

Steven E Wilson

List of Publications by Citations

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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 | 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 |
| 253 | 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 |
| 252 | Dysfunctional tear syndrome: a Delphi approach to treatment recommendations. <i>Cornea</i> , 2006 , 25, 900-3.1 | 3.1 | 374 |
| 251 | Biomechanics and wound healing in the cornea. <i>Experimental Eye Research</i> , 2006 , 83, 709-20 | 3.7 | 373 |
| 250 | 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 |
| 249 | 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 |
| 248 | Minimal clinically important difference for the ocular surface disease index. <i>JAMA Ophthalmology</i> , 2010 , 128, 94-101 | | 299 |
| 247 | Stromal-epithelial interactions in the cornea. <i>Progress in Retinal and Eye Research</i> , 1999 , 18, 293-309 | 20.5 | 276 |
| 246 | Quantitative descriptors of corneal topography. A clinical study. <i>JAMA Ophthalmology</i> , 1991 , 109, 349-53 | | 250 |
| 245 | Graft failure after penetrating keratoplasty. <i>Survey of Ophthalmology</i> , 1990 , 34, 325-56 | 6.1 | 206 |
| 244 | Stromal haze, myofibroblasts, and surface irregularity after PRK. <i>Experimental Eye Research</i> , 2006 , 82, 788-97 | 3.7 | 205 |
| 243 | 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 |
| 242 | Keratocyte apoptosis associated with keratoconus. <i>Experimental Eye Research</i> , 1999 , 69, 475-81 | 3.7 | 189 |
| 241 | Corneal Topography of Keratoconus. <i>Cornea</i> , 1991 , 10, 2-8 | 3.1 | 189 |
| 240 | Screening for corneal topographic abnormalities before refractive surgery. <i>Ophthalmology</i> , 1994 , 101, 147-52 | 7.3 | 177 |
| 239 | TFOS DEWS II iatrogenic report. <i>Ocular Surface</i> , 2017 , 15, 511-538 | 6.5 | 173 |
| 238 | Complications of Laser in situ Keratomileusis: Etiology, Prevention, and Treatment. <i>Journal of Refractive Surgery</i> , 2001 , 17, 350-379 | 3.3 | 170 |

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| 237 | 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 |
| 236 | The corneal epithelial basement membrane: structure, function, and disease 2013 , 54, 6390-400 | | 163 |
| 235 | LASIK: management of common complications. Laser in situ keratomileusis. <i>Cornea</i> , 1998 , 17, 459-67 | 3.1 | 158 |
| 234 | 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 |
| 233 | The corneal fibrosis response to epithelial-stromal injury. <i>Experimental Eye Research</i> , 2016 , 142, 110-8 | 3.7 | 153 |
| 232 | 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 |
| 231 | Changes in corneal topography after excimer laser photorefractive keratectomy for myopia. <i>Ophthalmology</i> , 1991 , 98, 1338-47 | 7.3 | 150 |
| 230 | 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 |
| 229 | Corneal myofibroblast biology and pathobiology: generation, persistence, and transparency. <i>Experimental Eye Research</i> , 2012 , 99, 78-88 | 3.7 | 146 |
| 228 | 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 |
| 227 | Laser in situ keratomileusis-induced (presumed) neurotrophic epitheliopathy. <i>Ophthalmology</i> , 2001 , 108, 1082-7 | 7.3 | 143 |
| 226 | Topographic changes in contact lens-induced corneal warpage. <i>Ophthalmology</i> , 1990 , 97, 734-44 | 7.3 | 143 |
| 225 | LASIK vs LASEK vs PRK: advantages and indications. <i>Seminars in Ophthalmology</i> , 2003 , 18, 2-10 | 2.4 | 137 |
| 224 | Advances in the analysis of corneal topography. <i>Survey of Ophthalmology</i> , 1991 , 35, 269-77 | 6.1 | 136 |
| 223 | Corneal Topographic and Pachymetric Screening of Keratorefractive Patients. <i>Journal of Refractive Surgery</i> , 2003 , 19, 24-29 | 3.3 | 131 |
| 222 | 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 |
| 221 | 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 |
| 220 | Laser in situ keratomileusis-induced neurotrophic epitheliopathy. <i>American Journal of Ophthalmology</i> , 2001 , 132, 405-6 | 4.9 | 117 |

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| 219 | 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 |
| 218 | Apoptosis in the cornea: further characterization of Fas/Fas ligand system. <i>Experimental Eye Research</i> , 1997 , 65, 575-89 | 3.7 | 115 |
| 217 | Corneal cells: chatty in development, homeostasis, wound healing, and disease. <i>American Journal of Ophthalmology</i> , 2003 , 136, 530-6 | 4.9 | 115 |
| 216 | 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 |
| 215 | 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 |
| 214 | Fuchs?? Dystrophy. <i>Cornea</i> , 1988 , 7, 2??18 | 3.1 | 107 |
| 213 | Unilateral keratoconus. Incidence and quantitative topographic analysis. <i>Ophthalmology</i> , 1997 , 104, 1409-13 | 7.3 | 105 |
| 212 | Bowman's layer structure and function: critical or dispensable to corneal function? A hypothesis. <i>Cornea</i> , 2000 , 19, 417-20 | 3.1 | 97 |
| 211 | 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 |
| 210 | Incidence and prevention of epithelial growth within the interface after laser in situ keratomileusis. <i>Cornea</i> , 2000 , 19, 170-3 | 3.1 | 95 |
| 209 | Femtosecond laser in laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 1024-32 | 2.3 | 89 |
| 208 | Corneal myofibroblast generation from bone marrow-derived cells. <i>Experimental Eye Research</i> , 2010 , 91, 92-6 | 3.7 | 84 |
| 207 | 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 |
| 206 | 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 |
| 205 | Mooren-type hepatitis C virus-associated corneal ulceration. <i>Ophthalmology</i> , 1994 , 101, 736-45 | 7.3 | 79 |
| 204 | Gene therapy in the cornea. <i>Progress in Retinal and Eye Research</i> , 2005 , 24, 537-59 | 20.5 | 78 |
| 203 | Mitomycin C: biological effects and use in refractive surgery. <i>Cornea</i> , 2012 , 31, 311-21 | 3.1 | 73 |
| 202 | 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 |

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| 201 | 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 |
| 200 | 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 |
| 199 | Long-term resolution of chronic dry eye symptoms and signs after topical cyclosporine treatment. <i>Ophthalmology</i> , 2007 , 114, 76-9 | 7.3 | 70 |
| 198 | Standardized color-coded maps for corneal topography. <i>Ophthalmology</i> , 1993 , 100, 1723-7 | 7.3 | 70 |
| 197 | Cellular and extracellular matrix modulation of corneal stromal opacity. <i>Experimental Eye Research</i> , 2014 , 129, 151-60 | 3.7 | 69 |
| 196 | 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 |
| 195 | Sporadic diffuse lamellar keratitis (DLK) after LASIK. <i>Cornea</i> , 2002 , 21, 560-3 | 3.1 | 66 |
| 194 | Effect of recipient-donor trephine size disparity on refractive error in keratoconus. <i>Ophthalmology</i> , 1989 , 96, 299-305 | 7.3 | 66 |
| 193 | Wavefront-guided ablation: evidence for efficacy compared to traditional ablation. <i>American Journal of Ophthalmology</i> , 2006 , 141, 360-368 | 4.9 | 65 |
| 192 | Corneal epithelium-specific mouse keratin K12 promoter. <i>Experimental Eye Research</i> , 1999 , 68, 295-301 | 3.7 | 65 |
| 191 | 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 |
| 190 | Corneal topographic alterations in normal contact lens wearers. <i>Ophthalmology</i> , 1993 , 100, 128-34 | 7.3 | 64 |
| 189 | Accuracy and precision of the corneal analysis system and the topographic modeling system. <i>Cornea</i> , 1992 , 11, 28-35 | 3.1 | 64 |
| 188 | Corneal topographic and pachymetric screening of keratorefractive patients. <i>Journal of Refractive Surgery</i> , 2003 , 19, 24-9 | 3.3 | 63 |
| 187 | Corneal myofibroblast viability: opposing effects of IL-1 and TGF beta1. <i>Experimental Eye Research</i> , 2009 , 89, 152-8 | 3.7 | 62 |
| 186 | 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 |
| 185 | Role of apoptosis in wound healing in the cornea. <i>Cornea</i> , 2000 , 19, S7-12 | 3.1 | 60 |
| 184 | Transmission electron microscopy analysis of epithelial basement membrane repair in rabbit corneas with haze 2013 , 54, 4026-33 | | 58 |

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| 183 | Dry Eye and Corneal Sensitivity After High Myopic LASIK. <i>Journal of Refractive Surgery</i> , 2007 , 23, 338-342 | 3.3 | 58 |
| 182 | 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 |
| 181 | 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 |
| 180 | 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 |
| 179 | The Corneal Basement Membranes and Stromal Fibrosis 2018 , 59, 4044-4053 | | 53 |
| 178 | Flap lift for LASIK retreatment in eyes with myopia. <i>Ophthalmology</i> , 2004 , 111, 1362-7 | 7.3 | 52 |
| 177 | Lymphedema-distichiasis syndrome and FOXC2 gene mutation. <i>American Journal of Ophthalmology</i> , 2002 , 134, 592-6 | 4.9 | 52 |
| 176 | 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 |
| 175 | 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 |
| 174 | Corneal preservation. <i>Survey of Ophthalmology</i> , 1989 , 33, 237-59 | 6.1 | 51 |
| 173 | An adjustable single running suture technique to reduce postkeratoplasty astigmatism. A preliminary report. <i>Ophthalmology</i> , 1990 , 97, 934-8 | 7.3 | 51 |
| 172 | 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 |
| 171 | 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 |
| 170 | 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 |
| 169 | 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 |
| 168 | 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 |
| 167 | Corneal stroma PDGF blockade and myofibroblast development. <i>Experimental Eye Research</i> , 2009 , 88, 960-5 | 3.7 | 46 |
| 166 | Epithelial Growth Within the Lamellar Interface After Laser In Situ Keratomileusis (LASIK). <i>Cornea</i> , 1997 , 16, 300-305 | 3.1 | 46 |

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| 165 | 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 |
| 164 | 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 |
| 163 | Ultrastructure of the posterior corneal stroma. <i>Ophthalmology</i> , 2015 , 122, 693-9 | 7.3 | 44 |
| 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 | Pupil Size in Refractive Surgery Candidates. <i>Journal of Refractive Surgery</i> , 2004 , 20, 337-342 | 3.3 | 43 |
| 160 | Peripheral sterile corneal ring infiltrate after riboflavin-UVA collagen cross-linking in keratoconus. <i>Cornea</i> , 2012 , 31, 702-5 | 3.1 | 42 |
| 159 | Topical interleukin-1 receptor antagonist inhibits inflammatory cell infiltration into the cornea. <i>Experimental Eye Research</i> , 2008 , 86, 753-7 | 3.7 | 42 |
| 158 | Computerized corneal topography and its importance to wavefront technology. <i>Cornea</i> , 2001 , 20, 441-54 | 3.1 | 42 |
| 157 | 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 |
| 156 | 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 |
| 155 | Corneal molecular and cellular biology update for the refractive surgeon. <i>Journal of Refractive Surgery</i> , 2009 , 25, 459-66 | 3.3 | 41 |
| 154 | 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 |
| 153 | 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 |
| 152 | Hyperopic laser in situ keratomileusis: primary and secondary treatments are safe and effective. <i>Cornea</i> , 2001 , 20, 388-93 | 3.1 | 40 |
| 151 | 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 |
| 150 | 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 |
| 149 | Interferon treatment of Mooren's ulcers associated with hepatitis C. <i>American Journal of Ophthalmology</i> , 1995 , 119, 365-6 | 4.9 | 38 |
| 148 | Wavefront Analysis in Normal Refractive Surgery Candidates. <i>Journal of Refractive Surgery</i> , 2005 , 21, 332-338 | 3.3 | 38 |

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| 147 | 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 |
| 146 | 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 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | Mooren's corneal ulcers and hepatitis C virus infection. <i>New England Journal of Medicine</i> , 1993 , 329, 62 | 59.2 | 35 |
| 141 | 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 |
| 140 | Screening of refractive surgery candidates for LASIK and PRK. <i>Cornea</i> , 2014 , 33, 1051-5 | 3.1 | 34 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | Cellular effects after laser in situ keratomileusis flap formation with femtosecond lasers: a review. <i>Cornea</i> , 2012 , 31, 198-205 | 3.1 | 33 |
| 135 | Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 1999 , 68, 583-90 | 3.7 | 33 |
| 134 | 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 |
| 133 | Epidermal growth factor messenger RNA production in human lacrimal gland. <i>Cornea</i> , 1991 , 10, 519-24 | 3.1 | 32 |
| 132 | Lacrimal gland epidermal growth factor production and the ocular surface. <i>American Journal of Ophthalmology</i> , 1991 , 111, 763-5 | 4.9 | 32 |
| 131 | Femtosecond Laser-Assisted LASIK Flap Complications. <i>Journal of Refractive Surgery</i> , 2016 , 32, 52-9 | 3.3 | 32 |
| 130 | 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 |

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| 129 | 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 |
| 128 | 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 |
| 127 | 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 |
| 126 | Loss of alpha3(IV) collagen expression associated with corneal keratocyte activation. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 627-35 | | 29 |
| 125 | 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 |
| 124 | Corneal wound healing. <i>Experimental Eye Research</i> , 2020 , 197, 108089 | 3.7 | 28 |
| 123 | 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 |
| 122 | Evaluating the reproducibility of topography systems on spherical surfaces. <i>JAMA Ophthalmology</i> , 1993 , 111, 259-62 | | 28 |
| 121 | Indications for Excimer Laser Surface Ablation. <i>Journal of Refractive Surgery</i> , 2005 , 21, 734-741 | 3.3 | 28 |
| 120 | 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 |
| 119 | Monocyte development inhibitor PRM-151 decreases corneal myofibroblast generation in rabbits. <i>Experimental Eye Research</i> , 2011 , 93, 786-9 | 3.7 | 27 |
| 118 | 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 |
| 117 | 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 |
| 116 | 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 |
| 115 | Methods of Analysis of Corneal Topography. <i>Journal of Refractive Surgery</i> , 1989 , 5, 368-371 | 3.3 | 26 |
| 114 | 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 |
| 113 | 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 |
| 112 | Endothelial function and aqueous humor flow rate in patients with Fuchs' dystrophy. <i>American Journal of Ophthalmology</i> , 1988 , 106, 270-8 | 4.9 | 25 |

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| 111 | 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 |
| 110 | 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 |
| 109 | IL-1 and TGF- β Modulation of Epithelial Basement Membrane Components Perlecan and Nidogen Production by Corneal Stromal Cells 2018 , 59, 5589-5598 | | 24 |
| 108 | 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 |
| 107 | Neodymium: YAG laser damage threshold. A comparison of injection-molded and lathe-cut polymethylmethacrylate intraocular lenses. <i>Ophthalmology</i> , 1987 , 94, 7-11 | 7.3 | 23 |
| 106 | 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 |
| 105 | Bowman's layer in the cornea- structure and function and regeneration. <i>Experimental Eye Research</i> , 2020 , 195, 108033 | 3.7 | 22 |
| 104 | Fibrocytes, Wound Healing, and Corneal Fibrosis 2020 , 61, 28 | | 22 |
| 103 | Phototherapeutic Keratectomy: Science and Art. <i>Journal of Refractive Surgery</i> , 2017 , 33, 203-210 | 3.3 | 22 |
| 102 | Early keratocyte apoptosis after epithelial scrape injury in the human cornea. <i>Experimental Eye Research</i> , 2009 , 89, 597-9 | 3.7 | 22 |
| 101 | Corneal wound healing relevance to wavefront guided laser treatments. <i>Ophthalmology Clinics of North America</i> , 2004 , 17, 225-31, vii | | 22 |
| 100 | Early pellucid marginal corneal degeneration: case reports of two refractive surgery candidates. <i>Cornea</i> , 2002 , 21, 114-7 | 3.1 | 22 |
| 99 | Flap relift for retreatment after femtosecond laser-assisted LASIK. <i>Journal of Refractive Surgery</i> , 2012 , 28, 482-7 | 3.3 | 22 |
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