

Che J Connon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1564027/publications.pdf>

Version: 2024-02-01

94
papers

3,775
citations

117625

34
h-index

161849

54
g-index

108
all docs

108
docs citations

108
times ranked

4251
citing authors

#	ARTICLE	IF	CITATIONS
1	Amniotic Membrane as a Carrier for Cultivated Human Corneal Endothelial Cell Transplantation. , 2004, 45, 800.		295
2	3D bioprinting of a corneal stroma equivalent. Experimental Eye Research, 2018, 173, 188-193.	2.6	268
3	Transparency, swelling and scarring in the corneal stroma. Eye, 2003, 17, 927-936.	2.1	194
4	Cyclodextrin-Mediated Enhancement of Riboflavin Solubility and Corneal Permeability. Molecular Pharmaceutics, 2013, 10, 756-762.	4.6	120
5	Hydrogelation of self-assembling RGD-based peptides. Soft Matter, 2011, 7, 1326-1333.	2.7	112
6	A single cell atlas of human cornea that defines its development, limbal progenitor cells and their interactions with the immune cells. Ocular Surface, 2021, 21, 279-298.	4.4	102
7	Plastic compression of a collagen gel forms a much improved scaffold for ocular surface tissue engineering over conventional collagen gels. Journal of Biomedical Materials Research - Part A, 2010, 95A, 447-453.	4.0	97
8	Assessment of corneal substrate biomechanics and its effect on epithelial stem cell maintenance and differentiation. Nature Communications, 2019, 10, 1496.	12.8	93
9	Expression and tissue distribution of p63 isoforms in human ocular surface epithelia. Experimental Eye Research, 2006, 82, 293-299.	2.6	80
10	Up-regulated gene expression in the conjunctival epithelium of patients with Sjögren's syndrome. Experimental Eye Research, 2003, 77, 17-26.	2.6	69
11	The variation in transparency of amniotic membrane used in ocular surface regeneration. British Journal of Ophthalmology, 2010, 94, 1057-1061.	3.9	68
12	Ex vivo expansion of limbal stem cells is affected by substrate properties. Stem Cell Research, 2012, 8, 403-409.	0.7	65
13	Alginate-Encapsulation for the Improved Hypothermic Preservation of Human Adipose-Derived Stem Cells. Stem Cells Translational Medicine, 2016, 5, 339-349.	3.3	65
14	Ex Vivo Construction of an Artificial Ocular Surface by Combination of Corneal Limbal Epithelial Cells and a Compressed Collagen Scaffold Containing Keratocytes. Tissue Engineering - Part A, 2010, 16, 2091-2100.	3.1	62
15	Self-Assembly of a Peptide Amphiphile Containing L-Carnosine and Its Mixtures with a Multilamellar Vesicle Forming Lipid. Langmuir, 2012, 28, 11599-11608.	3.5	61
16	Enhanced viability of corneal epithelial cells for efficient transport/storage using a structurally modified calcium alginate hydrogel. Regenerative Medicine, 2012, 7, 295-307.	1.7	58
17	Collagen Stimulating Effect of Peptide Amphiphile C ₁₆ -KTTKS on Human Fibroblasts. Molecular Pharmaceutics, 2013, 10, 1063-1069.	4.6	58
18	A Role for Notch Signaling in Human Corneal Epithelial Cell Differentiation and Proliferation. , 2007, 48, 3576.		55

#	ARTICLE	IF	CITATIONS
19	A Novel Alternative to Cryopreservation for the Short-Term Storage of Stem Cells for Use in Cell Therapy Using Alginate Encapsulation. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 568-576.	2.1	55
20	Scale-Up Technologies for the Manufacture of Adherent Cells. <i>Frontiers in Nutrition</i> , 2020, 7, 575146.	3.7	55
21	Photochemical cross-linking of plastically compressed collagen gel produces an optimal scaffold for corneal tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 1-8.	4.0	52
22	The mechanical properties of amniotic membrane influence its effect as a biomaterial for ocular surface repair. <i>Soft Matter</i> , 2012, 8, 8379.	2.7	51
23	New RGD-peptide amphiphile mixtures containing a negatively charged diluent. <i>Faraday Discussions</i> , 2013, 166, 381.	3.2	51
24	Self-Assembled Arginine-Capped Peptide Bolaamphiphile Nanosheets for Cell Culture and Controlled Wettability Surfaces. <i>Biomacromolecules</i> , 2015, 16, 3180-3190.	5.4	49
25	Oxidized alginate hydrogels as niche environments for corneal epithelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3393-3400.	4.0	47
26	Differential nuclear expression of Yap in basal epithelial cells across the cornea and substrates of differing stiffness. <i>Experimental Eye Research</i> , 2014, 127, 37-41.	2.6	44
27	Assessing corneal biomechanics with Brillouin spectro-microscopy. <i>Faraday Discussions</i> , 2016, 187, 415-428.	3.2	44
28	The bioactivity of composite Fmoc-RGDS-collagen gels. <i>Biomaterials Science</i> , 2014, 2, 1222-1229.	5.4	43
29	The Effects of Retinoic Acid on Human Corneal Stromal Keratocytes Cultured In Vitro Under Serum-Free Conditions. , 2013, 54, 7483.		42
30	Bioactive films produced from self-assembling peptide amphiphiles as versatile substrates for tuning cell adhesion and tissue architecture in serum-free conditions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6157.	5.8	40
31	Alanine-rich amphiphilic peptide containing the RGD cell adhesion motif: a coating material for human fibroblast attachment and culture. <i>Biomaterials Science</i> , 2014, 2, 362-369.	5.4	40
32	Low-glucose enhances keratocyte-characteristic phenotype from corneal stromal cells in serum-free conditions. <i>Scientific Reports</i> , 2015, 5, 10839.	3.3	40
33	Controlling the 3D architecture of Self-Lifting Auto-generated Tissue Equivalents (SLATEs) for optimized corneal graft composition and stability. <i>Biomaterials</i> , 2017, 121, 205-219.	11.4	40
34	New Self-Assembling Multifunctional Templates for the Biofabrication and Controlled Self-Release of Cultured Tissue. <i>Tissue Engineering - Part A</i> , 2015, 21, 1772-1784.	3.1	39
35	YAP, β -Np63, and β -Catenin Signaling Pathways Are Involved in the Modulation of Corneal Epithelial Stem Cell Phenotype Induced by Substrate Stiffness. <i>Cells</i> , 2019, 8, 347.	4.1	38
36	Towards the use of hydrogels in the treatment of limbal stem cell deficiency. <i>Drug Discovery Today</i> , 2013, 18, 79-86.	6.4	37

#	ARTICLE	IF	CITATIONS
37	<i>In vivo</i> study of the biocompatibility of a novel compressed collagen hydrogel scaffold for artificial corneas. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 1782-1787.	4.0	36
38	The Putative Chloride Channel hCLCA2 Has a Single C-terminal Transmembrane Segment. <i>Journal of Biological Chemistry</i> , 2006, 281, 29448-29454.	3.4	35
39	Template Curvature Influences Cell Alignment to Create Improved Human Corneal Tissue Equivalents. <i>Advanced Biology</i> , 2017, 1, e1700135.	3.0	34
40	Self-Assembly and Collagen-Stimulating Activity of a Peptide Amphiphile Incorporating a Peptide Sequence from Lumican. <i>Langmuir</i> , 2015, 31, 4490-4495.	3.5	33
41	Process parameters for the high-scale production of alginate-encapsulated stem cells for storage and distribution throughout the cell therapy supply chain. <i>Process Biochemistry</i> , 2017, 59, 289-296.	3.7	33
42	4D Corneal Tissue Engineering: Achieving Time-Dependent Tissue Self-Curvature through Localized Control of Cell Actuators. <i>Advanced Functional Materials</i> , 2019, 29, 1807334.	14.9	33
43	The Biomechanics of Amnion Rupture: An X-Ray Diffraction Study. <i>PLoS ONE</i> , 2007, 2, e1147.	2.5	33
44	Persistent Haze and Disorganization of Anterior Stromal Collagen Appear Unrelated Following Phototherapeutic Keratectomy. <i>Journal of Refractive Surgery</i> , 2003, 19, 323-332.	2.3	31
45	Calcium-activated Chloride Channel-2 in Human Epithelia. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 415-418.	2.5	28
46	Pathological keratinisation in the conjunctival epithelium of Sjögren's syndrome. <i>Experimental Eye Research</i> , 2006, 82, 371-378.	2.6	28
47	Gamma-irradiated human amniotic membrane decellularised with sodium dodecyl sulfate is a more efficient substrate for the ex vivo expansion of limbal stem cells. <i>Acta Biomaterialia</i> , 2017, 61, 124-133.	8.3	28
48	Organization of corneal collagen fibrils during the healing of trephined wounds in rabbits. <i>Wound Repair and Regeneration</i> , 2003, 11, 71-78.	3.0	27
49	The Persistence of Transplanted Amniotic Membrane in Corneal Stroma. <i>American Journal of Ophthalmology</i> , 2006, 141, 190-192.	3.3	27
50	Differentiation Status of Limbal Epithelial Cells Cultured on Intact and Denuded Amniotic Membrane Before and After Air-Lifting. <i>Tissue Engineering - Part A</i> , 2010, 16, 2721-2729.	3.1	26
51	Peptide Amphiphiles in Corneal Tissue Engineering. <i>Journal of Functional Biomaterials</i> , 2015, 6, 687-707.	4.4	26
52	Gene expression and immunolocalisation of a calcium-activated chloride channel during the stratification of cultivated and developing corneal epithelium. <i>Cell and Tissue Research</i> , 2006, 323, 177-182.	2.9	25
53	Slow-Release RGD-Peptide Hydrogel Monoliths. <i>Langmuir</i> , 2012, 28, 12575-12580.	3.5	25
54	Spatial and temporal alterations in the collagen fibrillar array during the onset of transparency in the avian cornea. <i>Experimental Eye Research</i> , 2004, 78, 909-915.	2.6	23

#	ARTICLE	IF	CITATIONS
55	Self-assembly and bioactivity of a polymer/peptide conjugate containing the RGD cell adhesion motif and PEG. <i>European Polymer Journal</i> , 2013, 49, 2961-2967.	5.4	22
56	Keratoconus at a Molecular Level: A Review. <i>Anatomical Record</i> , 2020, 303, 1680-1688.	1.4	22
57	Investigation of K14/K5 as a Stem Cell Marker in the Limbal Region of the Bovine Cornea. <i>PLoS ONE</i> , 2010, 5, e13192.	2.5	21
58	The Formation of a Tissue-Engineered Cornea Using Plastically Compressed Collagen Scaffolds and Limbal Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1014, 143-155.	0.9	20
59	Influence of elastase on alanine-rich peptide hydrogels. <i>Biomaterials Science</i> , 2014, 2, 867-874.	5.4	20
60	Self-assembly of a dual functional bioactive peptide amphiphile incorporating both matrix metalloprotease substrate and cell adhesion motifs. <i>Soft Matter</i> , 2015, 11, 3115-3124.	2.7	20
61	The Structure and Swelling of Corneal Scar Tissue in Penetrating Full-Thickness Wounds. <i>Cornea</i> , 2004, 23, 165-171.	1.7	18
62	Tissue Engineering a Fetal Membrane. <i>Tissue Engineering - Part A</i> , 2012, 18, 373-381.	3.1	18
63	A flow system for the on-line quantitative measurement of the retention of dosage forms on biological surfaces using spectroscopy and image analysis. <i>International Journal of Pharmaceutics</i> , 2012, 428, 96-102.	5.2	18
64	Application of retinoic acid improves form and function of tissue engineered corneal construct. <i>Organogenesis</i> , 2015, 11, 122-136.	1.2	17
65	Bio-fabrication and physiological self-release of tissue equivalents using smart peptide amphiphile templates. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 242.	3.6	17
66	Mesenchymal stromal cells for ocular surface repair. <i>Expert Opinion on Biological Therapy</i> , 2019, 19, 643-653.	3.1	17
67	Approaches to Corneal Tissue Engineering: Top-down or Bottom-up?. <i>Procedia Engineering</i> , 2015, 110, 15-20.	1.2	16
68	Supra-molecular assembly of a lumican-derived peptide amphiphile enhances its collagen-stimulating activity. <i>Biomaterials Science</i> , 2016, 4, 346-354.	5.4	16
69	Proteoglycan Alterations and Collagen Reorganisation in the Secondary Avian Cornea during Development. <i>Ophthalmic Research</i> , 2003, 35, 177-184.	1.9	15
70	The Secretome of Alginate-Encapsulated Limbal Epithelial Stem Cells Modulates Corneal Epithelial Cell Proliferation. <i>PLoS ONE</i> , 2013, 8, e70860.	2.5	15
71	A self-assembling fluorescent dipeptide conjugate for cell labelling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 137, 104-108.	5.0	15
72	Developing a Continuous Bioprocessing Approach to Stromal Cell Manufacture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41131-41142.	8.0	14

#	ARTICLE	IF	CITATIONS
73	The quantification of hCLCA2 and colocalisation with integrin $\alpha 4$ in stratified human epithelia. <i>Acta Histochemica</i> , 2005, 106, 421-425.	1.8	13
74	Influence of substrate on corneal epithelial cell viability within ocular surface models. <i>Experimental Eye Research</i> , 2012, 101, 97-103.	2.6	13
75	Milliscale Substrate Curvature Promotes Myoblast Self-Organization and Differentiation. <i>Advanced Biology</i> , 2021, 5, e2000280.	2.5	13
76	Persistent haze and disorganization of anterior stromal collagen appear unrelated following phototherapeutic keratectomy. <i>Journal of Refractive Surgery</i> , 2003, 19, 323-32.	2.3	13
77	Tissuepatch is biocompatible and seals iatrogenic membrane defects in a rabbit model. <i>Prenatal Diagnosis</i> , 2018, 38, 99-105.	2.3	11
78	Alginate encapsulated multipotent adult progenitor cells promote corneal stromal cell activation via release of soluble factors. <i>PLoS ONE</i> , 2018, 13, e0202118.	2.5	10
79	Encapsulation of human limbus-derived stromal/mesenchymal stem cells for biological preservation and transportation in extreme Indian conditions for clinical use. <i>Scientific Reports</i> , 2019, 9, 16950.	3.3	9
80	Biomechanical Modulation Therapy—A Stem Cell Therapy Without Stem Cells for the Treatment of Severe Ocular Burns. <i>Translational Vision Science and Technology</i> , 2020, 9, 5.	2.2	9
81	Keeping cells in their place: the future of stem cell encapsulation. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 1181-1183.	3.1	8
82	Alginate in corneal tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2022, , .	3.3	8
83	Effects of Gelatin Methacrylate Hydrogel on Corneal Repair and Regeneration in Rats. <i>Translational Vision Science and Technology</i> , 2021, 10, 25.	2.2	8
84	Proteoglycan alterations in the rabbit corneal stroma after a lamellar incision. <i>Journal of Cataract and Refractive Surgery</i> , 2003, 29, 821-824.	1.5	7
85	Hypothermally Stored Adipose-Derived Mesenchymal Stromal Cell Alginate Bandages Facilitate Use of Paracrine Molecules for Corneal Wound Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5849.	4.1	6
86	Use of biomaterials in corneal endothelial repair. <i>Therapeutic Advances in Ophthalmology</i> , 2021, 13, 251584142110582.	1.4	5
87	P2X ₇ Receptors Are Redistributed on Human Monocytes after Pore Formation in Response to Prolonged Agonist Exposure. <i>Pharmacology</i> , 2003, 67, 163-168.	2.2	4
88	Collagen scaffolds for corneal regeneration. , 2016, , 151-177.		3
89	Limbal Epithelial Stem Cell Identification Using Immunoblotting Analysis. <i>Methods in Molecular Biology</i> , 2013, 1014, 79-99.	0.9	2
90	Response of human oral mucosal epithelial cells to different storage temperatures: A structural and transcriptional study. <i>PLoS ONE</i> , 2020, 15, e0243914.	2.5	2

#	ARTICLE	IF	CITATIONS
91	Cell Therapy in Practice. , 2016, , 211-236.		1
92	Autogenous Biofabrication of Nativelike, Scaffold-Free Human Skin Equivalent Using a Smart, Enzyme-Degradable Tissue Templating Coating. ACS Applied Bio Materials, 2019, 2, 838-847.	4.6	1
93	Effect of isolation method on human corneal stromal cell behaviour. Experimental Eye Research, 2021, 203, 108400.	2.6	1
94	The Instructive Role of Biomaterials in Cell-Based Therapy and Tissue Engineering. RSC Soft Matter, 2014, , 73-94.	0.4	0