David A Sullivan

List of Publications by Year
in descending order

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140 papers	12,320 citations	43973 48 h-index	35952 97 g-index
144 all docs	144 docs citations	144 times ranked	5393 citing authors

#	Article	IF	Citations
1	TFOS DEWS II pathophysiology report. Ocular Surface, 2017, 15, 438-510.	2.2	1,049
2	Prevalence of dry eye syndrome among US women. American Journal of Ophthalmology, 2003, 136, 318-326.	1.7	999
3	The International Workshop on Meibomian Gland Dysfunction: Report of the Subcommittee on Anatomy, Physiology, and Pathophysiology of the Meibomian Gland. , 2011, 52, 1938.		780
4	The International Workshop on Meibomian Gland Dysfunction: Executive Summary. , 2011, 52, 1922.		738
5	Impact of Dry Eye Syndrome on Vision-Related Quality of Life. American Journal of Ophthalmology, 2007, 143, 409-415.e2.	1.7	694
6	TFOS DEWS II Report Executive Summary. Ocular Surface, 2017, 15, 802-812.	2.2	502
7	Prevalence of Dry Eye Disease Among US Men. JAMA Ophthalmology, 2009, 127, 763.	2.6	483
8	Hormone Replacement Therapy and Dry Eye Syndrome. JAMA - Journal of the American Medical Association, 2001, 286, 2114.	3.8	317
9	Identification of androgen, estrogen and progesterone receptor mRNAs in the eye. Acta Ophthalmologica, 2000, 78, 146-153.	0.4	304
10	Androgen Deficiency, Meibomian Gland Dysfunction, and Evaporative Dry Eye. Annals of the New York Academy of Sciences, 2002, 966, 211-222.	1.8	279
11	TFOS DEWS II Sex, Gender, and Hormones Report. Ocular Surface, 2017, 15, 284-333.	2.2	260
12	Identification of androgen receptor protein and 5alpha -reductase mRNA in human ocular tissues. British Journal of Ophthalmology, 2000, 84, 76-84.	2.1	191
13	TFOS DEWS II Introduction. Ocular Surface, 2017, 15, 269-275.	2.2	180
14	Effect of Androgen Deficiency on the Human Meibomian Gland and Ocular Surface¹. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 4874-4882.	1.8	172
15	The TFOS International Workshop on Contact Lens Discomfort: Executive Summary. , 2013, 54, TFOS7.		171
16	Influence of Aging on the Polar and Neutral Lipid Profiles in Human Meibomian Gland Secretions. JAMA Ophthalmology, 2006, 124, 1286.	2.6	146
17	Androgens and Dry Eye in Sjogren's Syndromea. Annals of the New York Academy of Sciences, 1999, 876, 312-324.	1.8	125
18	Aging and dry eye disease. Experimental Gerontology, 2012, 47, 483-490.	1.2	125

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19	Epidemiology of Dry Eye Syndrome. Advances in Experimental Medicine and Biology, 2002, 506, 989-998.	0.8	123
20	Complete Androgen Insensitivity Syndrome. JAMA Ophthalmology, 2002, 120, 1689.	2.6	122
21	Proteomic analysis of human meibomian gland secretions. British Journal of Ophthalmology, 2006, 90, 372-377.	2.1	120
22	Tearful Relationships? Sex, Hormones, the Lacrimal Gland, and Aqueous-Deficient Dry Eye. Ocular Surface, 2004, 2, 92-123.	2.2	117
23	Validation and Repeatability of a Short Questionnaire for Dry Eye Syndrome. American Journal of Ophthalmology, 2006, 142, 125-131.e2.	1.7	112
24	Influence of Gender, Sex Steroid Hormones, and the Hypothalamic-Pituitary Axis on the Structure and Function of the Lacrimal Gland. Advances in Experimental Medicine and Biology, 1998, 438, 11-42.	0.8	102
25	Transcription, Translation, and Function of Lubricin, a Boundary Lubricant, at the Ocular Surface. JAMA Ophthalmology, 2013, 131, 766.	1.4	101
26	Estradiol and Progesterone Regulation of Immunoglobulin A and G and Secretory Component in Cervicovaginal Secretions of the Rat 1. Biology of Reproduction, 1985, 32, 90-95.	1.2	98
27	Is Complete Androgen Insensitivity Syndrome Associated with Alterations in the Meibomian Gland and Ocular Surface?. Cornea, 2003, 22, 516-521.	0.9	94
28	Culture, Immortalization, and Characterization of Human Meibomian Gland Epithelial Cells. , 2010, 51, 3993.		93
29	Impact of Antiandrogen Treatment on the Fatty Acid Profile of Neutral Lipids in Human Meibomian Gland Secretions1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 4866-4873.	1.8	91
30	Androgen stimulation of lacrimal gland function in mouse models of SjÃ¶gren's syndrome. Journal of Steroid Biochemistry and Molecular Biology, 1997, 60, 237-245.	1.2	84
31	Do sex steroids exert sex-specific and/or opposite effects on gene expression in lacrimal and meibomian glands?. Molecular Vision, 2009, 15, 1553-72.	1.1	82
32	Impact of Gender on Exocrine Gland Inflammation in Mouse Models of SjÃ¶gren's Syndrome. Experimental Eye Research, 1999, 69, 355-366.	1.2	81
33	Androgen Control of Gene Expression in the Mouse Meibomian Gland. , 2005, 46, 3666.		80
34	Characterization of full-length recombinant human Proteoglycan 4 as an ocular surface boundary lubricant. Experimental Eye Research, 2014, 127, 14-19.	1.2	78
35	Androgen control of autoimmune expression in lacrimal glands of mice. Clinical Immunology and Immunopathology, 1989, 53, 499-508.	2.1	77
36	Estrogen and Progesterone Control of Gene Expression in the Mouse Meibomian Gland. , 2008, 49, 1797.		76

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37	Are women with SjÃ¶gren's syndrome androgen-deficient?. Journal of Rheumatology, 2003, 30, 2413-9.	1.0	74
38	A Two-Week, Randomized, Double-masked Study to Evaluate Safety and Efficacy of Lubricin (150ÂÎ¼g/mL) Eye Drops Versus Sodium Hyaluronate (HA) 0.18% Eye Drops (VismedÂ®) in Patients with Moderate Dry Eye Disease. Ocular Surface, 2017, 15, 77-87.	2.2	73
39	Effect of Azithromycin on Lipid Accumulation in Immortalized Human Meibomian Gland Epithelial Cells. JAMA Ophthalmology, 2014, 132, 226.	1.4	67
40	Changes in Gene Expression in Human Meibomian Gland Dysfunction. , 2011, 52, 2727.		66
41	The Influence of 13-cisRetinoic Acid on Human Meibomian Gland Epithelial Cells. , 2013, 54, 4341.		66
42	Is Estrogen a Therapeutic Target for Glaucoma?. Seminars in Ophthalmology, 2016, 31, 140-146.	0.8	65
43	Androgen regulation of lipogenic pathways in the mouse meibomian gland. Experimental Eye Research, 2006, 83, 291-296.	1.2	64
44	Variations in the levels of secretory component in human uterine fluid during the menstrual cycle. The Journal of Steroid Biochemistry, 1984, 20, 509-513.	1.3	62
45	Estrogen Stimulation of Proinflammatory Cytokine and Matrix Metalloproteinase Gene Expression in Human Corneal Epithelial Cells. Cornea, 2005, 24, 1004-1009.	0.9	62
46	Hormonal Regulation of Immunoglobulins in the Rat Uterus: Uterine Response to Multiple Estradiol Treatments*. Endocrinology, 1984, 114, 650-658.	1.4	61
47	One man's poison is another man's meat: Using azithromycin-induced phospholipidosis to promote ocular surface health. Toxicology, 2014, 320, 1-5.	2.0	59
48	Hormonal Regulation of Immunoglobulins in the Rat Uterus: Uterine Response to a Single Estradiol Treatment*. Endocrinology, 1983, 112, 260-268.	1.4	56
49	Identification and endocrine control of sex steroid binding sites in the lacrimal gland. Current Eye Research, 1996, 15, 279-291.	0.7	56
50	Identification of Steroidogenic Enzyme mRNAs in the Human Lacrimal Gland, Meibomian Gland, Cornea, and Conjunctiva. Cornea, 2006, 25, 438-442.	0.9	54
51	Cellular aspects of the rat uterine IgA response to estradiol and progesterone. The Journal of Steroid Biochemistry, 1980, 12, 451-459.	1.3	53
52	Influence of gender and the endocrine environment on the distribution of androgen receptors in the lacrimal gland. Journal of Steroid Biochemistry and Molecular Biology, 1993, 46, 737-749.	1.2	53
53	Hormonal modulation of tear volume in the rat. Experimental Eye Research, 1986, 42, 131-139.	1.2	52
54	Neurotransmitter Influence on Human Meibomian Gland Epithelial Cells. , 2011, 52, 8543.		52

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55	Androgen Regulation of the Meibomian Gland. Advances in Experimental Medicine and Biology, 1998, 438, 327-331.	0.8	51
56	Hormonal influence on the secretory immune system of the eye: Endocrine impact on the lacrimal gland accumulation and secretion of IgA and IgG. The Journal of Steroid Biochemistry, 1989, 34, 253-262.	1.3	50
57	Serum-Induced Differentiation of Human Meibomian Gland Epithelial Cells. , 2014, 55, 3866.		50
58	Novel Therapy to Treat Corneal Epithelial Defects: A Hypothesis with Growth Hormone. Ocular Surface, 2015, 13, 204-212.e1.	2.2	49
59	Androgen control of secretory component mRNA levels in the rat lacrimal gland. Journal of Steroid Biochemistry and Molecular Biology, 1995, 52, 239-249.	1.2	47
60	Gender and Androgen Treatment Influence the Expression of Proto-oncogenes and Apoptotic Factors in Lacrimal and Salivary Tissues of MRL/lprMice. Clinical Immunology and Immunopathology, 1998, 86, 59-71.	2.1	47
61	Meibomian Gland Dysfunction in Primary and Secondary SjÃ¶gren Syndrome. Ophthalmic Research, 2018, 59, 193-205.	1.0	47
62	Ageâ€•and genderâ€•related influence on the lacrimal gland and tears. Acta Ophthalmologica, 1990, 68, 188-194.	0.6	46
63	Effects of Insulin and High Glucose on Human Meibomian Gland Epithelial Cells. , 2015, 56, 7814.		46
64	Estrogenâ€™s and Progesteroneâ€™s Impact on Gene Expression in the Mouse Lacrimal Gland. , 2006, 47, 158.		44
65	Androgen regulation of gene expression in human meibomian gland and conjunctival epithelial cells. Molecular Vision, 2012, 18, 1055-67.	1.1	44
66	The ocular secretory immune system of the rat. Experimental Eye Research, 1985, 40, 231-238.	1.2	42
67	Effect of Growth Factors on the Proliferation and Gene Expression of Human Meibomian Gland Epithelial Cells. , 2013, 54, 2541.		42
68	Influence of Omega 3 and 6 Fatty Acids on Human Meibomian Gland Epithelial Cells. Cornea, 2016, 35, 1122-1126.	0.9	41
69	Immunocytochemical location and hormonal control of androgen receptors in lacrimal tissues of the female MRL/Mp-Ipr/Ipr mouse model of sjÃ¶gren's syndrome. Experimental Eye Research, 1995, 61, 659-666.	1.2	40
70	Can Tetracycline Antibiotics Duplicate the Ability of Azithromycin to Stimulate Human Meibomian Gland Epithelial Cell Differentiation?. Cornea, 2015, 34, 342-346.	0.9	39
71	Influence of sex on gene expression in the mouse lacrimal gland. Experimental Eye Research, 2006, 82, 13-23.	1.2	38
72	Presence and Testosterone Influence on the Levels of Anti- and Pro-Inflammatory Cytokines in Lacrimal Tissues of a Mouse Model of SjÃ¶grenâ€™s Syndrome. Advances in Experimental Medicine and Biology, 1998, 438, 485-491.	0.8	36

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73	Gender- and androgen-related influence on the expression of proto-oncogene and apoptotic factor mRNAS in lacrimal glands of autoimmune and non-autoimmune mice. Journal of Steroid Biochemistry and Molecular Biology, 1999, 71, 49-61.	1.2	35
74	Nutrient intake in women with primary and secondary SjÃ¶gren's syndrome. European Journal of Clinical Nutrition, 2003, 57, 328-334.	1.3	35
75	Dose-Dependent and Synergistic Effects of Proteoglycan 4 on Boundary Lubrication at a Human Corneaâ€“Polydimethylsiloxane Biointerface. Eye and Contact Lens, 2012, 38, 27-35.	0.8	31
76	The Effects of Insulin-like Growth Factor 1 and Growth Hormone on Human Meibomian Gland Epithelial Cells. JAMA Ophthalmology, 2014, 132, 593.	1.4	31
77	ESTROGEN-MEDIATED CONTROL OF THE SECRETORY IMMUNE SYSTEM IN THE UTERUS OF THE RAT. Annals of the New York Academy of Sciences, 1983, 409, 534-551.	1.8	30
78	Androgen Influence on Cholesterogenic Enzyme mRNA Levels in the Mouse Meibomian Gland. Current Eye Research, 2007, 32, 393-398.	0.7	30
79	Androgen regulation of gene expression in the mouse lacrimal gland. Journal of Steroid Biochemistry and Molecular Biology, 2005, 96, 401-413.	1.2	29
80	The TFOS International Workshop on Contact Lens Discomfort: Introduction. , 2013, 54, TFOS1.		29
81	Biomarkers for Progenitor and Differentiated Epithelial Cells in the Human Meibomian Gland. Stem Cells Translational Medicine, 2018, 7, 887-892.	1.6	29
82	Identification and Hormonal Control of Sex Steroid Receptors in the Eye. Advances in Experimental Medicine and Biology, 1998, 438, 95-100.	0.8	28
83	Expression of transcripts for cysteine-rich secretory proteins (CRISPs) in the murine lacrimal gland. , 1999, 178, 371-378.		28
84	Do Estrogen and Progesterone Play a Role in the Dry Eye of SjÃ¶gren's Syndrome?. Annals of the New York Academy of Sciences, 2002, 966, 223-225.	1.8	28
85	Toxicity of cosmetic preservatives on human ocular surface and adnexal cells. Experimental Eye Research, 2018, 170, 188-197.	1.2	28
86	Influence of the hypothalamic-pituitary axis on the androgen regulation of the ocular secretory immune system. The Journal of Steroid Biochemistry, 1988, 30, 429-433.	1.3	26
87	Potential therapeutic approach for the hormonal treatment of lacrimal gland dysfunction in SjÃ¶gren's syndrome. Clinical Immunology and Immunopathology, 1992, 64, 9-16.	2.1	25
88	Impact of aging and gender on the Ig-containing cell profile of the lacrimal gland. Acta Ophthalmologica, 2009, 66, 87-92.	0.6	25
89	Regulation of Leukotriene B₄Secretion by Human Corneal, Conjunctival, and Meibomian Gland Epithelial Cells. JAMA Ophthalmology, 2012, 130, 1013.	2.6	25
90	Characterization of functional melanotropin receptors in lacrimal glands of the rat. Peptides, 1990, 11, 477-483.	1.2	24

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91	Sex-Related Effect on Gene Expression in the Mouse Meibomian Gland. Current Eye Research, 2006, 31, 119-128.	0.7	24
92	Does estrogen deficiency cause lacrimal gland inflammation and aqueous-deficient dry eye in mice?. Experimental Eye Research, 2014, 127, 153-160.	1.2	23
93	Effects of Terpinen-4-ol on Meibomian Gland Epithelial Cells In Vitro. Cornea, 2020, 39, 1541-1546.	0.9	23
94	Influence of Pilocarpine and Timolol on Human Meibomian Gland Epithelial Cells. Cornea, 2017, 36, 719-724.	0.9	22
95	Toxicity of the cosmetic preservatives parabens, phenoxyethanol and chlorphenesin on human meibomian gland epithelial cells. Experimental Eye Research, 2020, 196, 108057.	1.2	22
96	Human Growth Hormone Promotes Corneal Epithelial Cell Migration in Vitro. Cornea, 2015, 34, 686-692.	0.9	21
97	Do Cyclosporine A, an IL-1 Receptor Antagonist, Uridine Triphosphate, Rebamipide, and/or Bimatoprost Regulate Human Meibomian Gland Epithelial Cells?. , 2016, 57, 4287.		20
98	Influence of sex on gene expression in human corneal epithelial cells. Molecular Vision, 2009, 15, 2554-69.	1.1	20
99	Influence of Aromatase Absence on the Gene Expression and Histology of the Mouse Meibomian Gland. , 2013, 54, 987.		18
100	Effect of brimonidine, an Î±2 adrenergic agonist, on human meibomian gland epithelial cells. Experimental Eye Research, 2018, 170, 20-28.	1.2	18
101	Sex Effects on Gene Expression in Lacrimal Glands of Mouse Models of SjÃ¶gren Syndrome. , 2018, 59, 5599.		18
102	Hypoxia: A breath of fresh air for the meibomian gland. Ocular Surface, 2019, 17, 310-317.	2.2	18
103	Epithelial cell involvement in the estradiol-stimulated accumulation of IgA in the rat uterus. The Journal of Steroid Biochemistry, 1983, 19, 469-474.	1.3	16
104	Characterization of ocular gland morphology and tear composition of pinnipeds. Veterinary Ophthalmology, 2013, 16, 269-275.	0.6	16
105	Short Tandem Repeat (STR) Profiles of Commonly Used Human Ocular Surface Cell Lines. Current Eye Research, 2018, 43, 1097-1101.	0.7	16
106	Testosterone Influence on Gene Expression in Lacrimal Glands of Mouse Models of SjÃ¶gren Syndrome. , 2019, 60, 2181.		15
107	Effect of Estradiol and Progesterone on the Secretory Immune System in the Female Genital Tract. Advances in Experimental Medicine and Biology, 1982, 138, 99-111.	0.8	15
108	Growth Hormone Influence on the Morphology and Size of the Mouse Meibomian Gland. Journal of Ophthalmology, 2016, 2016, 1-7.	0.6	14

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109	Influence of lipopolysaccharide on proinflammatory gene expression in human corneal, conjunctival and meibomian gland epithelial cells. Ocular Surface, 2018, 16, 382-389.	2.2	14
110	Impact of aromatase absence on murine intraocular pressure and retinal ganglion cells. Scientific Reports, 2018, 8, 3280.	1.6	14
111	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets. , 2018, 59, 629.		14
112	Ocular Mucosal Immunity. , 1994, , 569-597.		14
113	T cell populations in the lacrimal gland during aging. Acta Ophthalmologica, 1988, 66, 490-497.	0.6	13
114	Dihydrotestosterone suppression of proinflammatory gene expression in human meibomian gland epithelial cells. Ocular Surface, 2020, 18, 199-205.	2.2	13
115	Effect of sialodacryoadenitis virus exposure on acinar epithelial cells from the rat lacrimal gland. Ocular Immunology and Inflammation, 1997, 5, 181-195.	1.0	11
116	TFOS European Ambassador meeting: Unmet needs and future scientific and clinical solutions for ocular surface diseases. Ocular Surface, 2020, 18, 936-962.	2.2	11
117	The Effect of Solithromycin, a Cationic Amphiphilic Drug, on the Proliferation and Differentiation of Human Meibomian Gland Epithelial Cells. Current Eye Research, 2018, 43, 683-688.	0.7	10
118	Type I Interferon Signaling Is Required for Dacryoadenitis in the Nonobese Diabetic Mouse Model of SjÃ¶gren Syndrome. International Journal of Molecular Sciences, 2018, 19, 3259.	1.8	10
119	Androgen-Induced Suppression of Autoimmune Disease in Lacrimal Glands of Mouse Models of SjÃ¶grenâ€™s Syndrome. Advances in Experimental Medicine and Biology, 1994, 350, 683-690.	0.8	10
120	2. Contact lens care and ocular surface homeostasis. Contact Lens and Anterior Eye, 2013, 36, S9-S13.	0.8	9
121	The Role of Hypoxia-Inducible Factor 1Î± in the Regulation of Human Meibomian Gland Epithelial Cells. , 2020, 61, 1.		9
122	ESTRADIOL REGULATION OF SECRETORY COMPONENT IN THE RAT UTERUS. Annals of the New York Academy of Sciences, 1983, 409, 882-884.	1.8	7
123	Comparative influence of differentiation and proliferation on gene expression in human meibomian gland epithelial cells. Experimental Eye Research, 2021, 205, 108452.	1.2	7
124	Influence of testosterone on gene expression in the ovariectomized mouse submandibular gland. European Journal of Oral Sciences, 2006, 114, 328-336.	0.7	5
125	Are BALB/c Mice Relevant Models for Understanding Sex-Related Differences in Gene Expression in the Human Meibomian Gland?. Cornea, 2019, 38, 1554-1562.	0.9	5
126	Comparative Efficacy of Androgen Analogues in Suppressing Lacrimal Gland Inflammation in a Mouse Model (MRL/lpr) of SjÃ¶grenâ€™s Syndrome. Advances in Experimental Medicine and Biology, 1994, 350, 697-700.	0.8	5

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127	Do Genetic Alterations in Sex Steroid Receptors Contribute to Lacrimal Gland Disease in Sjogren`s Syndrome?. The Open Endocrinology Journal, 2009, 3, 5-11.	0.1	5
128	Expression of Lubricin in the Human Amniotic Membrane. Cornea, 2020, 39, 118-121.	0.9	4
129	TFOS: Unique challenges and unmet needs for the management of ocular surface diseases throughout the world. Ocular Surface, 2021, 22, 242-244.	2.2	4
130	Ocular Mucosal Immunity. , 2005, , 1477-1496.		4
131	Neural-Endocrine Control of Secretory Component Synthesis by Lacrimal Gland Acinar Cells: Specificity, Temporal Characteristics and Molecular Basis. Advances in Experimental Medicine and Biology, 1994, 350, 175-180.	0.8	3
132	Androgen Regulation of Secretory Component mRNA Levels in the Rat Lacrimal Gland. Advances in Experimental Medicine and Biology, 1994, 350, 219-224.	0.8	3
133	The Carbonic Anhydrase Inhibitor Dorzolamide Stimulates the Differentiation of Human Meibomian Gland Epithelial Cells. Current Eye Research, 2020, 45, 1604-1610.	0.7	3
134	Ocular Manifestations of Chordin-like 1 Knockout Mice. Cornea, 2020, 39, 1145-1150.	0.9	2
135	The scientific dry eye disease journey: From the beginning to the end of the beginning. Contact Lens and Anterior Eye, 2018, 41, 1-4.	0.8	0
136	Mouse Meibomian Gland Dysfunction Model. , 2020, 61, 18.		0
137	Influence of the Endocrine Environment on Herpes Virus Infection in Rat Lacrimal Gland Acinar Cells. Advances in Experimental Medicine and Biology, 1994, 350, 189-192.	0.8	0
138	Androgen Regulation of Ocular Mucosal- and Auto-Immunity. , 1994, , 213-222.		0
139	How to choose and conduct a research project: some advice for young investigators. Arquivos Brasileiros De Oftalmologia, 2019, 82, 1.	0.2	0
140	EPITHELIAL CELL INVOLVEMENT IN THE ESTRADIOL-STIMULATED ACCUMULATION OF IgA IN THE RAT UTERUS. , 1983, , 469-474.		0