

# May Griffith

## List of Publications by Year in descending order

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175  
papers

8,001  
citations

43973

48  
h-index

58464

82  
g-index

185  
all docs

185  
docs citations

185  
times ranked

8044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Recombinant Human Collagen Type I Hydrogels for Corneal Regeneration. <i>Regenerative Engineering and Translational Medicine</i> , 2022, 8, 269-283.	1.6	14
2	Bioengineered Corneas Entering the Clinical Realm. <i>Reference Series in Biomedical Engineering</i> , 2021, , 557-587.	0.1	1
3	Mimicking biofilm formation and development: Recent progress in inÂvitro and inÂvivo biofilm models. <i>IScience</i> , 2021, 24, 102443.	1.9	114
4	Collagen analogs with phosphorylcholine are inflammation-suppressing scaffolds for corneal regeneration from alkali burns in mini-pigs. <i>Communications Biology</i> , 2021, 4, 608.	2.0	13
5	In situ Tissue Regeneration in the Cornea from Bench to Bedside. <i>Cells Tissues Organs</i> , 2021, , 1-21.	1.3	4
6	Molecular rotors as reporters for viscosity of solutions of collagen like peptides. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24545-24549.	1.3	3
7	A Liquid Hydrogel to Restore Long Term Corneal Integrity After Perforating and Non-Perforating Trauma in Feline Eyes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 773294.	2.0	2
8	LiQD Cornea: Pro-regeneration collagen mimetics as patches and alternatives to corneal transplantation. <i>Science Advances</i> , 2020, 6, .	4.7	70
9	Nanoengineering the surface of corneal implants: towards functional anti-microbial and biofilm materials. <i>RSC Advances</i> , 2020, 10, 23675-23681.	1.7	2
10	Biosynthetic alternatives for corneal transplant surgery. <i>Expert Review of Ophthalmology</i> , 2020, 15, 129-143.	0.3	16
11	Synthesis and Application of Collagens for Assembling a Corneal Implant. <i>Methods in Molecular Biology</i> , 2020, 2145, 169-183.	0.4	2
12	Bioengineered Corneas Entering the Clinical Realm. , 2020, , 1-31.		0
13	Regenerative Medicine in the Cornea. , 2019, , 1115-1129.		4
14	Activation of dendritic cells by crosslinked collagen hydrogels (artificial corneas) varies with their composition. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1528-1543.	1.3	9
15	Response to Letter to Editor "Comment on "Short peptide analogs as alternatives to collagen in pro-regenerative corneal implants" by Jangamreddy JR et al." Acta Biomaterialia, 2019, 97, 692-693.	4.1	0
16	In Vitro Cultivation of Limbal Epithelial Stem Cells on Surface-Modified Crosslinked Collagen Scaffolds. <i>Stem Cells International</i> , 2019, 2019, 1-17.	1.2	26
17	TGFâ€²1â€activated type 2 dendritic cells promote wound healing and induce fibroblasts to express tenascin c following corneal fullâ€thickness hydrogel transplantation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1507-1517.	1.3	9
18	Nanoparticles for Cornea Therapeutic Applications: Treating Herpes Simplex Viral Infections. , 2019, , 147-160.		0

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19	Biomaterials-enabled cornea regeneration in patients at high risk for rejection of donor tissue transplantation. <i>Npj Regenerative Medicine</i> , 2018, 3, 2.	2.5	76
20	Short peptide analogs as alternatives to collagen in pro-regenerative corneal implants. <i>Acta Biomaterialia</i> , 2018, 69, 120-130.	4.1	48
21	Improved antiviral properties of chain end lipophilic fucoidan-mimetic glycopolymers synthesized by RAFT polymerization. <i>European Polymer Journal</i> , 2018, 98, 285-294.	2.6	11
22	Collagen-Based Fillers as Alternatives to Cyanoacrylate Glue for the Sealing of Large Corneal Perforations. <i>Cornea</i> , 2018, 37, 609-616.	0.9	26
23	Stem Cell Therapy and Regenerative Medicine in the Cornea. <i>Fundamental Biomedical Technologies</i> , 2018, , 149-171.	0.2	0
24	Non-toxic chemically crosslinked collagen hydrogels for cell delivery. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 124, 104.	0.9	1
25	Collagen-Based Photoactive Agent for Tissue Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9265-9270.	4.0	22
26	Alternatives to eye bank native tissue for corneal stromal replacement. <i>Progress in Retinal and Eye Research</i> , 2017, 59, 97-130.	7.3	75
27	Tissue Harvesting Site and Culture Medium Affect Attachment, Growth, and Phenotype of Ex Vivo Expanded Oral Mucosal Epithelial Cells. <i>Scientific Reports</i> , 2017, 7, 674.	1.6	7
28	Electroconductive nanoengineered biomimetic hybrid fibers for cardiac tissue engineering. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2402-2406.	2.9	34
29	Mesenchymal stem cell therapy for retro-corneal membrane " A clinical challenge in full-thickness transplantation of biosynthetic corneal equivalents. <i>Acta Biomaterialia</i> , 2017, 64, 346-356.	4.1	6
30	Correction: Functionalised type-I collagen as a hydrogel building block for bio-orthogonal tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5284-5284.	2.9	0
31	Thermo-rheological responsive microcapsules for time-dependent controlled release of human mesenchymal stromal cells. <i>Biomaterials Science</i> , 2017, 5, 2241-2250.	2.6	13
32	Optimization of Storage Temperature for Retention of Undifferentiated Cell Character of Cultured Human Epidermal Cell Sheets. <i>Scientific Reports</i> , 2017, 7, 8206.	1.6	5
33	Theranostic Contact Lens for Modulation and Detection of Viral Infection Richard Newell. <i>Procedia Technology</i> , 2017, 27, 16.	1.1	1
34	Regenerative Medicine in the Cornea. <i>Current Ophthalmology Reports</i> , 2017, 5, 187-192.	0.5	3
35	Ocular applications of bioresorbable polymers"from basic research to clinical trials. , 2017, , 497-523.		1
36	Fucoidan-Mimetic Glycopolymers as Tools for Studying Molecular and Cellular Responses in Human Blood Platelets. <i>Macromolecular Bioscience</i> , 2017, 17, 1600257.	2.1	15

#	ARTICLE	IF	CITATIONS
37	Artificial Corneas. , 2017, , .		1
38	High-risk corneal allografts: A therapeutic challenge. World Journal of Transplantation, 2016, 6, 10.	0.6	32
39	3D Corneal Shape After Implantation of a Biosynthetic Corneal Stromal Substitute. , 2016, 57, 2355.		14
40	Artificial Polymeric Scaffolds as Extracellular Matrix Substitutes for Autologous Conjunctival Goblet Cell Expansion. , 2016, 57, 6134.		20
41	The Quest for Anti-inflammatory and Anti-infective Biomaterials in Clinical Translation. Frontiers in Bioengineering and Biotechnology, 2016, 4, 71.	2.0	19
42	Regenerative approaches for the cornea. Journal of Internal Medicine, 2016, 280, 276-286.	2.7	23
43	Hyperelastic Nanocellulose-Reinforced Hydrogel of High Water Content for Ophthalmic Applications. ACS Biomaterials Science and Engineering, 2016, 2, 2072-2079.	2.6	62
44	Self-assembled collagen-like-peptide implants as alternatives to human donor corneal transplantation. RSC Advances, 2016, 6, 55745-55749.	1.7	59
45	Polycaprolactone-based biomaterials for tissue engineering and drug delivery: Current scenario and challenges. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 255-265.	1.8	356
46	Functionalised type-I collagen as a hydrogel building block for bio-orthogonal tissue engineering applications. Journal of Materials Chemistry B, 2016, 4, 318-326.	2.9	59
47	Reduced cytotoxicity and enhanced bioactivity of cationic antimicrobial peptides liposomes in cell cultures and 3D epidermis model against HSV. Journal of Controlled Release, 2016, 229, 163-171.	4.8	70
48	Coloured cornea replacements with anti-infective properties: expanding the safe use of silver nanoparticles in regenerative medicine. Nanoscale, 2016, 8, 6484-6489.	2.8	74
49	Biomaterials-Enabled Regenerative Medicine in Corneal Applications. , 2016, , 97-122.		1
50	Storage Temperature Alters the Expression of Differentiation-Related Genes in Cultured Oral Keratinocytes. PLoS ONE, 2016, 11, e0152526.	1.1	8
51	Bioengineered Corneas Grafted as Alternatives to Human Donor Corneas in Three High-Risk Patients. Clinical and Translational Science, 2015, 8, 558-562.	1.5	72
52	Riboflavin-UV-A Crosslinking for Fixation of Biosynthetic Corneal Collagen Implants. Cornea, 2015, 34, 544-549.	0.9	6
53	Controlled Delivery of Human Cells by Temperature Responsive Microcapsules. Journal of Functional Biomaterials, 2015, 6, 439-453.	1.8	19
54	Effect of Storage Temperature on Structure and Function of Cultured Human Oral Keratinocytes. PLoS ONE, 2015, 10, e0128306.	1.1	9

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55	Skin Regeneration, Repair, and Reconstruction. <i>BioMed Research International</i> , 2015, 2015, 1-1.	0.9	9
56	Anti-microbiological and Anti-infective Activities of Silver. <i>Engineering Materials</i> , 2015, , 127-146.	0.3	13
57	The structural and optical properties of type III human collagen biosynthetic corneal substitutes. <i>Acta Biomaterialia</i> , 2015, 25, 121-130.	4.1	43
58	Synthesis and anticancer properties of fucoidan-mimetic glycopolymer coated gold nanoparticles. <i>Chemical Communications</i> , 2015, 51, 8532-8535.	2.2	41
59	Surface-Engineered Contact Lens as an Advanced Theranostic Platform for Modulation and Detection of Viral Infection. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25487-25494.	4.0	38
60	Safety and efficacy of composite collagen-silver nanoparticle hydrogels as tissue engineering scaffolds. <i>Nanoscale</i> , 2015, 7, 18789-18798.	2.8	83
61	Functional fabrication of recombinant human collagen-phosphorylcholine hydrogels for regenerative medicine applications. <i>Acta Biomaterialia</i> , 2015, 12, 70-80.	4.1	88
62	Cornea Regeneration as an Alternative to Human Donor Transplantation. <i>European Ophthalmic Review</i> , 2015, 09, 111.	0.3	0
63	Collagen-Based Corneal Substitutes with Incorporated Anti-infective Peptide LL37 Sustained Delivery System. <i>Oftalmologicheskii Zhurnal</i> , 2015, 53, 110-114.	0.0	0
64	Clonal Growth Capacity and Phenotype of Ex Vivo Expanded Oral Mucosal Tissue. <i>FASEB Journal</i> , 2015, 29, 1029.11.	0.2	0
65	Antiviral properties of collagen-based corneal substitute incorporating sustained delivery system for anti-infective peptide LL37. <i>Oftalmologicheskii Zhurnal</i> , 2015, 57, 42-45.	0.0	0
66	Peptide versus gene therapy: Cathelicidin LL-37 and HSV-1 corneal infection. <i>Acta Ophthalmologica</i> , 2015, 93, n/a-n/a.	0.6	0
67	Cathelicidin LL-37 and HSV-1 Corneal Infection: Peptide Versus Gene Therapy. <i>Translational Vision Science and Technology</i> , 2014, 3, 4.	1.1	46
68	Effect of Surgical Technique on Corneal Implant Performance. <i>Translational Vision Science and Technology</i> , 2014, 3, 6.	1.1	10
69	Recent advances in the design of artificial corneas. <i>Current Opinion in Ophthalmology</i> , 2014, 25, 240-247.	1.3	32
70	Polycaprolactone-thiophene-conjugated carbon nanotube meshes as scaffolds for cardiac progenitor cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 1553-1561.	1.6	42
71	Stable corneal regeneration four years after implantation of a cell-free recombinant human collagen scaffold. <i>Biomaterials</i> , 2014, 35, 2420-2427.	5.7	233
72	Corrigendum to "Corneal Regeneration Following Implantation of a Biomimetic Tissue-Engineered Substitute". <i>Clinical and Translational Science</i> , 2014, 7, 347-347.	1.5	1

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73	LL37 peptide@silver nanoparticles: combining the best of the two worlds for skin infection control. <i>Nanoscale</i> , 2014, 6, 5725-5728.	2.8	60
74	Applications of self-assembling peptide scaffolds in regenerative medicine: the way to the clinic. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8466-8478.	2.9	50
75	Synthesis and Biological Evaluation of Fucoidan-Mimetic Glycopolymers through Cyanoxyl-Mediated Free-Radical Polymerization. <i>Biomacromolecules</i> , 2014, 15, 2359-2368.	2.6	46
76	BIOMIMETIC REGENERATION OF CORNEAL TISSUE. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2014, , 1069-1088.	0.1	1
77	Autologous Fibrin Glue as an Encapsulating Scaffold for Delivery of Retinal Progenitor Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 85.	2.0	21
78	Next generation corneal implants as alternative to high risk donor transplantation. <i>Acta Ophthalmologica</i> , 2014, 92, 0-0.	0.6	1
79	The sustained delivery system of the antiinfection peptide LL37 " a potential new method of treatment of ocular infections. Report 3. Antimicrobial activity of LL37 encapsulated in silica nanoparticle. <i>Oftalmologicheskii Zhurnal</i> , 2014, 51, 4-8.	0.0	0
80	Anti-infective peptide LL37 sustained delivery system " a potential novel treatment method of ocular infections. Report 2. Antiviral properties of silica nanoparticle encapsulated LL37. <i>Oftalmologicheskii Zhurnal</i> , 2014, 49, 53-57.	0.0	0
81	Impact of Dye-Protein Interaction and Silver Nanoparticles on Rose Bengal Photophysical Behavior and Protein Photocrosslinking. <i>Photochemistry and Photobiology</i> , 2013, 89, 1433-1441.	1.3	18
82	Crosslinked collagen hydrogels as corneal implants: Effects of sterically bulky vs. non-bulky carbodiimides as crosslinkers. <i>Acta Biomaterialia</i> , 2013, 9, 7796-7805.	4.1	107
83	Fabrication of a Human Recombinant Collagen-Based Corneal Substitute Using Carbodiimide Chemistry. <i>Methods in Molecular Biology</i> , 2013, 1014, 157-164.	0.4	11
84	The Artificial Cornea. <i>Methods in Molecular Biology</i> , 2013, 1014, 45-52.	0.4	23
85	Epoxy Cross-Linked Collagen and Collagen-Laminin Peptide Hydrogels as Corneal Substitutes. <i>Journal of Functional Biomaterials</i> , 2013, 4, 162-177.	1.8	50
86	Biomaterials-Enabled Regenerative Medicine in Corneal Applications. , 2013, , 557-580.		2
87	In vivo integrity of intra-corneal bioengineered discs in rabbit models. <i>Acta Ophthalmologica</i> , 2013, 91, 0-0.	0.6	0
88	Nanoparticles incorporated collagen hydrogels for sustained release of EGF. <i>Acta Ophthalmologica</i> , 2013, 91, 0-0.	0.6	0
89	Design of xanthone propionate photolabile protecting group releasing acyclovir for the treatment of ocular herpes simplex virus. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 539-547.	1.6	5
90	Regenerative Approaches as Alternatives to Donor Allografting for Restoration of Corneal Function. <i>Ocular Surface</i> , 2012, 10, 170-183.	2.2	43

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91	Nanotechnology in stem cells research: advances and applications. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1747.	3.0	27
92	Controlled Release of Bevacizumab Through Nanospheres for Extended Treatment of Age-Related Macular Degeneration. <i>Open Ophthalmology Journal</i> , 2012, 6, 54-58.	0.1	87
93	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012, 33, 4947-4956.	5.7	200
94	Highly elastic epoxy cross-linked collagen hydrogels for corneal tissue engineering. <i>Acta Ophthalmologica</i> , 2012, 90, 0-0.	0.6	2
95	Collagen-based bioengineered substitutes of donor corneal allograft implantation: assessment and hypotheses. <i>Medical Hypothesis, Discovery, and Innovation in Ophthalmology</i> , 2012, 1, 10-3.	0.4	4
96	Cationic polymer brush grafted-nanodiamond via atom transfer radical polymerization for enhanced gene delivery and bioimaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 7755.	6.7	88
97	Fibrin Glues in Combination with Mesenchymal Stem Cells to Develop a Tissue-Engineered Cartilage Substitute. <i>Tissue Engineering - Part A</i> , 2011, 17, 323-335.	1.6	90
98	Biosynthetic corneas: prospects for supplementing the human donor cornea supply. <i>Expert Review of Medical Devices</i> , 2011, 8, 127-130.	1.4	17
99	Biosynthetic Corneal Implants for Replacement of Pathologic Corneal Tissue: Performance in a Controlled Rabbit Alkali Burn Model. , 2011, 52, 651.		62
100	Hierarchical scaffold design for mesenchymal stem cell-based gene therapy of hemophilia B. <i>Biomaterials</i> , 2011, 32, 295-305.	5.7	39
101	Regenerative Medicine in the Cornea. , 2011, , 911-924.		2
102	A stromal cell-derived factor-1 releasing matrix enhances the progenitor cell response and blood vessel growth in ischaemic skeletal muscle. , 2011, 22, 109-123.		61
103	Corneal Cell and Nerve Regeneration promoted by Biosynthetic Implants. <i>Acta Ophthalmologica</i> , 2011, 89, 0-0.	0.6	0
104	Corneal Stromal Mesenchymal Stem Cells for Corneal Stroma Reconstruction. <i>Acta Ophthalmologica</i> , 2011, 89, 0-0.	0.6	0
105	Biosynthetic Corneal Substitute Implantation in Dogs. <i>Cornea</i> , 2010, 29, 910-916.	0.9	20
106	Collagen and glycopolymer based hydrogel for potential corneal application. <i>Acta Biomaterialia</i> , 2010, 6, 187-194.	4.1	87
107	Regeneration of functional nerves within full thickness collagen-phosphorylcholine corneal substitute implants in guinea pigs. <i>Biomaterials</i> , 2010, 31, 2770-2778.	5.7	65
108	Corneal tissue engineering versus synthetic artificial corneas. , 2010, , 134-149.		3

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109	A Collagen-Phosphorylcholine Hydrogel for Endothelial Differentiation and Angiogenesis. <i>Tissue Engineering - Part A</i> , 2010, 16, 3099-3109.	1.6	139
110	Artificial Cornea. , 2010, , 128-134.		6
111	Optimal neural differentiation and extension of hybrid neuroblastoma cells (NDC) for nerve-target evaluations using a multifactorial approach. <i>Toxicology in Vitro</i> , 2010, 24, 567-577.	1.1	5
112	A Biosynthetic Alternative to Human Donor Tissue for Inducing Corneal Regeneration: 24-Month Follow-Up of a Phase 1 Clinical Study. <i>Science Translational Medicine</i> , 2010, 2, 46ra61.	5.8	311
113	Application of Chitosan-Based Biomaterials for Blood Vessel Regeneration. <i>Macromolecular Symposia</i> , 2010, 297, 138-146.	0.4	12
114	Controlled Release of Acyclovir Through Bioengineered Corneal Implants with Silica Nanoparticle Carriers. <i>The Open Tissue Engineering and Regenerative Medicine Journal</i> , 2010, 3, 10-17.	2.6	25
115	Genipin Cross-Linked Fibrin Hydrogels for in vitro Human Articular Cartilage Tissue-Engineered Regeneration. <i>Cells Tissues Organs</i> , 2009, 190, 313-325.	1.3	73
116	Fibrin Sealants from Fresh or Fresh/Frozen Plasma as Scaffolds for In Vitro Articular Cartilage Regeneration. <i>Tissue Engineering - Part A</i> , 2009, 15, 2285-2297.	1.6	30
117	Corneal Regeneration Following Implantation of a Biomimetic Tissue-Engineered Substitute. <i>Clinical and Translational Science</i> , 2009, 2, 162-164.	1.5	74
118	Surface modification of collagen-based artificial cornea for reduced endothelialization. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 755-768.	2.1	27
119	Artificial corneas: a regenerative medicine approach. <i>Eye</i> , 2009, 23, 1985-1989.	1.1	62
120	Collagen-phosphorylcholine interpenetrating network hydrogels as corneal substitutes. <i>Biomaterials</i> , 2009, 30, 1551-1559.	5.7	171
121	Synthetic neoglycopolymer-recombinant human collagen hybrids as biomimetic crosslinking agents in corneal tissue engineering. <i>Biomaterials</i> , 2009, 30, 5403-5408.	5.7	54
122	Bioengineered corneas for transplantation and in vitro toxicology. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 3326.	3.0	36
123	Tissue Engineered Models for In Vitro Studies. , 2009, , 759-772.		0
124	Alginate microsphere-collagen composite hydrogel for ocular drug delivery and implantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3365-3371.	1.7	103
125	A biomimetic scaffold for culturing limbal stem cells: a promising alternative for clinical transplantation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2008, 2, 263-271.	1.3	91
126	Recombinant human collagen for tissue engineered corneal substitutes. <i>Biomaterials</i> , 2008, 29, 1147-1158.	5.7	202



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127	PEG-stabilized carbodiimide crosslinked collagen-chitosan hydrogels for corneal tissue engineering. <i>Biomaterials</i> , 2008, 29, 3960-3972.	5.7	360
128	Corneal Regenerative Medicine: Corneal Substitutes for Transplantation. , 2008, , 37-53.		8
129	Tissue-Engineered Recombinant Human Collagen-Based Corneal Substitutes for Implantation: Performance of Type I versus Type III Collagen. , 2008, 49, 3887.		116
130	Innervation of Tissue-Engineered Recombinant Human Collagen-Based Corneal Substitutes: A Comparative In Vivo Confocal Microscopy Study. , 2008, 49, 3895.		31
131	Regeneration of Corneal Cells and Nerves in an Implanted Collagen Corneal Substitute. <i>Cornea</i> , 2008, 27, 580-589.	0.9	30
132	Regenerative Medicine in the Cornea. , 2008, , 1060-1071.		6
133	Innervation of Tissue-Engineered Corneal Implants in a Porcine Model: A 1-Year In Vivo Confocal Microscopy Study. , 2007, 48, 3537.		24
134	Characterization and Inhibition of Fibrin Hydrogel-Degrading Enzymes During Development of Tissue Engineering Scaffolds. <i>Tissue Engineering</i> , 2007, 13, 1469-1477.	4.9	80
135	Differentiation of a Fibrin Gel Encapsulated Chondrogenic Cell Line. <i>International Journal of Artificial Organs</i> , 2007, 30, 619-627.	0.7	24
136	Plasma surface modification and characterization of collagen-based artificial cornea for enhanced epithelialization. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2056-2064.	1.3	9
137	Biofunctionalization of collagen for improved biological response: Scaffolds for corneal tissue engineering. <i>Biomaterials</i> , 2007, 28, 78-88.	5.7	162
138	Immunological responses in mice to full-thickness corneal grafts engineered from porcine collagen. <i>Biomaterials</i> , 2007, 28, 3807-3814.	5.7	38
139	Properties of Porcine and Recombinant Human Collagen Matrices for Optically Clear Tissue Engineering Applications. <i>Biomacromolecules</i> , 2006, 7, 1819-1828.	2.6	81
140	Promotion of Angiogenesis in Tissue Engineering: Developing Multicellular Matrices with Multiple Capacities. <i>International Journal of Artificial Organs</i> , 2006, 29, 1148-1157.	0.7	23
141	Bioactive Hydrogel-Filament Scaffolds for Nerve Repair and Regeneration. <i>International Journal of Artificial Organs</i> , 2006, 29, 1082-1091.	0.7	30
142	Localization of candidate stem and progenitor cell markers within the human cornea, limbus, and bulbar conjunctiva in vivo and in cell culture. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006, 288A, 921-931.	2.0	27
143	Tissue-Engineered Injectable Collagen-Based Matrices for Improved Cell Delivery and Vascularization of Ischemic Tissue Using CD133+ Progenitors Expanded From the Peripheral Blood. <i>Circulation</i> , 2006, 114, I-138-I-144.	1.6	124
144	A Simple, Cross-linked Collagen Tissue Substitute for Corneal Implantation. , 2006, 47, 1869.		184

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145	Recruitment of multiple cell lines by collagen-synthetic copolymer matrices in corneal regeneration. <i>Biomaterials</i> , 2005, 26, 3093-3104.	5.7	91
146	EGF-grafted PDMS surfaces in artificial cornea applications. <i>Biomaterials</i> , 2005, 26, 7286-7296.	5.7	101
147	Enterovirus 70 Binds to Different Glycoconjugates Containing $\alpha$ 2,3-Linked Sialic Acid on Different Cell Lines. <i>Journal of Virology</i> , 2005, 79, 7087-7094.	1.5	46
148	Corneal Implantation with Collagen-Copolymer Matrices. <i>Key Engineering Materials</i> , 2005, 288-289, 389-392.	0.4	0
149	Building In Vitro Models of Organs. <i>International Review of Cytology</i> , 2005, 244, 137-173.	6.2	36
150	LBP and CD14 Secreted in Tears by the Lacrimal Glands Modulate the LPS Response of Corneal Epithelial Cells. , 2005, 46, 4235.		67
151	Tissue Engineering of the Cornea. , 2005, , 413-423.		3
152	Functional Innervation in Tissue Engineered Models for In Vitro Study and Testing Purposes. <i>Toxicological Sciences</i> , 2004, 82, 525-533.	1.4	43
153	Innervated human corneal equivalents as in vitro models for nerve-target cell interactions. <i>FASEB Journal</i> , 2004, 18, 170-172.	0.2	59
154	Cellular and nerve regeneration within a biosynthetic extracellular matrix for corneal transplantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15346-15351.	3.3	226
155	Collagen-Poly(N-Isopropylacrylamide)-Based Membranes for Corneal Stroma Scaffolds. <i>Cornea</i> , 2003, 22, S81-S88.	0.9	39
156	Bioengineered corneas: how close are we?. <i>Current Opinion in Ophthalmology</i> , 2003, 14, 192-197.	1.3	92
157	A Collagen-Based Scaffold for a Tissue Engineered Human Cornea: Physical and Physiological Properties. <i>International Journal of Artificial Organs</i> , 2003, 26, 764-773.	0.7	104
158	Human Corneal Equivalents for In Vitro Testing. , 2003, , .		0
159	Interleukin-1 $\alpha$ Released from Epithelial Cells after Adenovirus Type 37 Infection Activates Intercellular Adhesion Molecule 1 Expression on Human Vascular Endothelial Cells. <i>Journal of Virology</i> , 2002, 76, 427-431.	1.5	20
160	Artificial Human Corneas. <i>Cornea</i> , 2002, 21, S54-S61.	0.9	102
161	Human vascular endothelial cells with extended life spans: in vitro cell response, protein expression, and angiogenesis. <i>Angiogenesis</i> , 2002, 5, 21-33.	3.7	39
162	Epithelial Cell Culture. , 2002, , 131-140.		2

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163	Cornea. , 2002, , 927-941.		2
164	Title is missing!. Journal of Technology Transfer, 2001, 26, 369-384.	2.5	82
165	Retinoic acid, midkine, and defects of secondary neurulation. Teratology, 2000, 62, 123-133.	1.8	22
166	Whose Naughty or Nice: Electrophysiological Screening of Cells for Use in Tissue-Engineered Corneas. , 2000, 1, 115-120.		1
167	Phospholipid Growth Factors and Corneal Wound Healing. Annals of the New York Academy of Sciences, 2000, 905, 142-158.	1.8	30
168	Functional Human Corneal Equivalent Constructed from Cell Lines. Science, 1999, 286, 2169-2172.	6.0	432
169	Evaluation of current techniques of corneal epithelial removal in hyperopic photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1998, 24, 1070-1078.	0.7	42
170	Midkine and secondary neurulation. Teratology, 1997, 55, 213-223.	1.8	12
171	Midkine and secondary neurulation. , 1997, 55, 213.		1
172	AB022. Biosynthetic implants for corneal regeneration in patients at high risk of rejecting donor transplantation. Annals of Eye Science, 0, 4, AB022-AB022.	1.1	0
173	AB085. E-beam sterilization of recombinant human collagen-phosphorylcholine corneal implants for transplantation. Annals of Eye Science, 0, 3, AB085-AB085.	1.1	0
174	AB020. 3D scaffolds for optic nerve regeneration. Annals of Eye Science, 0, 3, AB020-AB020.	1.1	0
175	Electron-Beam Irradiated Recombinant Human Collagen-Phosphorylcholine Corneal Implants Retain Pro-Regeneration Capacity. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	5