

Stephen C Pflugfelder

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221
papers

16,372
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121
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229
ext. papers

18,651
ext. citations

4.8
avg. IF

6.71
L-index

#	Paper	IF	Citations
221	The pathology of dry eye: the interaction between the ocular surface and lacrimal glands. <i>Cornea</i> , 1998 , 17, 584-9	3.1	648
220	Altered cytokine balance in the tear fluid and conjunctiva of patients with Sjögren's syndrome keratoconjunctivitis sicca. <i>Current Eye Research</i> , 1999 , 19, 201-11	2.9	474
219	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> , 2004 , 45, 4293-301		440
218	Evaluation of subjective assessments and objective diagnostic tests for diagnosing tear-film disorders known to cause ocular irritation. <i>Cornea</i> , 1998 , 17, 38-56	3.1	423
217	Dysfunctional tear syndrome: a Delphi approach to treatment recommendations. <i>Cornea</i> , 2006 , 25, 900-7	3.1	374
216	The role of the lacrimal functional unit in the pathophysiology of dry eye. <i>Experimental Eye Research</i> , 2004 , 78, 409-16	3.7	372
215	Tear cytokine profiles in dysfunctional tear syndrome. <i>American Journal of Ophthalmology</i> , 2009 , 147, 198-205. e1	4.9	344
214	Characterization of putative stem cell phenotype in human limbal epithelia. <i>Stem Cells</i> , 2004 , 22, 355-66	5.8	304
213	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> , 2006 , 83, 526-35	3.7	298
212	Stimulation of matrix metalloproteinases by hyperosmolarity via a JNK pathway in human corneal epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 4302-11		290
211	Desiccating stress induces T cell-mediated Sjögren's Syndrome-like lacrimal keratoconjunctivitis. <i>Journal of Immunology</i> , 2006 , 176, 3950-7	5.3	269
210	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> , 2006 , 82, 588-96	3.7	265
209	ABCG2 transporter identifies a population of clonogenic human limbal epithelial cells. <i>Stem Cells</i> , 2005 , 23, 63-73	5.8	258
208	Production and activity of matrix metalloproteinase-9 on the ocular surface increase in dysfunctional tear syndrome 2009 , 50, 3203-9		255
207	Hyperosmolar saline is a proinflammatory stress on the mouse ocular surface. <i>Eye and Contact Lens</i> , 2005 , 31, 186-93	3.2	242
206	Dry eye-induced conjunctival epithelial squamous metaplasia is modulated by interferon-gamma. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 2553-60		232
205	Matrix metalloproteinase-9 knockout confers resistance to corneal epithelial barrier disruption in experimental dry eye. <i>American Journal of Pathology</i> , 2005 , 166, 61-71	5.8	229

204	Apoptosis of ocular surface cells in experimentally induced dry eye. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 124-9		228
203	Regulation of MMP-9 production by human corneal epithelial cells. <i>Experimental Eye Research</i> , 2001 , 73, 449-59	3.7	207
202	Dry eye as a mucosal autoimmune disease. <i>International Reviews of Immunology</i> , 2013 , 32, 19-41	4.6	206
201	Correlation of goblet cell density and mucosal epithelial membrane mucin expression with rose bengal staining in patients with ocular irritation. <i>Ophthalmology</i> , 1997 , 104, 223-35	7.3	187
200	Phenotypic characterization of human corneal epithelial cells expanded ex vivo from limbal explant and single cell cultures. <i>Experimental Eye Research</i> , 2004 , 79, 41-9	3.7	184
199	Altered Mucosal Microbiome Diversity and Disease Severity in Sjögren Syndrome. <i>Scientific Reports</i> , 2016 , 6, 23561	4.9	184
198	The Pathophysiology of Dry Eye Disease: What We Know and Future Directions for Research. <i>Ophthalmology</i> , 2017 , 124, S4-S13	7.3	169
197	A randomized, double-masked, placebo-controlled, multicenter comparison of loteprednol etabonate ophthalmic suspension, 0.5%, and placebo for treatment of keratoconjunctivitis sicca in patients with delayed tear clearance. <i>American Journal of Ophthalmology</i> , 2004 , 138, 444-57	4.9	169
196	A mouse model of keratoconjunctivitis sicca. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 632-8		163
195	Corneal surface regularity and the effect of artificial tears in aqueous tear deficiency. <i>Ophthalmology</i> , 1999 , 106, 939-43	7.3	162
194	Conjunctival cytologic features of primary Sjögren's syndrome. <i>Ophthalmology</i> , 1990 , 97, 985-91	7.3	151
193	In vivo confocal microscopy of the ocular surface: from bench to bedside. <i>Current Eye Research</i> , 2014 , 39, 213-31	2.9	148
192	Apical corneal barrier disruption in experimental murine dry eye is abrogated by methylprednisolone and doxycycline. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2847-56		141
191	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> , 2007 , 48, 2561-9		138
190	Desiccating stress stimulates expression of matrix metalloproteinases by the corneal epithelium. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 3293-302		138
189	Interleukin-6 levels in the conjunctival epithelium of patients with dry eye disease treated with cyclosporine ophthalmic emulsion. <i>Cornea</i> , 2000 , 19, 492-6	3.1	136
188	Corneal epitheliopathy of dry eye induces hyperesthesia to mechanical air jet stimulation. <i>American Journal of Ophthalmology</i> , 2004 , 137, 109-15	4.9	132
187	Topical ophthalmic cyclosporine: pharmacology and clinical uses. <i>Survey of Ophthalmology</i> , 2009 , 54, 321-38	6.1	130

186	Topical cyclosporine inhibits conjunctival epithelial apoptosis in experimental murine keratoconjunctivitis sicca. <i>Cornea</i> , 2005 , 24, 80-5	3.1	129
185	Clinical guidelines for management of dry eye associated with Sjögren disease. <i>Ocular Surface</i> , 2015 , 13, 118-32	6.5	127
184	Hyperosmolarity-induced apoptosis in human corneal epithelial cells is mediated by cytochrome c and MAPK pathways. <i>Cornea</i> , 2007 , 26, 452-60	3.1	127
183	Effects of sequential artificial tear and cyclosporine emulsion therapy on conjunctival goblet cell density and transforming growth factor-beta2 production. <i>Cornea</i> , 2008 , 27, 64-9	3.1	124
182	Expression of CXCL9, -10, -11, and CXCR3 in the tear film and ocular surface of patients with dry eye syndrome 2010 , 51, 643-50		122
181	Acute and Chronic Ophthalmic Involvement in Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis - A Comprehensive Review and Guide to Therapy. II. Ophthalmic Disease. <i>Ocular Surface</i> , 2016 , 14, 168-88	6.5	121
180	Doxycycline inhibits TGF-beta1-induced MMP-9 via Smad and MAPK pathways in human corneal epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 840-8		119
179	Aqueous tear production in patients with neurotrophic keratitis. <i>Cornea</i> , 1996 , 15, 135-8	3.1	113
178	Lifitegrast, a Novel Integrin Antagonist for Treatment of Dry Eye Disease. <i>Ocular Surface</i> , 2016 , 14, 207-15		110
177	Ocular surface APCs are necessary for autoreactive T cell-mediated experimental autoimmune lacrimal keratoconjunctivitis. <i>Journal of Immunology</i> , 2011 , 187, 3653-62	5.3	109
176	Assessing the severity of keratitis sicca with videokeratoscopic indices. <i>Ophthalmology</i> , 2003 , 110, 1102-9	3.3	102
175	Prevalence, burden, and pharmacoeconomics of dry eye disease. <i>American Journal of Managed Care</i> , 2008 , 14, S102-6	2.1	102
174	Corneal thickness indices discriminate between keratoconus and contact lens-induced corneal thinning. <i>Ophthalmology</i> , 2002 , 109, 2336-41	7.3	100
173	Transforming growth factor beta-1 and beta-2 in human tear fluid. <i>Current Eye Research</i> , 1996 , 15, 605-14	4.9	100
172	T helper cytokines in dry eye disease. <i>Experimental Eye Research</i> , 2013 , 117, 118-25	3.7	98
171	Regulated expression of collagenases MMP-1, -8, and -13 and stromelysins MMP-3, -10, and -11 by human corneal epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 2928-36		93
170	Atopic keratoconjunctivitis: A review. <i>Journal of the American Academy of Dermatology</i> , 2014 , 70, 569-75	4.5	92
169	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> , 2011 , 128, 1318-1325.e2	11.5	92

168	Interferon- γ exacerbates dry eye-induced apoptosis in conjunctiva through dual apoptotic pathways 2011 , 52, 6279-85		87
167	Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis--A Comprehensive Review and Guide to Therapy. I. Systemic Disease. <i>Ocular Surface</i> , 2016 , 14, 2-19	6.5	85
166	Aqueous Tear Deficiency Increases Conjunctival Interferon- γ Expression and Goblet Cell Loss 2015 , 56, 7545-50		84
165	Topical Recombinant Human Nerve Growth Factor (Cenergermin) for Neurotrophic Keratopathy: A Multicenter Randomized Vehicle-Controlled Pivotal Trial. <i>Ophthalmology</i> , 2020 , 127, 14-26	7.3	84
164	A unified theory of the role of the ocular surface in dry eye. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 438, 643-51	3.6	82
163	Age-related T-cell cytokine profile parallels corneal disease severity in Sjogren's syndrome-like keratoconjunctivitis sicca in CD25KO mice. <i>Rheumatology</i> , 2010 , 49, 246-58	3.9	81
162	Tear dysfunction and the cornea: LXVIII Edward Jackson Memorial Lecture. <i>American Journal of Ophthalmology</i> , 2011 , 152, 900-909.e1	4.9	79
161	Epithelial-immune cell interaction in dry eye. <i>Cornea</i> , 2008 , 27 Suppl 1, S9-11	3.1	78
160	Alterations of ocular surface gene expression in Sjogren's syndrome. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 438, 533-6	3.6	77
159	Oxidative stress markers induced by hyperosmolarity in primary human corneal epithelial cells. <i>PLoS ONE</i> , 2015 , 10, e0126561	3.7	76
158	The autoimmune nature of aqueous tear deficiency. <i>Ophthalmology</i> , 1986 , 93, 1513-7	7.3	75
157	Desiccating stress promotion of Th17 differentiation by ocular surface tissues through a dendritic cell-mediated pathway 2010 , 51, 3083-91		71
156	Resolvin E1 (RX-10001) reduces corneal epithelial barrier disruption and protects against goblet cell loss in a murine model of dry eye. <i>Cornea</i> , 2012 , 31, 1299-303	3.1	69
155	Strain-related cytokine profiles on the murine ocular surface in response to desiccating stress. <i>Cornea</i> , 2007 , 26, 579-84	3.1	69
154	Multicenter open-label study evaluating the efficacy of azithromycin ophthalmic solution 1% on the signs and symptoms of subjects with blepharitis. <i>Cornea</i> , 2010 , 29, 871-7	3.1	68
153	Blueberry Component Pterostilbene Protects Corneal Epithelial Cells from Inflammation via Anti-oxidative Pathway. <i>Scientific Reports</i> , 2016 , 6, 19408	4.9	66
152	Anti-inflammatory therapy of dry eye. <i>Ocular Surface</i> , 2003 , 1, 31-6	6.5	65
151	Interferon- γ -Induced Unfolded Protein Response in Conjunctival Goblet Cells as a Cause of Mucin Deficiency in Sjogren Syndrome. <i>American Journal of Pathology</i> , 2016 , 186, 1547-58	5.8	65

150	Hyperosmolarity-induced cornification of human corneal epithelial cells is regulated by JNK MAPK. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 539-49		64
149	Tear meniscus dimensions in tear dysfunction and their correlation with clinical parameters. <i>American Journal of Ophthalmology</i> , 2014 , 157, 301-310.e1	4.9	62
148	Noninvasive assessment of tear stability with the tear stability analysis system in tear dysfunction patients 2011 , 52, 456-61		62
147	NK cells promote Th-17 mediated corneal barrier disruption in dry eye. <i>PLoS ONE</i> , 2012 , 7, e36822	3.7	62
146	LFA-1/ICAM-1 Interaction as a Therapeutic Target in Dry Eye Disease. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017 , 33, 5-12	2.6	60
145	IL-13 Stimulates Proliferation and Expression of Mucin and Immunomodulatory Genes in Cultured Conjunctival Goblet Cells 2015 , 56, 4186-97		60
144	Production and secretion of transforming growth factor beta (TGF-beta) by the human lacrimal gland. <i>Current Eye Research</i> , 1996 , 15, 615-24	2.9	59
143	Detection of herpes viral genomes in normal and diseased corneal epithelium. <i>Current Eye Research</i> , 1990 , 9, 569-81	2.9	59
142	Suppressive effects of azithromycin on zymosan-induced production of proinflammatory mediators by human corneal epithelial cells 2010 , 51, 5623-9		58
141	Ocular surface disease and dacryoadenitis in aging C57BL/6 mice. <i>American Journal of Pathology</i> , 2014 , 184, 631-43	5.8	56
140	Topical interferon-gamma neutralization prevents conjunctival goblet cell loss in experimental murine dry eye. <i>Experimental Eye Research</i> , 2014 , 118, 117-24	3.7	54
139	Long-term Supplementation With n-6 and n-3 PUFAs Improves Moderate-to-Severe Keratoconjunctivitis Sicca: A Randomized Double-Blind Clinical Trial. <i>Cornea</i> , 2013 , 32, 1297-304	3.1	54
138	Desiccating stress induces CD4+ T-cell-mediated Sjögren's syndrome-like corneal epithelial apoptosis via activation of the extrinsic apoptotic pathway by interferon- γ <i>American Journal of Pathology</i> , 2011 , 179, 1807-14	5.8	54
137	Anterior segment optical coherence tomography: a diagnostic instrument for conjunctivochalasis. <i>American Journal of Ophthalmology</i> , 2010 , 150, 798-806	4.9	53
136	Human corneal epithelium-derived thymic stromal lymphopoietin links the innate and adaptive immune responses via TLRs and Th2 cytokines 2009 , 50, 2702-9		53
135	Treatment of blepharitis: recent clinical trials. <i>Ocular Surface</i> , 2014 , 12, 273-84	6.5	52
134	Autoantibodies contribute to the immunopathogenesis of experimental dry eye disease 2012 , 53, 2062-75		52
133	Goblet Cells Contribute to Ocular Surface Immune Tolerance-Implications for Dry Eye Disease. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	51

132	Patient ocular conditions and clinical outcomes using a PROSE scleral device. <i>Contact Lens and Anterior Eye</i> , 2013 , 36, 159-63	4.1	50
131	Corneal nerve regeneration in neurotrophic keratopathy following autologous plasma therapy. <i>British Journal of Ophthalmology</i> , 2010 , 94, 584-91	5.5	50
130	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> , 2015 , 40, 657-67	2.9	49
129	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> , 2017 , 80, 65-76	15.5	48
128	Dexamethasone nanowafer as an effective therapy for dry eye disease. <i>Journal of Controlled Release</i> , 2015 , 213, 168-174	11.7	48
127	In vitro expanded CD4+CD25+Foxp3+ regulatory T cells maintain a normal phenotype and suppress immune-mediated ocular surface inflammation 2008 , 49, 5434-40		48
126	The effects of experimental tear film removal on corneal surface regularity and barrier function. <i>Ophthalmology</i> , 2000 , 107, 1754-60	7.3	48
125	Effect of desiccating stress on mouse meibomian gland function. <i>Ocular Surface</i> , 2014 , 12, 59-68	6.5	47
124	Factors predicting the ocular surface response to desiccating environmental stress 2013 , 54, 3325-32		47
123	The impact of the Boston ocular surface prosthesis on wavefront higher-order aberrations. <i>American Journal of Ophthalmology</i> , 2011 , 151, 682-690.e2	4.9	46
122	Protective role of commensal bacteria in Sjögren Syndrome. <i>Journal of Autoimmunity</i> , 2018 , 93, 45-56	15.5	45
121	Age-related spontaneous lacrimal keratoconjunctivitis is accompanied by dysfunctional T regulatory cells. <i>Mucosal Immunology</i> , 2017 , 10, 743-756	9.2	45
120	Interleukin-1 receptor-1-deficient mice show attenuated production of ocular surface inflammatory cytokines in experimental dry eye. <i>Cornea</i> , 2008 , 27, 811-7	3.1	44
119	Differential Effects of Dexamethasone and Doxycycline on Inflammation and MMP Production in Murine Alkali-Burned Corneas Associated with Dry Eye. <i>Ocular Surface</i> , 2016 , 14, 242-54	6.5	43
118	Desiccating environmental stress exacerbates autoimmune lacrimal keratoconjunctivitis in non-obese diabetic mice. <i>Journal of Autoimmunity</i> , 2008 , 30, 212-21	15.5	43
117	Reduced intraepithelial corneal nerve density and sensitivity accompany desiccating stress and aging in C57BL/6 mice. <i>Experimental Eye Research</i> , 2018 , 169, 91-98	3.7	42
116	Inhibition of NLRP3 Inflammasome Pathway by Butyrate Improves Corneal Wound Healing in Corneal Alkali Burn. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	42
115	Toll-like receptor expression and activation in mice with experimental dry eye 2013 , 54, 1554-63		42

114	TSLP and downstream molecules in experimental mouse allergic conjunctivitis 2010 , 51, 3076-82		42
113	Nasolacrimal Stimulation of Aqueous Tear Production. <i>Cornea</i> , 1997 , 16, 645-648	3.1	42
112	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> , 2015 , 133, 1117-23	3.9	41
111	Chemokine receptors CCR6 and CXCR3 are necessary for CD4(+) T cell mediated ocular surface disease in experimental dry eye disease. <i>PLoS ONE</i> , 2013 , 8, e78508	3.7	41
110	Desiccating stress-induced chemokine expression in the epithelium is dependent on upregulation of NKG2D/RAE-1 and release of IFN- γ in experimental dry eye. <i>Journal of Immunology</i> , 2014 , 193, 5264-72	5.3	40
109	Effect of experimental dry eye on tear sodium concentration in the mouse. <i>Eye and Contact Lens</i> , 2005 , 31, 175-8	3.2	40
108	Effects of Dry Eye Therapies on Environmentally Induced Ocular Surface Disease. <i>American Journal of Ophthalmology</i> , 2015 , 160, 135-42.e1	4.9	39
107	Increasing prevalence and severity of conjunctivochalasis with aging detected by anterior segment optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2013 , 155, 238-242.e2	4.9	39
106	Induction of Th17 differentiation by corneal epithelial-derived cytokines. <i>Journal of Cellular Physiology</i> , 2010 , 222, 95-102	7	39
105	A Novel Method of Tear Collection. <i>Cornea</i> , 1997 , 16, 450-458	3.1	38
104	Evolving risk factors and antibiotic sensitivity patterns for microbial keratitis at a large county hospital. <i>British Journal of Ophthalmology</i> , 2017 , 101, 1483-1487	5.5	37
103	Disruption of TGF- β signaling improves ocular surface epithelial disease in experimental autoimmune keratoconjunctivitis sicca. <i>PLoS ONE</i> , 2011 , 6, e29017	3.7	37
102	Defining Dry Eye from a Clinical Perspective. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
101	Biological functions of tear film. <i>Experimental Eye Research</i> , 2020 , 197, 108115	3.7	36
100	Effects of contact lens multipurpose solutions on human corneal epithelial survival and barrier function. <i>Eye and Contact Lens</i> , 2008 , 34, 281-6	3.2	36
99	Sjögren-Like Lacrimal Keratoconjunctivitis in Germ-Free Mice. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	35
98	Protective Effects of L-Carnitine Against Oxidative Injury by Hyperosmolarity in Human Corneal Epithelial Cells 2015 , 56, 5503-11		35
97	Desiccating stress decreases apical corneal epithelial cell size--modulation by the metalloproteinase inhibitor doxycycline. <i>Cornea</i> , 2008 , 27, 935-40	3.1	35

96	Spontaneous autoimmune dacryoadenitis in aged CD25KO mice. <i>American Journal of Pathology</i> , 2010 , 177, 744-53	5.8	34
95	The Effects of Age, Gender, and Fluid Dynamics on the Concentration of Tear Film Epidermal Growth Factor. <i>Cornea</i> , 1997 , 16, 430-438	3.1	34
94	Corneal Sensitivity in Tear Dysfunction and its Correlation With Clinical Parameters and Blink Rate. <i>American Journal of Ophthalmology</i> , 2015 , 160, 858-866.e5	4.9	33
93	PROSE therapy used to minimize corneal trauma in patients with corneal epithelial defects. <i>American Journal of Ophthalmology</i> , 2013 , 155, 615-619, 619.e1-2	4.9	32
92	Pharmacological cholinergic blockade stimulates inflammatory cytokine production and lymphocytic infiltration in the mouse lacrimal gland 2011 , 52, 3221-7		31
91	Essential role for c-Jun N-terminal kinase 2 in corneal epithelial response to desiccating stress. <i>JAMA Ophthalmology</i> , 2009 , 127, 1625-31		31
90	Stress-activated protein kinase signaling pathways in dry eye and ocular surface disease. <i>Ocular Surface</i> , 2005 , 3, S154-7	6.5	31
89	Association between high tear epidermal growth factor levels and corneal subepithelial fibrosis in dry eye conditions 2010 , 51, 844-9		30
88	The gut-eye-lacrimal gland-microbiome axis in Sjögren Syndrome. <i>Ocular Surface</i> , 2020 , 18, 335-344	6.5	30
87	New testing options for diagnosing and grading dry eye disease. <i>American Journal of Ophthalmology</i> , 2014 , 157, 1122-9	4.9	29
86	Deletion of interferon- γ delays onset and severity of dacryoadenitis in CD25KO mice. <i>Arthritis Research and Therapy</i> , 2012 , 14, R234	5.7	29
85	Cleavage of functional IL-2 receptor alpha chain (CD25) from murine corneal and conjunctival epithelia by MMP-9. <i>Journal of Inflammation</i> , 2009 , 6, 31	6.7	28
84	Evaluation of the transforming growth factor-beta activity in normal and dry eye human tears by CCL-185 cell bioassay. <i>Cornea</i> , 2010 , 29, 1048-54	3.1	28
83	Goblet cell loss abrogates ocular surface immune tolerance. <i>JCI Insight</i> , 2018 , 3,	9.9	28
82	Experimentally induced dry eye produces ocular surface inflammation and epithelial disease. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 506, 647-55	3.6	28
81	Randomized Controlled Crossover Trial Comparing the Impact of Sham or Intranasal Tear Neurostimulation on Conjunctival Goblet Cell Degranulation. <i>American Journal of Ophthalmology</i> , 2017 , 177, 159-168	4.9	27
80	Altered balance of interleukin-13/interferon-gamma contributes to lacrimal gland destruction and secretory dysfunction in CD25 knockout model of Sjögren syndrome. <i>Arthritis Research and Therapy</i> , 2015 , 17, 53	5.7	27
79	Age-Related Conjunctival Disease in the C57BL/6.NOD-Aec1Aec2 Mouse Model of Sjögren Syndrome Develops Independent of Lacrimal Dysfunction 2015 , 56, 2224-33		26

78	Inflammatory Response to Lipopolysaccharide on the Ocular Surface in a Murine Dry Eye Model 2016 , 57, 2443-51		26
77	Macrophage Phenotype in the Ocular Surface of Experimental Murine Dry Eye Disease. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2015 , 63, 299-304	4	25
76	Dendritic cell-derived thrombospondin-1 is critical for the generation of the ocular surface Th17 response to desiccating stress. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 1293-301	6.5	25
75	Corneal epithelial opacity in dysfunctional tear syndrome. <i>American Journal of Ophthalmology</i> , 2009 , 148, 376-82	4.9	25
74	Dexamethasone Drug Eluting Nanowafers Control Inflammation in Alkali-Burned Corneas Associated With Dry Eye 2016 , 57, 3222-30		25
73	What We Have Learned From Animal Models of Dry Eye. <i>International Ophthalmology Clinics</i> , 2017 , 57, 109-118	1.7	24
72	Pollen/TLR4 Innate Immunity Signaling Initiates IL-33/ST2/Th2 Pathways in Allergic Inflammation. <i>Scientific Reports</i> , 2016 , 6, 36150	4.9	24
71	Desiccating Stress-Induced MMP Production and Activity Worsens Wound Healing in Alkali-Burned Corneas 2015 , 56, 4908-18		24
70	Age-associated antigen-presenting cell alterations promote dry-eye inducing Th1 cells. <i>Mucosal Immunology</i> , 2019 , 12, 897-908	9.2	22
69	Suppression of Th1-Mediated Keratoconjunctivitis Sicca by Lifitegrast. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018 , 34, 543-549	2.6	22
68	Challenges in the clinical measurement of ocular surface disease in glaucoma patients. <i>Clinical Ophthalmology</i> , 2011 , 5, 1575-83	2.5	22
67	Immune - Goblet cell interaction in the conjunctiva. <i>Ocular Surface</i> , 2020 , 18, 326-334	6.5	21
66	Severity of Sjögren's Syndrome Keratoconjunctivitis Sicca Increases with Increased Percentage of Conjunctival Antigen-Presenting Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	21
65	Clusterin Seals the Ocular Surface Barrier in Mouse Dry Eye. <i>PLoS ONE</i> , 2015 , 10, e0138958	3.7	20
64	Osmoprotectants suppress the production and activity of matrix metalloproteinases induced by hyperosmolarity in primary human corneal epithelial cells. <i>Molecular Vision</i> , 2014 , 20, 1243-52	2.3	20
63	Topical cyclosporine A therapy for dry eye syndrome. <i>The Cochrane Library</i> , 2019 , 9, CD010051	5.2	20
62	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> , 2019 , 74, 910-921	9.3	20
61	Goblet cell-produced retinoic acid suppresses CD86 expression and IL-12 production in bone marrow-derived cells. <i>International Immunology</i> , 2018 , 30, 457-470	4.9	19

60	Improvement of Outcome Measures of Dry Eye by a Novel Integrin Antagonist in the Murine Desiccating Stress Model 2015 , 56, 5888-95		19
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