

Damien G Harkin

List of Publications by Year in Descending Order

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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.

65
papers

1,859
citations

25
h-index

41
g-index

68
ext. papers

1,996
ext. citations

4.6
avg, IF

4.5
L-index

#	Paper	IF	Citations
65	Label-free imaging of the kinetics of round-shaped immune cells in the human cornea using in vivo confocal microscopy. <i>Clinical and Experimental Ophthalmology</i> , 2021 , 49, 628-630	2.4	1
64	Growth of Human and Sheep Corneal Endothelial Cell Layers on Biomaterial Membranes. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	1
63	Exploring the potential for mergers and strategic partnerships within the Australian higher education system through the application of Value Nets. <i>Journal of Higher Education Policy and Management</i> , 2020 , 42, 458-477	2.1	
62	Stromal cells cultivated from the choroid of human eyes display a mesenchymal stromal cell (MSC) phenotype and inhibit the proliferation of choroidal vascular endothelial cells in vitro. <i>Experimental Eye Research</i> , 2020 , 200, 108201	3.7	2
61	Optimization of silk fibroin membranes for retinal implantation. <i>Materials Science and Engineering C</i> , 2019 , 105, 110131	8.3	8
60	The Impact of Limbal Mesenchymal Stromal Cells on Healing of Acute Ocular Surface Wounds Is Improved by Pre-cultivation and Implantation in the Presence of Limbal Epithelial Cells. <i>Cell Transplantation</i> , 2019 , 28, 1257-1270	4	3
59	A potential role for Eph receptor signalling during migration of corneal endothelial cells. <i>Experimental Eye Research</i> , 2018 , 170, 92-100	3.7	6
58	Cultivation of corneal endothelial cells from sheep. <i>Experimental Eye Research</i> , 2018 , 173, 24-31	3.7	1
57	The current state of stem cell therapy for ocular disease. <i>Experimental Eye Research</i> , 2018 , 177, 65-75	3.7	13
56	Demonstration of P-selectin expression and potential function in human corneal epithelial cells. <i>Experimental Eye Research</i> , 2018 , 176, 196-206	3.7	5
55	Characterization of Human iPSC-RPE on a Prosthetic Bruch's Membrane Manufactured From Silk Fibroin 2018 , 59, 2792-2800		21
54	A Bruch's membrane substitute fabricated from silk fibroin supports the function of retinal pigment epithelial cells in vitro. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1915-1924	4.4	22
53	Nature and incidence of severe limbal stem cell deficiency in Australia and New Zealand. <i>Clinical and Experimental Ophthalmology</i> , 2017 , 45, 174-181	2.4	19
52	Mounting of Biomaterials for Use in Ophthalmic Cell Therapies. <i>Cell Transplantation</i> , 2017 , 26, 1717-1734		7
51	Evaluation of the AlgerBrush II rotating burr as a tool for inducing ocular surface failure in the New Zealand White rabbit. <i>Experimental Eye Research</i> , 2016 , 147, 1-11	3.7	8
50	Optimization of Corneal Epithelial Progenitor Cell Growth on Bombyx mori Silk Fibroin Membranes. <i>Stem Cells International</i> , 2016 , 2016, 8310127	5	5
49	The use of mesenchymal stromal cells in the treatment of diseases of the cornea 2016 , 524-543		

48	Isolation of microvascular endothelial cells from cadaveric corneal limbus. <i>Experimental Eye Research</i> , 2015 , 131, 20-8	3.7	4
47	Concise reviews: can mesenchymal stromal cells differentiate into corneal cells? A systematic review of published data. <i>Stem Cells</i> , 2015 , 33, 785-91	5.8	47
46	Treatment of Silk Fibroin with Poly(ethylene glycol) for the Enhancement of Corneal Epithelial Cell Growth. <i>Journal of Functional Biomaterials</i> , 2015 , 6, 345-66	4.8	28
45	Incorporation of Human Recombinant Tropoelastin into Silk Fibroin Membranes with the View to Repairing Bruch's Membrane. <i>Journal of Functional Biomaterials</i> , 2015 , 6, 946-62	4.8	11
44	Immunosuppressive properties of mesenchymal stromal cell cultures derived from the limbus of human and rabbit corneas. <i>Cytherapy</i> , 2014 , 16, 64-73	4.8	42
43	Serial explant culture provides novel insights into the potential location and phenotype of corneal endothelial progenitor cells. <i>Experimental Eye Research</i> , 2014 , 127, 9-13	3.7	20
42	Assessment of freestanding membranes prepared from <i>Antheraea pernyi</i> silk fibroin as a potential vehicle for corneal epithelial cell transplantation. <i>Biomedical Materials (Bristol)</i> , 2014 , 9, 025016	3.5	17
41	GABAergic agents modify the response of chick scleral fibroblasts to myopic and hyperopic eye cup tissues. <i>Current Eye Research</i> , 2014 , 39, 172-87	2.9	11
40	Recent advances in the design of artificial corneas. <i>Current Opinion in Ophthalmology</i> , 2014 , 25, 240-7	5.1	29
39	Evaluation of silk sericin as a biomaterial: in vitro growth of human corneal limbal epithelial cells on <i>Bombyx mori</i> sericin membranes. <i>Progress in Biomaterials</i> , 2013 , 2, 14	4.4	36
38	Evaluation of Eph receptor and ephrin expression within the human cornea and limbus. <i>Experimental Eye Research</i> , 2013 , 107, 110-20	3.7	8
37	Comparative effects of posterior eye cup tissues from myopic and hyperopic chick eyes on cultured scleral fibroblasts. <i>Experimental Eye Research</i> , 2013 , 107, 11-20	3.7	9
36	Current status and future prospects for cultured limbal tissue transplants in Australia and New Zealand. <i>Clinical and Experimental Ophthalmology</i> , 2013 , 41, 272-81	2.4	8
35	Fabrication of a corneal-limbal tissue substitute using silk fibroin. <i>Methods in Molecular Biology</i> , 2013 , 1014, 165-78	1.4	10
34	Effect of the sterilization method on the properties of <i>Bombyx mori</i> silk fibroin films. <i>Materials Science and Engineering C</i> , 2013 , 33, 668-74	8.3	23
33	Incorporation of Exogenous RGD Peptide and Inter-Species Blending as Strategies for Enhancing Human Corneal Limbal Epithelial Cell Growth on <i>Bombyx mori</i> Silk Fibroin Membranes. <i>Journal of Functional Biomaterials</i> , 2013 , 4, 74-88	4.8	29
32	A dual-layer silk fibroin scaffold for reconstructing the human corneal limbus. <i>Biomaterials</i> , 2012 , 33, 3529-38	15.6	83
31	The cultivation of human retinal pigment epithelial cells on <i>Bombyx mori</i> silk fibroin. <i>Biomaterials</i> , 2012 , 33, 4110-7	15.6	66

30	Evaluation of methods for cultivating limbal mesenchymal stromal cells. <i>Cytherapy</i> , 2012 , 14, 936-47	4.8	26
29	Silk fibroin in ocular surface reconstruction: what is its potential as a biomaterial in ophthalmics?. <i>Future Medicinal Chemistry</i> , 2012 , 4, 2145-7	4.1	11
28	Effects of fibroblast origin and phenotype on the proliferative potential of limbal epithelial progenitor cells. <i>Experimental Eye Research</i> , 2011 , 92, 10-9	3.7	36
27	Silk fibroin in ocular tissue reconstruction. <i>Biomaterials</i> , 2011 , 32, 2445-58	15.6	99
26	Human corneal endothelial cell growth on a silk fibroin membrane. <i>Biomaterials</i> , 2011 , 32, 4076-84	15.6	124
25	Human corneal epithelial equivalents constructed on Bombyx mori silk fibroin membranes. <i>Biomaterials</i> , 2011 , 32, 5086-91	15.6	124
24	Laser Doppler imaging in a paediatric burns population. <i>Burns</i> , 2009 , 35, 824-31	2.3	24
23	Discovery and characterization of IGFBP-mediated endocytosis in the human retinal pigment epithelial cell line ARPE-19. <i>Experimental Eye Research</i> , 2009 , 89, 629-37	3.7	9
22	Vitronectin: growth factor complexes hold potential as a wound therapy approach. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1535-44	4.3	69
21	Bombyx mori silk fibroin membranes as potential substrata for epithelial constructs used in the management of ocular surface disorders. <i>Tissue Engineering - Part A</i> , 2008 , 14, 1203-11	3.9	117
20	PHEMA hydrogels modified through the grafting of phosphate groups by ATRP support the attachment and growth of human corneal epithelial cells. <i>Journal of Biomaterials Applications</i> , 2008 , 23, 147-68	2.9	27
19	Bombyx mori Silk Fibroin Membranes as Potential Substrata for Epithelial Constructs Used in the Management of Ocular Surface Disorders. <i>Tissue Engineering - Part A</i> , 2008 , 080422095744451	3.9	1
18	Mathematical modelling of aerosolised skin grafts incorporating keratinocyte clonal subtypes. <i>Bulletin of Mathematical Biology</i> , 2007 , 69, 157-79	2.1	14
17	Silk as Substratum for Cell Attachment and Proliferation. <i>Materials Science Forum</i> , 2007 , 561-565, 1549-1552	6.1	16
16	Vitronectin supports migratory responses of corneal epithelial cells to substrate bound IGF-I and HGF, and facilitates serum-free cultivation. <i>Experimental Eye Research</i> , 2006 , 83, 1505-14	3.7	17
15	Inherent risks associated with manufacture of bioengineered ocular surface tissue. <i>JAMA Ophthalmology</i> , 2006 , 124, 1734-40		84
14	Preparation of cultured skin for transplantation using insulin-like growth factor I in conjunction with insulin-like growth factor binding protein 5, epidermal growth factor, and vitronectin. <i>Transplantation</i> , 2006 , 81, 1668-76	1.8	31
13	Optimized delivery of skin keratinocytes by aerosolization and suspension in fibrin tissue adhesive. <i>Wound Repair and Regeneration</i> , 2006 , 14, 354-63	3.6	23

12	Responses of keratinocytes to substrate-bound vitronectin: growth factor complexes. <i>Experimental Cell Research</i> , 2005 , 305, 221-32	4.2	33
11	Insulin-like growth factors (IGF) and IGF-binding proteins bound to vitronectin enhance keratinocyte protein synthesis and migration. <i>Journal of Investigative Dermatology</i> , 2004 , 122, 1198-206	4.3	55
10	Neurotrophin 3 promotes purification and proliferation of olfactory ensheathing cells from human nose. <i>Glia</i> , 2004 , 45, 111-23	9	113
9	Analysis of p63 and cytokeratin expression in a cultivated limbal autograft used in the treatment of limbal stem cell deficiency. <i>British Journal of Ophthalmology</i> , 2004 , 88, 1154-8	5.5	51
8	Phenotypic analyses of limbal epithelial cell cultures derived from donor corneoscleral rims. <i>Clinical and Experimental Ophthalmology</i> , 2001 , 29, 138-42	2.4	28
7	A novel approach to studying the migratory morphology of embryonic mesenchymal cells. <i>Biology of the Cell</i> , 2000 , 92, 537-43	3.5	4
6	Inhibition of C5a-induced neutrophil chemotaxis and macrophage cytokine production in vitro by a new C5a receptor antagonist. <i>Biochemical Pharmacology</i> , 2000 , 60, 729-33	6	54
5	Imaging of renal medullary interstitial cells in situ by confocal fluorescence microscopy. <i>Anatomy and Embryology</i> , 1999 , 200, 117-21		14
4	Effects of electroporation on the tubulin cytoskeleton and directed migration of corneal fibroblasts cultured within collagen matrices. <i>Cytoskeleton</i> , 1996 , 35, 345-57		28
3	Neutrophil polarisation in plasma differs to that induced by endogenous chemoattractants with regard to frequency of uropod formation and requirement for divalent cations. <i>Cell Biology International</i> , 1994 , 18, 177-87	4.5	5
2	Chemotaxis of polymorphonuclear leukocytes towards human pre-ovulatory follicular fluid and serum using a sparse-pore polycarbonate filtration membrane. <i>Journal of Reproductive Immunology</i> , 1994 , 27, 151-5	4.2	15
1	Comparison of techniques for the assessment of polymorphonuclear leukocyte polarisation in suspension. <i>Biology of the Cell</i> , 1993 , 79, 251-7	3.5	3