgery, 2001, 17, 350-379.	2.3	194
21	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
22	LASIK. Cornea, 1998, 17, 459-467.	1.7	173
23	Corneal myofibroblast biology and pathobiology: Generation, persistence, and transparency. Experimental Eye Research, 2012, 99, 78-88.	2.6	170
24	Expression of HGF, KGF, EGF and Receptor Messenger RNAs Following Corneal Epithelial Wounding. Experimental Eye Research, 1999, 68, 377-397.	2.6	168
25	LASIK vs LASEK vs PRK: Advantages and indications. Seminars in Ophthalmology, 2003, 18, 2-10.	1.6	168
26	Effect of Prophylactic and Therapeutic Mitomycin C on Corneal Apoptosis, Cellular Proliferation, Haze, and Long-term Keratocyte Density in Rabbits. Journal of Refractive Surgery, 2006, 22, 562-574.	2.3	167
27	Topographic Changes in Contact Lens-induced Corneal Warpage. Ophthalmology, 1990, 97, 734-744.	5.2	166
28	Laser in situ keratomileusisâ€"induced (presumed) neurotrophic epitheliopathy. Ophthalmology, 2001, 108, 1082-1087.	5.2	166
29	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. Experimental Eye Research, 1994, 59, 63-72.	2.6	163
30	Changes in Corneal Topography after Excimer Laser Photorefractive Keratectomy for Myopia. Ophthalmology, 1991, 98, 1338-1347.	5.2	160
31	Corneal Topographic and Pachymetric Screening of Keratorefractive Patients. Journal of Refractive Surgery, 2003, 19, 24-29.	2.3	158
32	The Wound Healing Response After Laser In Situ Keratomileusis and Photorefractive Keratectomy. JAMA Ophthalmology, 2001, 119, 889.	2.4	156
33	Advances in the analysis of corneal topography. Survey of Ophthalmology, 1991, 35, 269-277.	4.0	155
34	Laser in situ keratomileusis-induced neurotrophic epitheliopathy. American Journal of Ophthalmology, 2001, 132, 405-406.	3.3	145
35	Apoptosis in the initiation, modulation and termination of the corneal wound healing response. Experimental Eye Research, 2007, 85, 305-311.	2.6	143
36	Femtosecond Laser and Microkeratome Corneal Flaps: Comparison of Stromal Wound Healing and Inflammation. Journal of Refractive Surgery, 2007, 23, 667-676.	2.3	143

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37	Quantitative Descriptors of Corneal Shape Derived from Computer-assisted Analysis of Photokeratographs. Journal of Refractive Surgery, 1989, 5, 372-378.	2.3	141
38	Dry eye associated with laser in situ keratomileusis: Mechanical microkeratome versus femtosecond laser. Journal of Cataract and Refractive Surgery, 2009, 35, 1756-1760.	1.5	136
39	Corneal cells: chatty in development, homeostasis,wound healing, and disease. American Journal of Ophthalmology, 2003, 136, 530-536.	3.3	132
40	Fuchs?? Dystrophy. Cornea, 1988, 7, 2???18.	1.7	129
41	Apoptosis in the Cornea: Further Characterization of Fas/Fas Ligand System. Experimental Eye Research, 1997, 65, 575-589.	2.6	129
42	Unilateral Keratoconus. Ophthalmology, 1997, 104, 1409-1413.	5.2	119
43	Binocular function and patient satisfactionafter monovision induced by myopic photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1999, 25, 177-182.	1.5	119
44	Femtosecond laser in laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2010, 36, 1024-1032.	1.5	118
45	Bowman's Layer Structure and Function. Cornea, 2000, 19, 417-420.	1.7	112
46	Incidence and Prevention of Epithelial Growth Within the Interface After Laser In Situ Keratomileusis. Cornea, 2000, 19, 170-173.	1.7	109
47	Mooren-type Hepatitis C Virus-associated Corneal Ulceration. Ophthalmology, 1994, 101, 736-745.	5.2	102
48	Dynamics of the expression of intermediate filaments vimentin and desmin during myofibroblast differentiation after corneal injury. Experimental Eye Research, 2009, 89, 133-139.	2.6	98
49	Cellular and extracellular matrix modulation of corneal stromal opacity. Experimental Eye Research, 2014, 129, 151-160.	2.6	94
50	BMP receptor 1b is required for axon guidance and cell survival in the developing retina. Developmental Biology, 2003, 256, 34-48.	2.0	93
51	The Correction of Myopia by Lens Implantation Into Phakic Eyes. American Journal of Ophthalmology, 1989, 108, 465.	3.3	92
52	Corneal myofibroblast generation from bone marrow-derived cells. Experimental Eye Research, 2010, 91, 92-96.	2.6	92
53	Corneal wound healing. Experimental Eye Research, 2020, 197, 108089.	2.6	92
54	The Corneal Basement Membranes and Stromal Fibrosis. , 2018, 59, 4044.		90

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55	Mitomycin C: Biological Effects and Use in Refractive Surgery. Cornea, 2012, 31, 311-321.	1.7	89
56	IL-1 Upregulates Keratinocyte Growth Factor and Hepatocyte Growth Factor mRNA and Protein Production by Cultured Stromal Fibroblast Cells. Cornea, 1997, 16, 465???471.	1.7	88
57	Gene therapy in the cornea. Progress in Retinal and Eye Research, 2005, 24, 537-559.	15.5	87
58	Molecular Cell Biology for the Refractive Corneal Surgeon: Programmed Cell Death and Wound Healing. Journal of Refractive Surgery, 1997, 13, 171-175.	2.3	87
59	Long-term Resolution of Chronic Dry Eye Symptoms and Signs after Topical Cyclosporine Treatment. Ophthalmology, 2007, 114, 76-79.	5.2	86
60	Expression of HGF, Its Receptor c-met, c-myc, and Albumin in Cirrhotic and Neoplastic Human Liver Tissue. Journal of Histochemistry and Cytochemistry, 1997, 45, 79-87.	2.5	82
61	Herpes Simplex Virus Type-1 Infection of Corneal Epithelial Cells Induces Apoptosis of the Underlying Keratocytes. Experimental Eye Research, 1997, 64, 775-779.	2.6	80
62	Standardized Color-coded Maps for Corneal Topography. Ophthalmology, 1993, 100, 1723-1727.	5.2	79
63	Fibrocytes, Wound Healing, and Corneal Fibrosis. , 2020, 61, 28.		79
64	Effect of Recipient-donor Trephine Size Disparity on Refractive Error in Keratoconus. Ophthalmology, 1989, 96, 299-305.	5.2	78
65	Wavefront-Guided Ablation: Evidence for Efficacy Compared to Traditional Ablation. American Journal of Ophthalmology, 2006, 141, 360-368.e1.	3.3	76
66	Corneal Epithelium-specific Mouse Keratin K12 Promoter. Experimental Eye Research, 1999, 68, 295-301.	2.6	75
67	Wavefront Analysis Comparison of LASIK Outcomes With the Femtosecond Laser and Mechanical Microkeratomes. Journal of Refractive Surgery, 2007, 23, 880-887.	2.3	75
68	Dry Eye and Corneal Sensitivity After High Myopic LASIK. Journal of Refractive Surgery, 2007, 23, 338-342.	2.3	74
69	Corneal Topographic Alterations in Normal Contact Lens Wearers. Ophthalmology, 1993, 100, 128-134.	5.2	73
70	Sporadic Diffuse Lamellar Keratitis (DLK) After LASIK. Cornea, 2002, 21, 560-563.	1.7	73
71	Corneal myofibroblast viability: Opposing effects of IL-1 and TGF Î²1. Experimental Eye Research, 2009, 89, 152-158.	2.6	70
72	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

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73	Injury and defective regeneration of the epithelial basement membrane in corneal fibrosis: A paradigm for fibrosis in other organs?. Matrix Biology, 2017, 64, 17-26.	3.6	70
74	Accuracy and Precision of the Corneal Analysis System and the Topographic Modeling System. Cornea, 1992, 11, 28-35.	1.7	68
75	Role of Apoptosis in Wound Healing in the Cornea. Cornea, 2000, 19, S7-S12.	1.7	68
76	Corneal topographic and pachymetric screening of keratorefractive patients. Journal of Refractive Surgery, 2003, 19, 24-9.	2.3	68
77	Tear Hepatocyte Growth Factor (HGF) Availability Increases Markedly after Excimer Laser Surface Ablation. Experimental Eye Research, 1997, 64, 501-504.	2.6	67
78	Epithelial Growth Within the Lamellar Interface After Laser In Situ Keratomileusis (LASIK). Cornea, 1997, 16, 300???305.	1.7	66
79	Transmission Electron Microscopy Analysis of Epithelial Basement Membrane Repair in Rabbit Corneas With Haze. , 2013, 54, 4026.		66
80	Effect of Femtosecond Laser Energy Level on Corneal Stromal Cell Death and Inflammation. Journal of Refractive Surgery, 2009, 25, 869-874.	2.3	64
81	Ultrastructure of the Posterior Corneal Stroma. Ophthalmology, 2015, 122, 693-699.	5.2	62
82	Fibrocyte migration, differentiation and apoptosis during the corneal wound healing response to injury. Experimental Eye Research, 2018, 170, 177-187.	2.6	62
83	An Adjustable Single Running Suture Technique to Reduce Postkeratoplasty Astigmatism. Ophthalmology, 1990, 97, 934-938.	5.2	61
84	Effect of TGFÎ² and PDGF-B blockade on corneal myofibroblast development in mice. Experimental Eye Research, 2011, 93, 810-817.	2.6	61
85	Corneal myofibroblasts and fibrosis. Experimental Eye Research, 2020, 201, 108272.	2.6	60
86	Flap lift for LASIK retreatment in eyes with myopia. Ophthalmology, 2004, 111, 1362-1367.	5.2	59
87	Effect of prophylactic and therapeutic mitomycin C on corneal apoptosis, cellular proliferation, haze, and long-term keratocyte density in rabbits. Journal of Refractive Surgery, 2006, 22, 562-74.	2.3	59
88	Corneal preservation. Survey of Ophthalmology, 1989, 33, 237-259.	4.0	58
89	Lymphedema-distichiasis syndrome and FOXC2 gene mutation. American Journal of Ophthalmology, 2002, 134, 592-596.	3.3	57
90	Descemet's membrane development, structure, function and regeneration. Experimental Eye Research, 2020, 197, 108090.	2.6	56

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91	Analysis of the keratocyte apoptosis, keratocyte proliferation, and myofibroblast transformation responses after photorefractive keratectomy and laser in situ keratomileusis. Transactions of the American Ophthalmological Society, 2002, 100, 411-33.	1.4	56
92	RANK, RANKL, OPG, and M-CSF Expression in Stromal Cells during Corneal Wound Healing. , 2004, 45, 2201.		55
93	Peripheral Sterile Corneal Ring Infiltrate After Riboflavinâ€“UVA Collagen Cross-Linking in Keratoconus. Cornea, 2012, 31, 702-705.	1.7	55
94	Transepithelial photorefractive keratectomy for treatment of thin flaps or caps after complicated laser in situ keratomileusis. American Journal of Ophthalmology, 1998, 126, 827-829.	3.3	54
95	Computerized Corneal Topography and Its Importance to Wavefront Technology. Cornea, 2001, 20, 441-454.	1.7	54
96	Lower Intraoperative Flap Complication Rate With the Hansatome Microkeratome Compared to the Automated Corneal Shaper. Journal of Refractive Surgery, 2000, 16, 79-82.	2.3	54
97	Pupil Size in Refractive Surgery Candidates. Journal of Refractive Surgery, 2004, 20, 337-342.	2.3	54
98	Femtosecond laser and microkeratome corneal flaps: comparison of stromal wound healing and inflammation. Journal of Refractive Surgery, 2007, 23, 667-76.	2.3	54
99	A novel method for generating corneal haze in anterior stroma of the mouse eye with the excimer laser. Experimental Eye Research, 2008, 86, 235-240.	2.6	53
100	Gene transfer into rabbit keratocytes using AAV and lipid-mediated plasmid DNA vectors with a lamellar flap for stromal access. Experimental Eye Research, 2003, 76, 373-383.	2.6	52
101	Corneal stroma PDGF blockade and myofibroblast development. Experimental Eye Research, 2009, 88, 960-965.	2.6	52
102	Bowman's layer in the corneaâ€“ structure and function and regeneration. Experimental Eye Research, 2020, 195, 108033.	2.6	52
103	Regeneration of Defective Epithelial Basement Membrane and Restoration of Corneal Transparency After Photorefractive Keratectomy. Journal of Refractive Surgery, 2017, 33, 337-346.	2.3	52
104	TGFÎ² and PDGF-B signaling blockade inhibits myofibroblast development from both bone marrow-derived and keratocyte-derived precursor cells inÂvivo. Experimental Eye Research, 2014, 121, 35-40.	2.6	51
105	Interferon Treatment of Mooren's Ulcers Associated With Hepatitis C. American Journal of Ophthalmology, 1995, 119, 365-366.	3.3	50
106	Stromal interleukin-1 expression in the cornea after haze-associated injury. Experimental Eye Research, 2010, 91, 456-461.	2.6	50
107	Screening of Refractive Surgery Candidates for LASIK and PRK. Cornea, 2014, 33, 1051-1055.	1.7	49
108	Transforming growth factor Î² and platelet-derived growth factor modulation of myofibroblast development from corneal fibroblasts inÂvitro. Experimental Eye Research, 2014, 120, 152-160.	2.6	49

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109	Topical interleukin-1 receptor antagonist inhibits inflammatory cell infiltration into the cornea. Experimental Eye Research, 2008, 86, 753-757.	2.6	48
110	Epithelial basement membrane injury and regeneration modulates corneal fibrosis after pseudomonas corneal ulcers in rabbits. Experimental Eye Research, 2017, 161, 101-105.	2.6	48
111	Pathophysiology of Corneal Scarring in Persistent Epithelial Defects After PRK and Other Corneal Injuries. Journal of Refractive Surgery, 2018, 34, 59-64.	2.3	48
112	Corneal Molecular and Cellular Biology Update for the Refractive Surgeon. Journal of Refractive Surgery, 2009, 25, 459-466.	2.3	48
113	Femtosecond Laser-Assisted LASIK Flap Complications. Journal of Refractive Surgery, 2016, 32, 52-59.	2.3	48
114	TGF beta â^'1, â^'2 and â^'3 in the modulation of fibrosis in the cornea and other organs. Experimental Eye Research, 2021, 207, 108594.	2.6	47
115	Hyperopic Laser In Situ Keratomileusis. Cornea, 2001, 20, 388-393.	1.7	45
116	Wavefront Analysis in Normal Refractive Surgery Candidates. Journal of Refractive Surgery, 2005, 21, 332-338.	2.3	45
117	Corneal Wound Healing After Ultraviolet-A/Riboflavin Collagen Cross-Linking: A Rabbit Study. Journal of Refractive Surgery, 2011, 27, 401-407.	2.3	45
118	Stimulus-specific and Cell Type-specific Cascades: Emerging Principles Relating to Control of Apoptosis in the Eye. Experimental Eye Research, 1999, 69, 255-266.	2.6	44
119	Biological and Biomechanical Responses to Traditional Epithelium-Off and Transepithelial Riboflavin-UVA CXL Techniques in Rabbits. Journal of Refractive Surgery, 2013, 29, 332-341.	2.3	44
120	Differences in Keratocyte Apoptosis Following Transepithelial and Laser-scrape Photorefractive Keratectomy in Rabbits. Journal of Refractive Surgery, 1998, 14, 526-533.	2.3	44
121	Mooren's Corneal Ulcers and Hepatitis C Virus Infection. New England Journal of Medicine, 1993, 329, 62-62.	27.0	42
122	Use of Lasers for Vision Correction of Nearsightedness and Farsightedness. New England Journal of Medicine, 2004, 351, 470-475.	27.0	41
123	Stromal fibroblastâ€“bone marrow-derived cell interactions: Implications for myofibroblast development in the cornea. Experimental Eye Research, 2012, 98, 1-8.	2.6	41
124	BAC-EDTA transepithelial riboflavin-UVA crosslinking has greater biomechanical stiffening effect than standard epithelium-off in rabbit corneas. Experimental Eye Research, 2014, 125, 114-117.	2.6	40
125	Development of genetically engineered tet HPV16-E6/E7 transduced human corneal epithelial clones having tight regulation of proliferation and normal differentiation. Experimental Eye Research, 2003, 77, 395-407.	2.6	39
126	Changes in custom biomechanical variables after femtosecond laser in situ keratomileusis and photorefractive keratectomy for myopia. Journal of Cataract and Refractive Surgery, 2014, 40, 918-928.	1.5	39

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127	Epithelial basement membrane proteins perlecan and nidogen-2 are up-regulated in stromal cells after epithelial injury in human corneas. Experimental Eye Research, 2015, 134, 33-38.	2.6	39
128	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
129	Topographic Changes that Occur with 10-0 Running Suture Removal Following Penetrating Keratoplasty. Journal of Refractive Surgery, 1990, 6, 21-25.	2.3	38
130	Fas-Activated Apoptosis and Apoptosis Mediators in Human Trabecular Meshwork Cells. Experimental Eye Research, 1999, 68, 583-590.	2.6	37
131	Methods of Analysis of Corneal Topography. Journal of Refractive Surgery, 1989, 5, 368-371.	2.3	37
132	Bilateral Marginal Sterile Infiltrates and Diffuse Lamellar Keratitis After Laser in situ Keratomileusis. Journal of Refractive Surgery, 2003, 19, 154-158.	2.3	37
133	Effect of ectopic epithelial tissue within the stroma on keratocyte apoptosis, mitosis, and myofibroblast transformation. Experimental Eye Research, 2003, 76, 193-201.	2.6	36
134	Agreement of Physician Treatment Practices With the International Task Force Guidelines for Diagnosis and Treatment of Dry Eye Disease. Cornea, 2007, 26, 284-289.	1.7	36
135	Focus on Molecules: Interleukin-1: A master regulator of the corneal response to injury. Experimental Eye Research, 2009, 89, 124-125.	2.6	36
136	TGFÎ²1 and TGFÎ²2 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. Experimental Eye Research, 2021, 202, 108325.	2.6	36
137	Effects of 50% Ethanol and Mechanical Epithelial Debridement on Corneal Structure Before and After Excimer Photorefractive Keratectomy. Cornea, 1997, 16, 571???579.	1.7	35
138	Cellular Effects After Laser In Situ Keratomileusis Flap Formation With Femtosecond Lasers: A Review. Cornea, 2012, 31, 198-205.	1.7	35
139	Corneal epithelial basement membrane: Structure, function and regeneration. Experimental Eye Research, 2020, 194, 108002.	2.6	35
140	Lacrimal Gland Epidermal Growth Factor Production and the Ocular Surface. American Journal of Ophthalmology, 1991, 111, 763-765.	3.3	34
141	Indications for Excimer Laser Surface Ablation. Journal of Refractive Surgery, 2005, 21, 734-741.	2.3	34
142	Visual Performance of an Apodized Diffractive Multifocal Intraocular Lens With +3.00-D Addition: 1-year Follow-up. Journal of Refractive Surgery, 2011, 27, 899-906.	2.3	34
143	Epidermal Growth Factor Messenger RNA Production in Human Lacrimal Gland. Cornea, 1991, 10, 519-524.	1.7	33
144	Differences in the early biomechanical effects of hyperopic and myopic laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2010, 36, 947-953.	1.5	33

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145	Modulation transfer function and optical quality after bilateral implantation of a +3.00 D versus a +4.00 D multifocal intraocular lens. Journal of Cataract and Refractive Surgery, 2012, 38, 215-220.	1.5	33
146	Evaluating the Reproducibility of Topography Systems on Spherical Surfaces. JAMA Ophthalmology, 1993, 111, 259.	2.4	32
147	Recovery of Uncorrected Visual Acuity After Laser In Situ Keratomileusis or Photorefractive Keratectomy for Low Myopia. Cornea, 2001, 20, 153-155.	1.7	32
148	Phototherapeutic Keratectomy: Science and Art. Journal of Refractive Surgery, 2017, 33, 203-210.	2.3	32
149	Cautions regarding measurements of the posterior corneal curvature. Ophthalmology, 2000, 107, 1223.	5.2	31
150	LASIK vs LASEK vs PRK: Advantages and indications. Seminars in Ophthalmology, 2003, 18, 2-10.	1.6	31
151	Discoidin Domain Receptor (DDR) 1 and 2: Collagen-activated Tyrosine Kinase Receptors in the Cornea. Experimental Eye Research, 2001, 72, 87-92.	2.6	30
152	Corneal wound healing relevance to wavefront guided laser treatments. Ophthalmology Clinics of North America, 2004, 17, 225-231.	1.8	30
153	Monocyte development inhibitor PRM-151 decreases corneal myofibroblast generation in rabbits. Experimental Eye Research, 2011, 93, 786-789.	2.6	30
154	Flap Relift for Retreatment After Femtosecond Laserâ€“assisted LASIK. Journal of Refractive Surgery, 2012, 28, 482-487.	2.3	30
155	Loss of Alpha3(IV) Collagen Expression Associated with Corneal Keratocyte Activation. , 2007, 48, 627.		29
156	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.		29
157	One-Year Results of PRK in Low and Moderate Myopia: Fewer Than 0.5% of Eyes Lose Two or More Lines of Vision. Cornea, 2000, 19, 180-184.	1.7	28
158	Basement membranes in the cornea and other organs that commonly develop fibrosis. Cell and Tissue Research, 2018, 374, 439-453.	2.9	28
159	Descemet's Membrane Modulation of Posterior Corneal Fibrosis. , 2019, 60, 1010.		28
160	Corneal Molecular and Cellular Biology for the Refractive Surgeon: The Critical Role of the Epithelial Basement Membrane. Journal of Refractive Surgery, 2016, 32, 118-125.	2.3	28
161	Endothelial function and aqueous humor flow rate in patients with fuchs' dystrophy. American Journal of Ophthalmology, 1988, 106, 270-278.	3.3	27
162	Terrien's Marginal Degeneration: Corneal Topography. Journal of Refractive Surgery, 1990, 6, 15-20.	2.3	27

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163	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). Current Eye Research, 2001, 23, 69-76.	1.5	26
164	Early keratocyte apoptosis after epithelial scrape injury in the human cornea. Experimental Eye Research, 2009, 89, 597-599.	2.6	26
165	IL-1 and TGF-Î² Modulation of Epithelial Basement Membrane Components Perlecan and Nidogen Production by Corneal Stromal Cells. , 2018, 59, 5589.		25
166	Neodymium:YAG Laser Damage Threshold. Ophthalmology, 1987, 94, 7-11.	5.2	24
167	Early Pellucid Marginal Corneal Degeneration. Cornea, 2002, 21, 114-117.	1.7	24
168	Practical guidance for the use of cyclosporine ophthalmic solutions in the management of dry eye disease . Clinical Ophthalmology, 2019, Volume 13, 1115-1122.	1.8	24
169	EBM regeneration and changes in EBM component mRNA expression in stromal cells after corneal injury. Molecular Vision, 2017, 23, 39-51.	1.1	24
170	Photorefractive Keratectomy Using the Summit SVS Apex Laser With or Without Astigmatic Keratotomy. Cornea, 1998, 17, 508-516.	1.7	23
171	Quantitative proteomic comparison of myofibroblasts derived from bone marrow and cornea. Scientific Reports, 2020, 10, 16717.	3.3	23
172	Coordinated Modulation of Corneal Scarring by the Epithelial Basement Membrane and Descemet's Basement Membrane. Journal of Refractive Surgery, 2019, 35, 506-516.	2.3	23
173	Defective Keratocyte Apoptosis in Response to Epithelial Injury in Stat 1 Null Mice. Experimental Eye Research, 2000, 70, 485-491.	2.6	22
174	Reprint of â€œDynamics of the expression of intermediate filaments vimentin and desmin during myofibroblast differentiation after corneal injuryâ€• Experimental Eye Research, 2009, 89, 590-596.	2.6	22
175	3D in vitro corneal models: A review of current technologies. Experimental Eye Research, 2020, 200, 108213.	2.6	22
176	Biology of keratorefractive surgery- PRK, PTK, LASIK, SMILE, inlays and other refractive procedures. Experimental Eye Research, 2020, 198, 108136.	2.6	22
177	Topical losartan inhibits corneal scarring fibrosis and collagen type IV deposition after Descemet's membrane-endothelial excision in rabbits. Experimental Eye Research, 2022, 216, 108940.	2.6	22
178	Glucocorticoid Receptor and Interleukin-1 Receptor Messenger RNA Expression in Corneal Cells. Cornea, 1994, 13, 4-8.	1.7	21
179	Small-diameter, Round, Eccentric Penetrating Keratoplasties and Corneal Topographic Correlation. Ophthalmology, 1997, 104, 643-647.	5.2	21
180	Posterior stromal cell apoptosis triggered by mechanical endothelial injury and basement membrane component nidogen-1 production in the cornea. Experimental Eye Research, 2018, 172, 30-35.	2.6	21

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