James V Jester

List of Publications by Year
in descending order

210 papers	11,814 citations	30551 56 h-index	46524 93 g-index
211 all docs	211 docs citations	211 times ranked	9415 citing authors

#	Article	IF	Citations
1	Expression of Acyl-CoA wax-alcohol acyltransferase 2 (AWAT2) by human and rabbit meibomian glands and meibocytes. Ocular Surface, 2022, 23, 60-70.	2.2	7
2	Ascorbic acid specifically reduces the misclassification of nonirritating reactive chemicals in the OptiSafeâ„¢ macromolecular eye irritation test. Toxicology in Vitro, 2022, 80, 105313.	1.1	2
3	Femtosecond Laser Trabeculotomy in Perfused Human Cadaver Anterior Segments: A Novel, Noninvasive Approach to Glaucoma Treatment. Translational Vision Science and Technology, 2022, 11, 28.	1.1	2
4	Immuno Tomography (IT) and Imaging Mass Cytometry (IMC) for constructing spatially resolved, multiplexed 3D IMC data sets. Ocular Surface, 2022, 25, 49-54.	2.2	3
5	A novel transillumination meibography device for in vivo imaging of mouse meibomian glands. Ocular Surface, 2021, 19, 201-209.	2.2	2
6	Same-chemical comparison of nonanimal eye irritation test methods: Bovine corneal opacity and permeability, EpiOcularâ„¢, isolated chicken eye, ocular IrritectionÂ®, OptiSafeâ„¢, and short time exposure. Toxicology in Vitro, 2021, 72, 105070.	1.1	5
7	Intraocular Pressure Reduction by Femtosecond Laser Created Trabecular Channels in Perfused Human Anterior Segments. Translational Vision Science and Technology, 2021, 10, 22.	1.1	5
8	Modeling the antioxidant properties of the eye reduces the false-positive rate of a nonanimal eye irritation test (OptiSafe). Toxicology in Vitro, 2021, 76, 105208.	1.1	3
9	Response to Letter to Editor â€œComments on â€˜Cell regulation of collagen fibril macrostructure during corneal morphogenesisâ€™ by Koudouna et al.â€• Acta Biomaterialia, 2021, 136, 594-595.	4.1	0
10	Nonlinear optical crosslinking (NLO CXL) for correcting refractive errors. Experimental Eye Research, 2020, 199, 108199.	1.2	5
11	Origin and Lineage Plasticity of Endogenous Lacrimal Gland Epithelial Stem/Progenitor Cells. IScience, 2020, 23, 101230.	1.9	20
12	Recapitulation of normal collagen architecture in embryonic wounded corneas. Scientific Reports, 2020, 10, 13815.	1.6	9
13	Enhanced Transepithelial Riboflavin Delivery Using Femtosecond Laser-Machined Epithelial Microchannels. Translational Vision Science and Technology, 2020, 9, 1.	1.1	6
14	Epithelial Migration and Non-adhesive Periderm Are Required for Digit Separation during Mammalian Development. Developmental Cell, 2020, 52, 764-778.e4.	3.1	17
15	Stromal Collagen Arrangement Correlates with Stiffness of the Canine Cornea. Bioengineering, 2020, 7, 4.	1.6	9
16	Eicosapentaenoic acid (EPA) activates PPARÎ³ signaling leading to cell cycle exit, lipid accumulation, and autophagy in human meibomian gland epithelial cells (hMGEC). Ocular Surface, 2020, 18, 427-437.	2.2	26
17	An in vitro depth of injury prediction model for a histopathologic classification of EPA and GHS eye irritants. Toxicology in Vitro, 2019, 61, 104628.	1.1	11
18	Cell-independent matrix configuration in early corneal development. Experimental Eye Research, 2019, 187, 107772.	1.2	7

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19	Transcriptome analysis after PPARÎ³ activation in human meibomian gland epithelial cells (hMGEC). Ocular Surface, 2019, 17, 809-816.	2.2	14
20	Nonlinear Optical Corneal Crosslinking, Mechanical Stiffening, and Corneal Flattening Using Amplified Femtosecond Pulses. Translational Vision Science and Technology, 2019, 8, 35.	1.1	13
21	Sensory nerve supports epithelial stem cell function in healing of corneal epithelium in mice: the role of trigeminal nerve transient receptor potential vanilloid 4. Laboratory Investigation, 2019, 99, 210-230.	1.7	30
22	Characterization of expressed human meibum using hyperspectral stimulated Raman scattering microscopy. Ocular Surface, 2019, 17, 151-159.	2.2	12
23	Evolution of the vertebrate corneal stroma. Progress in Retinal and Eye Research, 2018, 64, 65-76.	7.3	27
24	Nitrogen mustard-induced corneal injury involves the sphingomyelin-ceramide pathway. Ocular Surface, 2018, 16, 154-162.	2.2	18
25	Fast Computation of Tunnels in Corneal Collagen Structure. , 2018, , .		3
26	Cell regulation of collagen fibril macrostructure during corneal morphogenesis. Acta Biomaterialia, 2018, 79, 96-112.	4.1	12
27	Axial mechanical and structural characterization of keratoconus corneas. Experimental Eye Research, 2018, 175, 14-19.	1.2	21
28	PPARÎ³ regulates meibocyte differentiation and lipid synthesis of cultured human meibomian gland epithelial cells (hMGEC). Ocular Surface, 2018, 16, 463-469.	2.2	48
29	Light transmission/absorption characteristics of the meibomian gland. Ocular Surface, 2018, 16, 448-453.	2.2	9
30	Collagen fiber crimping following in vivo UVA-induced corneal crosslinking. Experimental Eye Research, 2018, 177, 173-180.	1.2	19
31	Meibocyte differentiation and renewal: Insights into novel mechanisms of meibomian gland dysfunction (MGD). Experimental Eye Research, 2017, 163, 37-45.	1.2	63
32	A machine learning framework to analyze hyperspectral stimulated Raman scattering microscopy images of expressed human meibum. Journal of Raman Spectroscopy, 2017, 48, 803-812.	1.2	25
33	Ocular surface alkali injury damages meibomian glands in mice. Ocular Surface, 2017, 15, 713-722.	2.2	11
34	Corneal haze phenotype in Aldh3a1 -null mice: InÂvivo confocal microscopy and tissue imaging mass spectrometry. Chemico-Biological Interactions, 2017, 276, 9-14.	1.7	17
35	Ocular surface inflammation impairs structure and function of meibomian gland. Experimental Eye Research, 2017, 163, 78-84.	1.2	59
36	Template Curvature Influences Cell Alignment to Create Improved Human Corneal Tissue Equivalents. Advanced Biology, 2017, 1, e1700135.	3.0	34

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37	Special issue on meibomian glands. Experimental Eye Research, 2017, 163, 1.	1.2	0
38	Custom built nonlinear optical crosslinking (NLO CXL) device capable of producing mechanical stiffening in ex vivo rabbit corneas. Biomedical Optics Express, 2017, 8, 4788.	1.5	12
39	Measurement of an Elasticity Map in the Human Cornea. , 2016, 57, 3282.		37
40	Confocal Microscopic Analysis of a Rabbit Eye Model of High-Incidence Recurrent Herpes Stromal Keratitis. Cornea, 2016, 35, 81-88.	0.9	12
41	Nonlinear optical corneal collagen crosslinking of ex vivo rabbit eyes. Journal of Cataract and Refractive Surgery, 2016, 42, 1660-1665.	0.7	16
42	Frontiers of Ocular Surface Regenerative Medicine. Ocular Surface, 2016, 14, 81.	2.2	1
43	PPARÎ³ Regulates Mouse Meibocyte Differentiation and Lipid Synthesis. Ocular Surface, 2016, 14, 484-494.	2.2	70
44	Renewal of the Holocrine Meibomian Glands by Label-Retaining, Unipotent Epithelial Progenitors. Stem Cell Reports, 2016, 7, 399-410.	2.3	39
45	Synergistic Cysteamine Delivery Nanowafer as an Efficacious Treatment Modality for Corneal Cystinosis. Molecular Pharmaceutics, 2016, 13, 3468-3477.	2.3	29
46	Robust segmentation of corneal fibers from noisy images. , 2016, , .		1
47	ALDH3A1 Plays a Functional Role in Maintenance of Corneal Epithelial Homeostasis. PLoS ONE, 2016, 11, e0146433.	1.1	20
48	Transcriptome analysis of aging mouse meibomian glands. Molecular Vision, 2016, 22, 518-27.	1.1	14
49	A novel, long-lived, and highly engraftable immunodeficient mouse model of mucopolysaccharidosis type I. Molecular Therapy - Methods and Clinical Development, 2015, 2, 14068.	1.8	14
50	Meibomian gland dysfunction: hyperkeratinization or atrophy?. BMC Ophthalmology, 2015, 15, 156.	0.6	67
51	A Comparative Study of Vertebrate Corneal Structure: The Evolution of a Refractive Lens. , 2015, 56, 2764.		40
52	Immunofluorescence Tomography of Mouse Ocular Surface Epithelial Stem Cells and Their Niche Microenvironment. , 2015, 56, 7338.		29
53	From nano to macro: Studying the hierarchical structure of the corneal extracellular matrix. Experimental Eye Research, 2015, 133, 81-99.	1.2	58
54	Characterization of Quiescent Epithelial Cells in Mouse Meibomian Glands and Hair Follicle/Sebaceous Glands by Immunofluorescence Tomography. Journal of Investigative Dermatology, 2015, 135, 1175-1177.	0.3	16

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55	A microfabricated, optically accessible device to study the effects of mechanical cues on collagen fiber organization. Biomedical Microdevices, 2014, 16, 255-267.	1.4	5
56	Elastic modulus and collagen organization of the rabbit cornea: Epithelium to endothelium. Acta Biomaterialia, 2014, 10, 785-791.	4.1	96
57	TRPA1 is required for TGF-Î² signaling and its loss blocks inflammatory fibrosis in mouse corneal stroma. Laboratory Investigation, 2014, 94, 1030-1041.	1.7	62
58	The Acetylcholine Signaling Network of Corneal Epithelium and Its Role in Regulation of Random and Directional Migration of Corneal Epithelial Cells. Investigative Ophthalmology and Visual Science, 2014, 55, 6921-6933.	3.3	23
59	Effect of Desiccating Stress on Mouse Meibomian Gland Function. Ocular Surface, 2014, 12, 59-68.	2.2	57
60	Measurement of Corneal Elasticity with an Acoustic Radiation Force Elasticity Microscope. Ultrasound in Medicine and Biology, 2014, 40, 1671-1679.	0.7	30
61	Lessons in Corneal Structure and Mechanics to Guide the Corneal Surgeon. Ophthalmology, 2013, 120, 1715-1717.	2.5	20
62	Ocular aldehyde dehydrogenases: Protection against ultraviolet damage and maintenance of transparency for vision. Progress in Retinal and Eye Research, 2013, 33, 28-39.	7.3	60
63	Nonlinear optical collagen cross-linking and mechanical stiffening: a possible photodynamic therapeutic approach to treating corneal ectasia. Journal of Biomedical Optics, 2013, 18, 038003.	1.4	17
64	Three-Dimensional Distribution of Transverse Collagen Fibers in the Anterior Human Corneal Stroma. , 2013, 54, 7293.		124
65	Lumican Binds ALK5 to Promote Epithelium Wound Healing. PLoS ONE, 2013, 8, e82730.	1.1	53
66	Absence of ductal hyper-keratinization in Mouse age-related meibomian gland dysfunction (ARMGD). Aging, 2013, 5, 825-834.	1.4	61
67	Substratum Topography Modulates Corneal Fibroblast to Myofibroblast Transformation. , 2012, 53, 811.		69
68	Wakayama Symposium: Peroxisome Proliferator-Activated Receptor-Gamma (PPARÎ³) and Meibomian Gland Dysfunction. Ocular Surface, 2012, 10, 224-229.	2.2	23
69	A Novel Immunofluorescent Computed Tomography (ICT) Method to Localise and Quantify Multiple Antigens in Large Tissue Volumes at High Resolution. PLoS ONE, 2012, 7, e53245.	1.1	31
70	Myofibroblast Differentiation Modulates Keratocyte Crystallin Protein Expression, Concentration, and Cellular Light Scattering. , 2012, 53, 770.		72
71	Quiescent keratocytes fail to repair MMC induced DNA damage leading to the long-term inhibition of myofibroblast differentiation and wound healing. Molecular Vision, 2012, 18, 1828-39.	1.1	24
72	Reducing peak corneal haze after photorefractive keratectomy in rabbits: Prednisolone acetate 1.00% versus cyclosporine A 0.05%. Journal of Cataract and Refractive Surgery, 2011, 37, 937-944.	0.7	34

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73	Inhibition of TGFBIp Expression by Lithium: Implications forTGFBI-Linked Corneal Dystrophy Therapy. , 2011, 52, 3293.		37
74	Nonlinear Optical Macroscopic Assessment of 3-D Corneal Collagen Organization and Axial Biomechanics. , 2011, 52, 8818.		179
75	Effects of Age and Dysfunction on Human Meibomian Glands. JAMA Ophthalmology, 2011, 129, 462.	2.6	130
76	Volumetric Reconstruction of the Mouse Meibomian Gland Using Highâ€Resolution Nonlinear Optical Imaging. Anatomical Record, 2011, 294, 185-192.	0.8	28
77	Picosecond spectral coherent anti-Stokes Raman scattering imaging with principal component analysis of meibomian glands. Journal of Biomedical Optics, 2011, 16, 021104.	1.4	75
78	Quantitative Assessment of UVA-Riboflavin Corneal Cross-Linking Using Nonlinear Optical Microscopy. , 2011, 52, 4231.		45
79	Multiphoton Approaches to Studying Ocular Structure and Biomechanics. , 2011, , .		0
80	Pre-corneal tear film thickness in humans measured with a novel technique. Molecular Vision, 2011, 17, 756-67.	1.1	26
81	Quantitative in vivo and ex vivo confocal microscopy analysis of corneal cystine crystals in the Ctns knockout mouse. Molecular Vision, 2011, 17, 2212-20.	1.1	14
82	A Novel HLA (HLA-A*0201) Transgenic Rabbit Model for Preclinical Evaluation of Human CD8+T Cell Epitope-Based Vaccines against Ocular Herpes. Journal of Immunology, 2010, 184, 2561-2571.	0.4	67
83	Castroviejo Lecture 2009: 40 Years in Search of the Perfect Contact Lens. Cornea, 2010, 29, 1075-1085.	0.9	41
84	Evaluating Corneal Collagen Organization Using High-Resolution Nonlinear Optical Macroscopy. Eye and Contact Lens, 2010, 36, 260-264.	0.8	54
85	High resolution macroscopy (HRMac) of the eye using nonlinear optical imaging. , 2010, , .		3
86	Genetic basis of corneal diseases and the role of keratocytes in corneal transparency â€“ a review. Clinical and Experimental Ophthalmology, 2010, 38, 23-33.	1.3	5
87	Cell Therapy of Congenital Corneal Diseases with Umbilical Mesenchymal Stem Cells: Lumican Null Mice. PLoS ONE, 2010, 5, e10707.	1.1	131
88	Nanoscale Topographyâ€“Induced Modulation of Fundamental Cell Behaviors of Rabbit Corneal Keratocytes, Fibroblasts, and Myofibroblasts. , 2010, 51, 1373.		90
89	Aberrant expression of a Î²-catenin gain-of-function mutant induces hyperplastic transformation in the mouse cornea. Journal of Cell Science, 2010, 123, 1285-1294.	1.2	21
90	Non-invasive in vivo measurement of the tear film using spatial autocorrelation in a live mammal model. Biomedical Optics Express, 2010, 1, 1127.	1.5	6

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91	High resolution three-dimensional reconstruction of the collagenous matrix of the human optic nerve head. Brain Research Bulletin, 2010, 81, 339-348.	1.4	71
92	Corneal aldehyde dehydrogenases: Multiple functions and novel nuclear localization. Brain Research Bulletin, 2010, 81, 211-218.	1.4	46
93	In vivo non-linear optical (NLO) imaging in live rabbit eyes using the Heidelberg Two-Photon Laser Ophthalmoscope. Experimental Eye Research, 2010, 91, 308-314.	1.2	20
94	Measuring depth of injury (DOI) in an isolated rabbit eye irritation test (IRE) using biomarkers of cell death and viability. Toxicology in Vitro, 2010, 24, 597-604.	1.1	19
95	PLGA micro/nanosphere synthesis by droplet microfluidic solvent evaporation and extraction approaches. Lab on A Chip, 2010, 10, 1820.	3.1	139
96	The development of meibomian glands in mice. Molecular Vision, 2010, 16, 1132-40.	1.1	48
97	IGF-II and collagen expression by keratocytes during postnatal development. Experimental Eye Research, 2009, 89, 218-223.	1.2	9
98	Age-related changes in the meibomian gland. Experimental Eye Research, 2009, 89, 1021-1027.	1.2	98
99	Assessing ocular irritation potential using a modifiedex vivorabbit eye test. Cutaneous and Ocular Toxicology, 2009, 28, 32-36.	0.5	4
100	Second Harmonic Generation for Visualizing 3-Dimensional Structure of Corneal Collagen Lamellae. Cornea, 2009, 28, S46-S53.	0.9	21
101	Successful treatment of the murine model of cystinosis using bone marrow cell transplantation. Blood, 2009, 114, 2542-2552.	0.6	104
102	Corneal crystallins and the development of cellular transparency. Seminars in Cell and Developmental Biology, 2008, 19, 82-93.	2.3	153
103	Corneal response to femtosecond laser photodisruption in the rabbit. Experimental Eye Research, 2008, 86, 835-843.	1.2	21
104	Extracellular matrix metalloproteinase inducer/CD147 promotes myofibroblast differentiation by inducing Î±â€smooth muscle actin expression and collagen gel contraction: implications in tissue remodeling. FASEB Journal, 2008, 22, 1144-1154.	0.2	83
105	Detection of Corneal Fibrosis by Imaging Second Harmonicâ€“Generated Signals in Rabbit Corneas Treated with Mitomycin C after Excimer Laser Surface Ablation. , 2008, 49, 4377.		25
106	Functional Foxp3 + CD4 + CD25 (Bright+) â€œNaturalâ€•Regulatory T Cells Are Abundant in Rabbit Conjunctiva and Suppress Virus-Specific CD4 + and CD8 + Effector T Cells during Ocular Herpes Infection. Journal of Virology, 2007, 81, 7647-7661.	1.5	41
107	Second-Harmonic Imaging Microscopy of Normal Human and Keratoconus Cornea. , 2007, 48, 1087.		253
108	Application of second harmonic imaging microscopy to assess structural changes in optic nerve head structure ex vivo. Journal of Biomedical Optics, 2007, 12, 024029.	1.4	75

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109	The Role of Contact Lens Type, Oxygen Transmission, and Care-Related Solutions in Mediating Epithelial Homeostasis and Pseudomonas Binding to Corneal Cells: An Overview. Eye and Contact Lens, 2007, 33, 394-398.	0.8	24
110	Postnatal Corneal Transparency, Keratocyte Cell Cycle Exit and Expression of ALDH1A1. , 2007, 48, 4061.		27
111	Local thermal injury elicits immediate dynamic behavioural responses by corneal Langerhans cells. Immunology, 2007, 120, 556-572.	2.0	36
112	Current concepts: Contact lens related Pseudomonas keratitis. Contact Lens and Anterior Eye, 2007, 30, 94-107.	0.8	42
113	Corneal wound healing following refractive surgery. , 2007, , 19-32.		0
114	Refractive surgery revealed through in vivo confocal microscopy. , 2007, , 33-51.		0
115	Targeted expression of a lumican transgene rescues corneal deficiencies in lumican-null mice. Molecular Vision, 2007, 13, 2012-8.	1.1	11
116	Noninvasive corneal stromal collagen imaging using two-photon-generated second-harmonic signals. Journal of Cataract and Refractive Surgery, 2006, 32, 1784-1791.	0.7	137
117	Bcl-2 and Bax Regulation of Corneal Homeostasis in Genetically Altered Mice. Eye and Contact Lens, 2006, 32, 3-7.	0.8	13
118	Prolonged Hypoxia Induces Lipid Raft Formation and Increases Pseudomonas Internalization in vivo After Contact Lens Wear and Lid Closure. Eye and Contact Lens, 2006, 32, 114-120.	0.8	29
119	Behavioral Responses of Epidermal Langerhans Cells In Situ to Local Pathological Stimuli. Journal of Investigative Dermatology, 2006, 126, 787-796.	0.3	124
120	Antioxidant function of corneal ALDH3A1 in cultured stromal fibroblasts. Free Radical Biology and Medicine, 2006, 41, 1459-1469.	1.3	61
121	Extent of Corneal Injury as a Biomarker for Hazard Assessment and the Development of Alternative Models to the Draize Rabbit Eye Test. Cutaneous and Ocular Toxicology, 2006, 25, 41-54.	0.5	44
122	Herpes simplex virus type 1 ICP0 localizes in the stromal layer of infected rabbit corneas and resides predominantly in the cytoplasm and/or perinuclear region of rabbit keratocytes. Journal of General Virology, 2006, 87, 2817-2825.	1.3	12
123	Regulation ofPseudomonas aeruginosaInternalization after Contact Lens Wear In Vivo and in Serum-Free Culture by Ocular Surface Cells. , 2006, 47, 3430.		20
124	An Eye on Repair. , 2006, , 118-138.		2
125	Characterization of Growth and Differentiation in a Telomerase-Immortalized Human Corneal Epithelial Cell Line. , 2005, 46, 470.		248
126	Internalization ofPseudomonas aeruginosaIs Mediated by Lipid Rafts in Contact Lensâ€“Wearing Rabbit and Cultured Human Corneal Epithelial Cells. , 2005, 46, 1348.		61

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127	Corneal Keratocytes: Phenotypic and Species Differences in Abundant Protein Expression and In Vitro Light-Scattering. , 2005, 46, 2369.		106
128	Keratocan, a Cornea-specific Keratan Sulfate Proteoglycan, Is Regulatedby Lumican. Journal of Biological Chemistry, 2005, 280, 25541-25547.	1.6	128
129	Quantitative assessment of ophthalmic viscosurgical device retention using in vivo confocal microscopy. Journal of Cataract and Refractive Surgery, 2005, 31, 2363-2368.	0.7	17
130	Four-Dimensional Multiphoton Confocal Microscopy: The New Frontier in Cellular Imaging. Ocular Surface, 2004, 2, 10-20.	2.2	2
131	Evaluation of the Corneal Effects of Topical Ophthalmic Fluoroquinolones Using In Vivo Confocal Microscopy. Eye and Contact Lens, 2004, 30, 90-94.	0.8	71
132	Pseudomonas aeruginosa Corneal Binding After 24-Hour Orthokeratology Lens Wear. Eye and Contact Lens, 2004, 30, 173-178.	0.8	26
133	Dynamic threeâ€dimensional visualization of collagen matrix remodeling and cytoskeletal organization in living corneal fibroblasts. Scanning, 2004, 26, 1-10.	0.7	53
134	Refractive Surgical Wound Healing Mechanisms Revisited. , 2004, , 263-271.		0
135	A role for MEK kinase 1 in TGF-Â/activin-induced epithelium movement and embryonic eyelid closure. EMBO Journal, 2003, 22, 4443-4454.	3.5	161
136	In vivo fluorescent labeling of corneal wound healing fibroblasts. Experimental Eye Research, 2003, 76, 361-371.	1.2	19
137	Modulation of cultured corneal keratocyte phenotype by growth factors/cytokines control in vitro contractility and extracellular matrix contraction. Experimental Eye Research, 2003, 77, 581-592.	1.2	207
138	Effects of Eyelid Closure and Disposable and Silicone Hydrogel Extended Contact Lens Wear on Rabbit Corneal Epithelial Proliferation. , 2003, 44, 1843.		41
139	Direct correlation of collagen matrix deformation with focal adhesion dynamics in living corneal fibroblasts. Journal of Cell Science, 2003, 116, 1481-1491.	1.2	77
140	Role of Oxygen in Corneal Epithelial Homeostasis During Extended Contact Lens Wear. Eye and Contact Lens, 2003, 29, S2-S6.	0.8	22
141	Can Postlens Tear Thickness be Measured Using Three-Dimensional In Vivo Confocal Microscopy?. Eye and Contact Lens, 2003, 29, S110-S114.	0.8	3
142	Effects of Contact Lens Care Solutions on Surface Exfoliation and Bacterial Binding to Corneal Epithelial Cells1. Eye and Contact Lens, 2003, 29, 27-30.	0.8	20
143	Effects of Daily and Overnight Wear of Hyper-Oxygen Transmissible Rigid and Silicone Hydrogel Lenses on Bacterial Binding to the Corneal Epithelium: 13-Month Clinical Trials. Eye and Contact Lens, 2003, 29, S14-S16.	0.8	28
144	Recovery Time of Corneal Epithelial Proliferation in the Rabbit Following Rigid Gas-Permeable Extended Contact-Lens Wear. Eye and Contact Lens, 2003, 29, 61-64.	0.8	13

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145	Hair follicles serve as local reservoirs of skin mast cell precursors. Blood, 2003, 102, 1654-1660.	0.6	81
146	Myofibroblast Differentiation of Normal Human Keratocytes and hTERT, Extended-Life Human Corneal Fibroblasts. , 2003, 44, 1850.		126
147	Modulation of Corneal Fibroblast Contractility within Fibrillar Collagen Matrices. , 2003, 44, 4724.		39
148	Neonatal Corneal Stromal Development in the Normal and Lumican-Deficient Mouse. , 2003, 44, 548.		77
149	Vertical Movement of Epithelial Basal Cells toward the Corneal Surface during Use of Extended-Wear Contact Lenses. , 2003, 44, 1056.		47
150	Matrix Metalloproteinase Gelatinase B (MMP-9) Coordinates and Effects Epithelial Regeneration. Journal of Biological Chemistry, 2002, 277, 2065-2072.	1.6	249
151	Effect of Eyelid Closure and Overnight Contact Lens Wear on Viability of Surface Epithelial Cells in Rabbit Cornea. Cornea, 2002, 21, 85-90.	0.9	45
152	TGFÎ² Induced Myofibroblast Differentiation of Rabbit Keratocytes Requires Synergistic TGFÎ², PDGF and Integrin Signaling. Experimental Eye Research, 2002, 75, 645-657.	1.2	183
153	Extent of Initial Corneal Injury as the Mechanistic Basis for Ocular Irritation: Key Findings and Recommendations for the Development of Alternative Assays. Regulatory Toxicology and Pharmacology, 2002, 36, 106-117.	1.3	72
154	In vivo confocal microscopy through-focusing to measure corneal flap thickness after laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2002, 28, 962-970.	0.7	60
155	Adaptive effects of 30-night wear of hyper-O2 transmissible contact lenses on bacterial binding and corneal epithelium. Ophthalmology, 2002, 109, 27-39.	2.5	125
156	Possible role of the vitamin E solubilizer in topical diclofenac on matrix metalloproteinase expression in corneal melting. Ophthalmology, 2002, 109, 343-350.	2.5	57
157	Effects of daily and overnight wear of a novel hyper oxygen-transmissible soft contact lens on bacterial binding and corneal epithelium. Ophthalmology, 2002, 109, 1957-1969.	2.5	107
158	Corneal epithelial homeostasis following daily and overnight contact lens wear. Contact Lens and Anterior Eye, 2002, 25, 11-21.	0.8	41
159	A prototype twoâ€detector confocal microscope for in vivo corneal imaging. Scanning, 2002, 24, 163-170.	0.7	6
160	Annexin V binding to rabbit corneal epithelial cells following overnight contact lens wear or eyelid closure. The CLAO Journal, 2002, 28, 48-54.	0.3	16
161	Stress Fiber Formation is Required for Matrix Reorganization in a Corneal Myofibroblast Cell Line. Experimental Eye Research, 2001, 72, 455-466.	1.2	19
162	Bcl-2 Expression in the Human Cornea. Experimental Eye Research, 2001, 73, 247-255.	1.2	29

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163	Corneal haze after photorefractive keratectomy using different epithelial removal techniques11The authors have no proprietary interest in any of the equipment mentioned in this article.. Ophthalmology, 2001, 108, 112-120.	2.5	48
164	Effects of rigid and soft contact lens daily wear on corneal epithelium, tear lactate dehydrogenase, and bacterial binding to exfoliated epithelial cells. Ophthalmology, 2001, 108, 1279-1288.	2.5	143
165	Measurement of corneal sublayer thickness and transparency in transgenic mice with altered corneal clarity using in vivo confocal microscopy. Vision Research, 2001, 41, 1283-1290.	0.7	33
166	Organization of Junctional Proteins in Proliferating Cat Corneal Endothelium During Wound Healing. Cornea, 2001, 20, 73-80.	0.9	17
167	Pathology of Ocular Irritation with Acetone, Cyclohexanol, Parafl uoroaniline, and Formaldehyde in the Rabbit Low-Volume Eye Test. Toxicologic Pathology, 2001, 29, 187-199.	0.9	24
168	Pathology of Ocular Irritation with Bleaching Agents in the Rabbit Low-Volume Eye Test. Toxicologic Pathology, 2001, 29, 308-319.	0.9	32
169	Specular Microscopy, Confocal Microscopy, and Ultrasound Biomicroscopy. Cornea, 2000, 19, 712-722.	0.9	79
170	Quantitative Characterization of Acid- and Alkali-Induced Corneal Injury in the Low-Volume Eye Test. Toxicologic Pathology, 2000, 28, 668-678.	0.9	17
171	A role for NF-Î¹Bâ€“dependent gene transactivation in sunburn. Journal of Clinical Investigation, 2000, 105, 1751-1759.	3.9	150
172	[14] Measurement of tissue thickness using confocal microscopy. Methods in Enzymology, 1999, 307, 230-245.	0.4	24
173	Quantitative Measurement of Acute Corneal Injury in Rabbits with Surfactants of Different Type and Irritancy. Toxicology and Applied Pharmacology, 1999, 158, 61-70.	1.3	22
174	Corneal stromal wound healing in refractive surgery: the role of myofibroblasts. Progress in Retinal and Eye Research, 1999, 18, 311-356.	7.3	404
175	Exertion of tractional force requires the coordinated up-regulation of cell contractility and adhesion. Cytoskeleton, 1999, 43, 23-34.	4.4	59
176	The application of in vivo confocal microscopy and tear LDH measurement in assessing corneal response to contact lens and contact lens solutions. Current Eye Research, 1999, 19, 171-181.	0.7	26
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