Julie T Daniels

List of Publications by Year
in descending order

106	5,689	93792	97045
papers	citations	39 h-index	71 g-index

108	108	108	5182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Delivering Endothelial Keratoplasty Grafts: Modern Day Transplant Devices. Current Eye Research, 2022, 47, 493-504.	0.7	7
2	Human Oral Mucosal Fibroblasts from Limbal Stem Cell Deficient Patients as an Autologous Feeder Layer for Epithelial Cell Culture. Current Eye Research, 2022, , 1-10.	0.7	1
3	Biomaterials for corneal endothelial cell culture and tissue engineering. Journal of Tissue Engineering, 2021, 12, 204173142199053.	2.3	32
4	The impact of biomechanics on corneal endothelium tissue engineering. Experimental Eye Research, 2021, 209, 108690.	1.2	5
5	Challenges in corneal endothelial cell culture. Regenerative Medicine, 2021, 16, 871-891.	0.8	17
6	A validated porcine corneal organ culture model to study the limbal response to corneal epithelial injury. Experimental Eye Research, 2020, 197, 108063.	1.2	7
7	The limbus: Structure and function. Experimental Eye Research, 2020, 197, 108074.	1.2	21
8	Oral Mucosa Tissue Equivalents for the Treatment of Limbal Stem Cell Deficiency. Advanced Biology, 2020, 4, 1900265.	3.0	5
9	Canine Corneal Stromal Cells Have Multipotent Mesenchymal Stromal Cell Properties In Vitro. Stem Cells and Development, 2020, 29, 425-439.	1.1	10
10	Reappearance of limbal pigmentation post-simple limbal epithelial transplant. Indian Journal of Ophthalmology, 2020, 68, 927.	0.5	3
11	Phase 1 clinical study of an embryonic stem cellâ€“derived retinal pigment epithelium patch in age-related macular degeneration. Nature Biotechnology, 2018, 36, 328-337.	9.4	507
12	Controlling human corneal stromal stem cell contraction to mediate rapid cell and matrix organization of real architecture for 3-dimensional tissue equivalents. Acta Biomaterialia, 2018, 67, 229-237.	4.1	18
13	Development of a conjunctival tissue substitute on the basis of plastic compressed collagen. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 896-904.	1.3	29
14	Regulatory requirements in the good manufacturing practice production of an epithelial cell graft for ocular surface reconstruction. Regenerative Medicine, 2016, 11, 307-320.	0.8	5
15	Anatomical Features and Cell-Cell Interactions inÂthe Human Limbal Epithelial Stem Cell Niche. Ocular Surface, 2016, 14, 322-330.	2.2	79
16	Human-derived feeder fibroblasts for the culture of epithelial cells for clinical use. Regenerative Medicine, 2016, 11, 529-543.	0.8	13
17	Autosomal-Dominant Corneal Endothelial Dystrophies CHED1 and PPCD1 Are Allelic Disorders Caused by Non-coding Mutations in the Promoter of OVOL2. American Journal of Human Genetics, 2016, 98, 75-89.	2.6	70
18	Visionary stem-cell therapies. Nature, 2016, 531, 309-310.	13.7	4

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19	Comparison of functional limbal epithelial stem cell isolation methods. Experimental Eye Research, 2016, 146, 83-94.	1.2	23
20	Recreating the Human Limbal Epithelial Stem Cell Niche with Bioengineered Limbal Crypts. Current Eye Research, 2016, 41, 1153-1160.	0.7	31
21	Mini-Review: Limbal Stem Cells Deficiency in Companion Animals: Time to Give Something Back?. Current Eye Research, 2016, 41, 425-432.	0.7	18
22	Aldehyde dehydrogenase inhibition blocks mucosal fibrosis in human and mouse ocular scarring. JCI Insight, 2016, 1, e87001.	2.3	42
23	Human corneal stromal stem cells support limbal epithelial cells cultured on RAFT tissue equivalents. Scientific Reports, 2015, 5, 16186.	1.6	53
24	Tissue Engineering the Cornea: The Evolution of RAFT. Journal of Functional Biomaterials, 2015, 6, 50-65.	1.8	57
25	Functional Limbal Epithelial Cells Can Be Successfully Isolated From Organ Culture Rims Following Long-Term Storage. , 2015, 56, 3531.		7
26	Limbal Fibroblasts Maintain Normal Phenotype in 3D RAFT Tissue Equivalents Suggesting Potential for Safe Clinical Use in Treatment of Ocular Surface Failure. Tissue Engineering - Part C: Methods, 2015, 21, 576-584.	1.1	10
27	Limbal melanocytes support limbal epithelial stem cells in 2D and 3D microenvironments. Experimental Eye Research, 2015, 138, 70-79.	1.2	53
28	Optimization of optical and mechanical properties of real architecture for 3-dimensional tissue equivalents: Towards treatment of limbal epithelial stem cell deficiency. Acta Biomaterialia, 2015, 24, 241-250.	4.1	27
29	Culture and Characterization of Oral Mucosal Epithelial Cells on a Fibrin Gel for Ocular Surface Reconstruction. Current Eye Research, 2015, 40, 1077-1087.	0.7	21
30	Advanced Imaging and Tissue Engineering of the Human Limbal Epithelial Stem Cell Niche. Methods in Molecular Biology, 2015, 1235, 179-202.	0.4	19
31	Cell Therapy for Regeneration of the Corneal Epithelium in Aniridic Patients. , 2015, , 85-94.		0
32	Localisation of Epithelial Cells Capable of Holoclone Formation In Vitro and Direct Interaction with Stromal Cells in the Native Human Limbal Crypt. PLoS ONE, 2014, 9, e94283.	1.1	80
33	Three-Year Outcomes of Cultured Limbal Epithelial Allografts in Aniridia and Stevens-Johnson Syndrome Evaluated Using the Clinical Outcome Assessment in Surgical Trials Assessment Tool. Stem Cells Translational Medicine, 2014, 3, 265-275.	1.6	87
34	Human Corneal Stromal Stem Cells Exhibit Survival Capacity Following Isolation From Stored Organâ€“Culture Corneas. , 2014, 55, 7583.		29
35	Response of human limbal epithelial cells to wounding on 3D RAFT tissue equivalents: Effect of airlifting and human limbal fibroblasts. Experimental Eye Research, 2014, 127, 196-205.	1.2	27
36	Challenges in the development of a reference standard and potency assay for the clinical production of RAFT tissue equivalents for the cornea. Regenerative Medicine, 2014, 9, 167-177.	0.8	13

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37	Rapid tissue engineering of biomimetic human corneal limbal crypts with 3D niche architecture. Biomaterials, 2013, 34, 8860-8868.	5.7	63
38	Plastic Compressed Collagen Constructs for Ocular Cell Culture and Transplantation: A New and Improved Technique of Confined Fluid Loss. Current Eye Research, 2013, 38, 41-52.	0.7	37
39	Cultured Limbal Epithelial Stem Cell Therapy for Ocular Surface Diseases. , 2013, , 41-56.		0
40	Ex-vivo ocular surface stem cell therapies: current techniques, applications, hurdles and future directions. Expert Reviews in Molecular Medicine, 2013, 15, e4.	1.6	13
41	Effect of Connective Tissue Growth Factor on Protein Kinase Expression and Activity in Human Corneal Fibroblasts. , 2012, 53, 8076.		14
42	Characterization of the phenotype and functionality of corneal epithelial cells derived from mouse embryonic stem cells. Regenerative Medicine, 2012, 7, 167-178.	0.8	16
43	Evaluation of Human MRC-5 Cells as a Feeder Layer in a Xenobiotic-Free Culture System for Conjunctival Epithelial Progenitor Cells. Current Eye Research, 2012, 37, 1067-1074.	0.7	6
44	Plastic Compressed Collagen as a Novel Carrier for Expanded Human Corneal Endothelial Cells for Transplantation. PLoS ONE, 2012, 7, e50993.	1.1	90
45	Effect of Sub-Atmospheric Oxygen on the Culture of Rabbit Limbal Epithelial Cells. Current Eye Research, 2011, 36, 691-698.	0.7	16
46	Corneal stem cells in the eye clinic. British Medical Bulletin, 2011, 100, 209-225.	2.7	52
47	Profibrotic Phenotype of Conjunctival Fibroblasts from Mucous Membrane Pemphigoid. American Journal of Pathology, 2011, 178, 187-197.	1.9	41
48	Cytokeratin 8 Is Expressed in Human Corneoconjunctival Epithelium, Particularly in Limbal Epithelial Cells. , 2011, 52, 787.		26
49	Concise Review: Limbal Epithelial Stem Cell Therapy: Controversies and Challenges. Stem Cells, 2011, 29, 1923-1932.	1.4	80
50	The Porcine Limbal Epithelial Stem Cell Niche as a New Model for the Study of Transplanted Tissue-Engineered Human Limbal Epithelial Cells. Tissue Engineering - Part A, 2011, 17, 741-750.	1.6	33
51	Clinical Trials of Therapeutic Ocular Surface Medium for Moderate to Severe Dry Eye. Cornea, 2010, 29, 1241-1246.	0.9	12
52	IL6 and the human limbal stem cell niche: A mediator of epithelialâ€“stromal interaction. Stem Cell Research, 2010, 5, 188-200.	0.3	74
53	Stem cell therapies for ocular surface disease. Drug Discovery Today, 2010, 15, 306-313.	3.2	59
54	Plastic compressed collagen as a biomimetic substrate for human limbal epithelial cell culture. Biomaterials, 2010, 31, 7726-7737.	5.7	151

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55	Ocular surface restoration. , 2010, , 83-90.		0
56	Simulation of anin vitroniche environment that preserves conjunctival progenitor cells. Regenerative Medicine, 2010, 5, 877-889.	0.8	18
57	Characterisation and functional features of a spontaneously immortalised human corneal epithelial cell line with progenitor-like characteristics. Brain Research Bulletin, 2010, 81, 279-286.	1.4	22
58	In sickness and in health: Corneal epithelial stem cell biology, pathology and therapy. Experimental Eye Research, 2010, 90, 188-195.	1.2	100
59	Ex Vivo Cultured Limbal Epithelial Transplantation. A Clinical Perspective. Ocular Surface, 2010, 8, 80-90.	2.2	48
60	Limbal Stem Cell Transplantation: Surgical Techniques and Results. Essentials in Ophthalmology, 2010, , 53-67.	0.0	0
61	Nourish and Nurture: Development of a Nutrient Ocular Lubricant. , 2009, 50, 2932.		15
62	Tumor Necrosis Factor-Î± in Ocular Mucous Membrane Pemphigoid and Its Effect on Conjunctival Fibroblasts. , 2009, 50, 5310.		30
63	Development of a Surface-Modified Contact Lens for the Transfer of Cultured Limbal Epithelial Cells to the Cornea for Ocular Surface Diseases. Tissue Engineering - Part A, 2009, 15, 2889-2902.	1.6	74
64	Conjunctival epithelial cells maintain stem cell properties after long-term culture and cryopreservation. Regenerative Medicine, 2009, 4, 677-687.	0.8	20
65	New technologies in limbal epithelial stem cell transplantation. Current Opinion in Biotechnology, 2009, 20, 593-597.	3.3	43
66	The effect of amniotic membrane preparation method on its ability to serve as a substrate for the ex-vivo expansion of limbal epithelial cells. Biomaterials, 2009, 30, 1056-1065.	5.7	107
67	Conjunctival Interleukin-13 Expression in Mucous Membrane Pemphigoid and Functional Effects of Interleukin-13 on Conjunctival Fibroblasts in Vitro. American Journal of Pathology, 2009, 175, 2406-2415.	1.9	44
68	Tissue Engineering for Conjunctival Reconstruction: Established Methods and Future Outlooks. Current Eye Research, 2009, 34, 913-924.	0.7	71
69	Eye. Human Cell Culture, 2009, , 113-142.	0.1	0
70	Corneal Epithelial Stem Cells: Deficiency and Regulation. Stem Cell Reviews and Reports, 2008, 4, 159-168.	5.6	57
71	Biological principals and clinical potentials of limbal epithelial stem cells. Cell and Tissue Research, 2008, 331, 135-143.	1.5	38
72	TGFÎ² stimulated re-epithelialisation is regulated by CTGF and Ras/MEK/ERK signalling. Experimental Cell Research, 2008, 314, 131-142.	1.2	78

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73	Ocular regeneration by stem cells: present status and future prospects. British Medical Bulletin, 2008, 85, 47-61.	2.7	43
74	The Effect of Therapeutic Human Serum Drops on Corneal Stromal Wound-Healing Activity. Current Eye Research, 2008, 33, 641-652.	0.7	16
75	Tissue Repair and Regeneration. , 2008, , 333-366.		0
76	Ex Vivo Expansion and Transplantation of Limbal Epithelial Stem Cells. Ophthalmology, 2008, 115, 1989-1997.	2.5	170
77	Limbal Epithelial Stem Cells: Biology and Therapeutic Potential. , 2008, , 247-268.		0
78	A xenobiotic-free culture system for human limbal epithelial stem cells. Regenerative Medicine, 2007, 2, 919-927.	0.8	39
79	Limbal epithelial stem cell therapy. Expert Opinion on Biological Therapy, 2007, 7, 1-3.	1.4	34
80	Transplantation of Ex Vivo Cultured Limbal Epithelial Stem Cells: A Review of Techniques and Clinical Results. Survey of Ophthalmology, 2007, 52, 483-502.	1.7	314
81	Characterization of the Limbal Epithelial Stem Cell Niche: Novel Imaging Techniques Permit In Vivo Observation and Targeted Biopsy of Limbal Epithelial Stem Cells. Stem Cells, 2007, 25, 1402-1409.	1.4	273
82	Plasma polymer coated surfaces for serum-free culture of limbal epithelium for ocular surface disease. Journal of Materials Science: Materials in Medicine, 2007, 18, 329-338.	1.7	39
83	Stem cell therapy delivery: treading the regulatory tightrope. Regenerative Medicine, 2006, 1, 715-719.	0.8	36
84	Current Prospects for Adult Stem Cellâ€“Based Therapies in Ocular Repair and Regeneration. Current Eye Research, 2006, 31, 381-390.	0.7	40
85	Corneal epithelial stem cells in health and disease. Stem Cell Reviews and Reports, 2006, 2, 247-254.	5.6	40
86	Involvement of CTGF in TGF-Î²1â€“Stimulation of Myofibroblast Differentiation and Collagen Matrix Contraction in the Presence of Mechanical Stress. , 2004, 45, 1109.		127
87	T lymphocyte mediated lysis of mitomycin C treated Tenon's capsule fibroblasts. British Journal of Ophthalmology, 2004, 88, 399-405.	2.1	18
88	MMP inhibition prevents human lens epithelial cell migration and contraction of the lens capsule. British Journal of Ophthalmology, 2004, 88, 868-872.	2.1	59
89	Mediation of Transforming Growth Factor-Î²1-Stimulated Matrix Contraction by Fibroblasts. American Journal of Pathology, 2003, 163, 2043-2052.	1.9	105
90	Temporal and spatial expression of matrix metalloproteinases during wound healing of human corneal tissue. Experimental Eye Research, 2003, 77, 653-664.	1.2	66

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91	Matrix Metalloproteinase Inhibition Modulates Fibroblast-Mediated Matrix Contraction and Collagen Production In Vitro. , 2003, 44, 1104.		117
92	Human Corneal Epithelial Cells Require MMP-1 for HGF-Mediated Migration on Collagen I. , 2003, 44, 1048.		55
93	Differential Expression of Matrix Metalloproteinases 2 and 9 by Glial MÃ¼ller Cells. American Journal of Pathology, 2002, 160, 1847-1855.	1.9	55
94	Matrix Metalloproteinases in Disease and Repair Processes in the Anterior Segment. Survey of Ophthalmology, 2002, 47, 239-256.	1.7	120
95	Apoptosis gene expression and death receptor signaling in mitomycin-C-treated human tenon capsule fibroblasts. Investigative Ophthalmology and Visual Science, 2002, 43, 692-9.	3.3	30
96	Autologous serum eyedrops for dry eyes and epithelial defects: clinical and in vitro toxicity studies. British Journal of Ophthalmology, 2001, 85, 1188-1197.	2.1	266
97	Modulation of wound healing after glaucoma surgery. Current Opinion in Ophthalmology, 2001, 12, 143-148.	1.3	112
98	Skin and oral fibroblasts exhibit phenotypic differences in extracellular matrix reorganization and matrix metalloproteinase activity. British Journal of Dermatology, 2001, 144, 229-237.	1.4	119
99	Corneal stem cells in review. Wound Repair and Regeneration, 2001, 9, 483-494.	1.5	182
100	Modulating conjunctival wound healing. Eye, 2000, 14, 536-547.	1.1	76
101	Matrix Metalloproteinases in Sterile Corneal Melts. Annals of the New York Academy of Sciences, 1999, 878, 571-574.	1.8	34
102	Effects of Antimetabolite Induced Cellular Growth Arrest on Fibroblast-Fibroblast Interactions. Experimental Eye Research, 1999, 69, 117-127.	1.2	37
103	Understanding and controlling the scarring response: The contribution of histology and microscopy. , 1998, 42, 317-333.		21
104	An investigation into the potential of extracellular matrix factors for attachment and proliferation of human keratinocytes on skin substitutes. Burns, 1997, 23, 26-31.	1.1	15
105	Human keratinocyte isolation and cell culture: a survey of current practices in the UK. Burns, 1996, 22, 35-39.	1.1	34
106	Calcium: a crucial consideration in serum-free keratinocyte culture. Experimental Dermatology, 1995, 4, 183-191.	1.4	17