

# De-Quan Li

## List of Publications by Citations

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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.

92  
papers

6,944  
citations

44  
h-index

83  
g-index

92  
ext. papers

7,666  
ext. citations

4.7  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
92	Experimental dry eye stimulates production of inflammatory cytokines and MMP-9 and activates MAPK signaling pathways on the ocular surface. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4293-301		440
91	Suppression of transforming growth factor-beta isoforms, TGF-beta receptor type II, and myofibroblast differentiation in cultured human corneal and limbal fibroblasts by amniotic membrane matrix. <i>Journal of Cellular Physiology</i> , <b>1999</b> , 179, 325-35	7	348
90	Characterization of putative stem cell phenotype in human limbal epithelia. <i>Stem Cells</i> , <b>2004</b> , 22, 355-66	5.8	304
89	Corticosteroid and doxycycline suppress MMP-9 and inflammatory cytokine expression, MAPK activation in the corneal epithelium in experimental dry eye. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 526-35	3.7	298
88	Stimulation of matrix metalloproteinases by hyperosmolarity via a JNK pathway in human corneal epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4302-11		290
87	Three patterns of cytokine expression potentially involved in epithelial-fibroblast interactions of human ocular surface. <i>Journal of Cellular Physiology</i> , <b>1995</b> , 163, 61-79	7	275
86	JNK and ERK MAP kinases mediate induction of IL-1beta, TNF-alpha and IL-8 following hyperosmolar stress in human limbal epithelial cells. <i>Experimental Eye Research</i> , <b>2006</b> , 82, 588-96	3.7	265
85	ABCG2 transporter identifies a population of clonogenic human limbal epithelial cells. <i>Stem Cells</i> , <b>2005</b> , 23, 63-73	5.8	258
84	Hyperosmolar saline is a proinflammatory stress on the mouse ocular surface. <i>Eye and Contact Lens</i> , <b>2005</b> , 31, 186-93	3.2	242
83	Dry eye-induced conjunctival epithelial squamous metaplasia is modulated by interferon-gamma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2553-60		232
82	Matrix metalloproteinase-9 knockout confers resistance to corneal epithelial barrier disruption in experimental dry eye. <i>American Journal of Pathology</i> , <b>2005</b> , 166, 61-71	5.8	229
81	Regulation of MMP-9 production by human corneal epithelial cells. <i>Experimental Eye Research</i> , <b>2001</b> , 73, 449-59	3.7	207
80	Phenotypic characterization of human corneal epithelial cells expanded ex vivo from limbal explant and single cell cultures. <i>Experimental Eye Research</i> , <b>2004</b> , 79, 41-9	3.7	184
79	Apical corneal barrier disruption in experimental murine dry eye is abrogated by methylprednisolone and doxycycline. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 2847-56		141
78	Expression of Th-1 chemokines and chemokine receptors on the ocular surface of C57BL/6 mice: effects of desiccating stress. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2561-9		138
77	Desiccating stress stimulates expression of matrix metalloproteinases by the corneal epithelium. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 3293-302		138
76	Doxycycline inhibits TGF-beta1-induced MMP-9 via Smad and MAPK pathways in human corneal epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 840-8		119

75	Cell size correlates with phenotype and proliferative capacity in human corneal epithelial cells. <i>Stem Cells</i> , <b>2006</b> , 24, 368-75	5.8	102
74	Neurturin-deficient mice develop dry eye and keratoconjunctivitis sicca. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 4223-9		94
73	Short ragweed pollen triggers allergic inflammation through Toll-like receptor 4-dependent thymic stromal lymphopoietin/OX40 ligand/OX40 signaling pathways. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 128, 1318-1325.e2	11.5	92
72	Aqueous Tear Deficiency Increases Conjunctival Interferon- $\gamma$ Expression and Goblet Cell Loss <b>2015</b> , 56, 7545-50		84
71	Partial enrichment of a population of human limbal epithelial cells with putative stem cell properties based on collagen type IV adhesiveness. <i>Experimental Eye Research</i> , <b>2005</b> , 80, 581-90	3.7	83
70	Age-related T-cell cytokine profile parallels corneal disease severity in Sjogren's syndrome-like keratoconjunctivitis sicca in CD25KO mice. <i>Rheumatology</i> , <b>2010</b> , 49, 246-58	3.9	81
69	Gap junction protein connexin 43 serves as a negative marker for a stem cell-containing population of human limbal epithelial cells. <i>Stem Cells</i> , <b>2006</b> , 24, 1265-73	5.8	80
68	Comparison between serum-free and fibroblast-cocultured single-cell clonal culture systems: evidence showing that epithelial anti-apoptotic activity is present in 3T3 fibroblast-conditioned media. <i>Current Eye Research</i> , <b>1996</b> , 15, 973-84	2.9	79
67	Oxidative stress markers induced by hyperosmolarity in primary human corneal epithelial cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126561	3.7	76
66	TGF-beta1 stimulates production of gelatinase (MMP-9), collagenases (MMP-1, -13) and stromelysins (MMP-3, -10, -11) by human corneal epithelial cells. <i>Experimental Eye Research</i> , <b>2004</b> , 79, 263-74	3.7	75
65	Desiccating stress promotion of Th17 differentiation by ocular surface tissues through a dendritic cell-mediated pathway <b>2010</b> , 51, 3083-91		71
64	Nerve growth factor and its receptor TrkA serve as potential markers for human corneal epithelial progenitor cells. <i>Experimental Eye Research</i> , <b>2008</b> , 86, 34-40	3.7	71
63	Blueberry Component Pterostilbene Protects Corneal Epithelial Cells from Inflammation via Anti-oxidative Pathway. <i>Scientific Reports</i> , <b>2016</b> , 6, 19408	4.9	66
62	Differential regulation of keratinocyte growth factor and hepatocyte growth factor/scatter factor by different cytokines in human corneal and limbal fibroblasts. <i>Journal of Cellular Physiology</i> , <b>1997</b> , 172, 361-72	7	66
61	TLR-mediated induction of pro-allergic cytokine IL-33 in ocular mucosal epithelium. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2011</b> , 43, 1383-91	5.6	64
60	Hyperosmolarity-induced cornification of human corneal epithelial cells is regulated by JNK MAPK. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 539-49		64
59	NK cells promote Th-17 mediated corneal barrier disruption in dry eye. <i>PLoS ONE</i> , <b>2012</b> , 7, e36822	3.7	62
58	Expression and regulation of cornified envelope proteins in human corneal epithelium. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 1938-46		59

57	Suppressive effects of azithromycin on zymosan-induced production of proinflammatory mediators by human corneal epithelial cells <b>2010</b> , 51, 5623-9		58
56	Ocular surface disease and dacryoadenitis in aging C57BL/6 mice. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 631-43	5.8	56
55	Topical interferon-gamma neutralization prevents conjunctival goblet cell loss in experimental murine dry eye. <i>Experimental Eye Research</i> , <b>2014</b> , 118, 117-24	3.7	54
54	Human corneal epithelium-derived thymic stromal lymphopoietin links the innate and adaptive immune responses via TLRs and Th2 cytokines <b>2009</b> , 50, 2702-9		53
53	Patterned expression of neurotrophic factors and receptors in human limbal and corneal regions. <i>Molecular Vision</i> , <b>2007</b> , 13, 1934-41	2.3	52
52	Effects of L-carnitine, erythritol and betaine on pro-inflammatory markers in primary human corneal epithelial cells exposed to hyperosmotic stress. <i>Current Eye Research</i> , <b>2015</b> , 40, 657-67	2.9	49
51	Mitochondrial DNA oxidation induces imbalanced activity of NLRP3/NLRP6 inflammasomes by activation of caspase-8 and BRCC36 in dry eye. <i>Journal of Autoimmunity</i> , <b>2017</b> , 80, 65-76	15.5	48
50	Transcription factor TCF4 maintains the properties of human corneal epithelial stem cells. <i>Stem Cells</i> , <b>2012</b> , 30, 753-61	5.8	47
49	Differential expression and regulation of TGF-beta1, TGF-beta2, TGF-beta3, TGF-betaRI, TGF-betaRII and TGF-betaRIII in cultured human corneal, limbal, and conjunctival fibroblasts. <i>Current Eye Research</i> , <b>1999</b> , 19, 154-61	2.9	47
48	Differential Effects of Dexamethasone and Doxycycline on Inflammation and MMP Production in Murine Alkali-Burned Corneas Associated with Dry Eye. <i>Ocular Surface</i> , <b>2016</b> , 14, 242-54	6.5	43
47	Inhibition of NLRP3 Inflammasome Pathway by Butyrate Improves Corneal Wound Healing in Corneal Alkali Burn. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	42
46	TSLP and downstream molecules in experimental mouse allergic conjunctivitis <b>2010</b> , 51, 3076-82		42
45	Effects of azithromycin on gene expression profiles of proinflammatory and anti-inflammatory mediators in the eyelid margin and conjunctiva of patients with meibomian gland disease. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 1117-23	3.9	41
44	Entrapment of conjunctival goblet cells by desiccation-induced cornification <b>2011</b> , 52, 3492-9		41
43	Induction of Th17 differentiation by corneal epithelial-derived cytokines. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 222, 95-102	7	39
42	Disruption of TGF-β signaling improves ocular surface epithelial disease in experimental autoimmune keratoconjunctivitis sicca. <i>PLoS ONE</i> , <b>2011</b> , 6, e29017	3.7	37
41	Effects of contact lens multipurpose solutions on human corneal epithelial survival and barrier function. <i>Eye and Contact Lens</i> , <b>2008</b> , 34, 281-6	3.2	36
40	A putative role for RHAMM/HMMR as a negative marker of stem cell-containing population of human limbal epithelial cells. <i>Stem Cells</i> , <b>2008</b> , 26, 1609-19	5.8	36

39	Protective Effects of L-Carnitine Against Oxidative Injury by Hyperosmolarity in Human Corneal Epithelial Cells <b>2015</b> , 56, 5503-11		35
38	The Eatenin/Tcf4/survivin signaling maintains a less differentiated phenotype and high proliferative capacity of human corneal epithelial progenitor cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2011</b> , 43, 751-9	5.6	33
37	Molecular signatures and biological pathway profiles of human corneal epithelial progenitor cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2010</b> , 42, 1142-53	5.6	30
36	Matrix metalloproteinases in corneal inflammation. <i>Ocular Surface</i> , <b>2005</b> , 3, S198-202	6.5	29
35	Toll-like receptors mediate induction of peptidoglycan recognition proteins in human corneal epithelial cells. <i>Experimental Eye Research</i> , <b>2010</b> , 90, 130-6	3.7	28
34	Evaluation of the transforming growth factor-beta activity in normal and dry eye human tears by CCL-185 cell bioassay. <i>Cornea</i> , <b>2010</b> , 29, 1048-54	3.1	28
33	Experimentally induced dry eye produces ocular surface inflammation and epithelial disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2002</b> , 506, 647-55	3.6	28
32	An immunoprotective privilege of corneal epithelial stem cells against Th17 inflammatory stress by producing glial cell-derived neurotrophic factor. <i>Stem Cells</i> , <b>2010</b> , 28, 2172-81	5.8	27
31	Pollen/TLR4 Innate Immunity Signaling Initiates IL-33/ST2/Th2 Pathways in Allergic Inflammation. <i>Scientific Reports</i> , <b>2016</b> , 6, 36150	4.9	24
30	Desiccating Stress-Induced MMP Production and Activity Worsens Wound Healing in Alkali-Burned Corneas <b>2015</b> , 56, 4908-18		24
29	Potential localization of putative stem/progenitor cells in human bulbar conjunctival epithelium. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 225, 180-5	7	24
28	Identification of human fibroblast cell lines as a feeder layer for human corneal epithelial regeneration. <i>PLoS ONE</i> , <b>2012</b> , 7, e38825	3.7	20
27	Targeted inhibition of p57 and p15 blocks transforming growth factor beta-inhibited proliferation of primary cultured human limbal epithelial cells. <i>Molecular Vision</i> , <b>2006</b> , 12, 983-94	2.3	20
26	Osmoprotectants suppress the production and activity of matrix metalloproteinases induced by hyperosmolarity in primary human corneal epithelial cells. <i>Molecular Vision</i> , <b>2014</b> , 20, 1243-52	2.3	20
25	IL-27 signaling deficiency develops Th17-enhanced Th2-dominant inflammation in murine allergic conjunctivitis model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 74, 910-921	9.3	20
24	Goblet cell-produced retinoic acid suppresses CD86 expression and IL-12 production in bone marrow-derived cells. <i>International Immunology</i> , <b>2018</b> , 30, 457-470	4.9	19
23	Characterization, isolation, expansion and clinical therapy of human corneal epithelial stem/progenitor cells. <i>Journal of Stem Cells</i> , <b>2014</b> , 9, 79-91		19
22	Human corneal epithelial cells produce antimicrobial peptides LL-37 and Defensins in response to heat-killed <i>Candida albicans</i> . <i>Ophthalmic Research</i> , <b>2014</b> , 51, 179-86	2.9	18

21	A novel interleukin 33/ST2 signaling regulates inflammatory response in human corneal epithelium. <i>PLoS ONE</i> , <b>2013</b> , 8, e60963	3.7	18
20	Identification for Differential Localization of Putative Corneal Epithelial Stem Cells in Mouse and Human. <i>Scientific Reports</i> , <b>2017</b> , 7, 5169	4.9	17
19	Improved transduction of human corneal epithelial progenitor cells with cell-targeting adenoviral vectors. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 798-806	3.7	17
18	A Novel Innate Response of Human Corneal Epithelium to Heat-killed <i>Candida albicans</i> by Producing Peptidoglycan Recognition Proteins. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128039	3.7	15
17	Trehalose Induces Autophagy Against Inflammation by Activating TFEB Signaling Pathway in Human Corneal Epithelial Cells Exposed to Hyperosmotic Stress <b>2020</b> , 61, 26		15
16	Single-cell transcriptomics identifies limbal stem cell population and cell types mapping its differentiation trajectory in limbal basal epithelium of human cornea. <i>Ocular Surface</i> , <b>2021</b> , 20, 20-32	6.5	13
15	A potential link between bacterial pathogens and allergic conjunctivitis by dendritic cells. <i>Experimental Eye Research</i> , <b>2014</b> , 120, 118-26	3.7	12
14	TLR-mediated induction of proinflammatory cytokine IL-32 in corneal epithelium. <i>Current Eye Research</i> , <b>2013</b> , 38, 630-8	2.9	12
13	A native-like corneal construct using donor corneal stroma for tissue engineering. <i>PLoS ONE</i> , <b>2012</b> , 7, e49571	3.7	12
12	Unique expression pattern and functional role of periostin in human limbal stem cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117139	3.7	11
11	MMP-8 Is Critical for Dexamethasone Therapy in Alkali-Burned Corneas Under Dry Eye Conditions. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 2506-16	7	11
10	Glial cell-derived neurotrophic factor gene delivery enhances survival of human corneal epithelium in culture and the overexpression of GDNF in bioengineered constructs. <i>Experimental Eye Research</i> , <b>2008</b> , 87, 580-6	3.7	10
9	Autophagy Activation Protects Ocular Surface from Inflammation in a Dry Eye Model In Vitro. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
8	Short ragweed pollen promotes M2 macrophage polarization via TSLP/TSLPR/OX40L signaling in allergic inflammation. <i>Mucosal Immunology</i> , <b>2019</b> , 12, 1141-1149	9.2	7
7	IL-36 $\beta$ /IL-36RA/IL-38 signaling mediates inflammation and barrier disruption in human corneal epithelial cells under hyperosmotic stress. <i>Ocular Surface</i> , <b>2021</b> , 22, 163-171	6.5	7
6	IL-33/ST2/IL-9/IL-9R signaling disrupts ocular surface barrier in allergic inflammation. <i>Mucosal Immunology</i> , <b>2020</b> , 13, 919-930	9.2	5
5	Differential regulation of keratinocyte growth factor and hepatocyte growth factor/scatter factor by different cytokines in human corneal and limbal fibroblasts <b>1997</b> , 172, 361		4
4	Single-Cell Transcriptomics Identifies a Unique Entity and Signature Markers of Transit-Amplifying Cells in Human Corneal Limbus <b>2021</b> , 62, 36		3

3	Anticancer Drug-Induced Apoptosis and Cytotoxicity in Prostate Cancer Cells Are Modulated by Organ-Specific Stromal Cell Factors. <i>Scientific World Journal, The</i> , <b>2001</b> , 1, 59	2.2	1
2	Cathepsin S is a novel target for age-related dry eye.. <i>Experimental Eye Research</i> , <b>2021</b> , 214, 108895	3.7	1
1	A Novel Epithelial Proallergic Cytokine IL-33 Serves As A Biomarker For Ocular Allergic Inflammation. <i>FASEB Journal</i> , <b>2011</b> , 25, lb345	0.9	