Lucie Germain

List of Publications by Citations

200 papers	8,534 citations	44 h-index	87 g-index
216 ext. papers	9,266 ext. citations	4.1 avg, IF	5.47 L-index

#	Paper	IF	Citations
200	A completely biological tissue-engineered human blood vessel. *FASEB Journal*, **1998**, 12, 47-56	0.9	968
199	A completely biological tissue-engineered human blood vessel. *FASEB Journal*, **1998**, 12, 47-56	0.9	769
198	In vitro reconstruction of a human capillary-like network in a tissue-engineered skin equivalent. *FASEB Journal*, **1998**, 12, 1331-40	0.9	367
197	Inosculation of tissue-engineered capillaries with the hostS vasculature in a reconstructed skin transplanted on mice. *American Journal of Transplantation*, **2005**, 5, 1002-10	8.7	303
196	In vitro construction of a human blood vessel from cultured vascular cells: A morphologic study. *Journal of Vascular Surgery*, **1993**, 17, 499-509	3.5	203
195	Characterization of a new tissue-engineered human skin equivalent with hair. *In Vitro Cellular and Developmental Biology - Animal*, **1999**, 35, 318-26	2.6	172
194	Functional genomic screening identifies dual leucine zipper kinase as a key mediator of retinal ganglion cell death. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4045-50	11.5	171
193	IFATS collection: Using human adipose-derived stem/stromal cells for the production of new skin substitutes. *Stem Cells*, **2008**, 26, 2713-23	5.8	168
192	Mechanisms of wound reepithelialization: hints from a tissue-engineered reconstructed skin to long-standing questions. *FASEB Journal*, **2001**, 15, 2377-89	0.9	158
191	Reconstructed human cornea produced in vitro by tissue engineering. *Pathobiology*, **1999**, 67, 140-7	3.6	157
190	A human tissue-engineered vascular media: a new model for pharmacological studies of contractile responses. *FASEB Journal*, **2001**, 15, 515-24	0.9	140
189	Expression of heat shock proteins in mouse skin during wound healing. *Journal of Histochemistry and Cytochemistry*, **1998**, 46, 1291-301	3.4	140
188	Skin equivalent produced with human collagen. *In Vitro Cellular and Developmental Biology - Animal*, **1995**, 31, 432-9	2.6	122
187	A tissue-engineered endothelialized dermis to study the modulation of angiogenic and angiostatic molecules on capillary-like tube formation in vitro. *British Journal of Dermatology*, **2003**, 148, 1094-104	4	114
186	Extracellular matrix deposition by fibroblasts is necessary to promote capillary-like tube formation in vitro. *Journal of Cellular Physiology*, **2006**, 207, 491-8	7	107
185	Tissue-engineered skin substitutes: from in vitro constructs to in vivo applications. *Biotechnology and Applied Biochemistry*, **2004**, 39, 263-75	2.8	104
184	Can we produce a human corneal equivalent by tissue engineering?. *Progress in Retinal and Eye Research*, **2000**, 19, 497-527	20.5	104

183	Role of wound healing myofibroblasts on re-epithelialization of human skin. *Burns*, **2000**, 26, 3-12	2.3	103
182	Tissue-engineered human skin substitutes developed from collagen-populated hydrated gels: clinical and fundamental applications. *Medical and Biological Engineering and Computing*, **1998**, 36, 801-12	2.1	99
181	A novel single-step self-assembly approach for the fabrication of tissue-engineered vascular constructs. *Tissue Engineering - Part A*, **2010**, 16, 1737-47	3.9	90
180	Human wound healing fibroblasts have greater contractile properties than dermal fibroblasts. *Journal of Surgical Research*, **1994**, 57, 268-73	2.5	89
179	Surface topography induces 3D self-orientation of cells and extracellular matrix resulting in improved tissue function. *Integrative Biology (United Kingdom)*, **2009**, 1, 196-204	3.7	86
178	Reconstructed human skin produced in vitro and grafted on athymic mice. *Transplantation*, **2002**, 73, 1751-7	1.8	86
177	Modulated response to cytokines of human wound healing myofibroblasts compared to dermal fibroblasts. *Experimental Cell Research*, **1998**, 238, 283-93	4.2	85
176	Evolution of three dimensional skin equivalent models reconstructed in vitro by tissue engineering. *European Journal of Dermatology*, **2009**, 19, 107-13	0.8	82
175	Regulation of skin collagen metabolism in vitro using a pulsed 660 nm LED light source: clinical correlation with a single-blinded study. *Journal of Investigative Dermatology*, **2009**, 129, 2751-9	4.3	81
174	Human fibroblast-derived ECM as a scaffold for vascular tissue engineering. *Biomaterials*, **2012**, 33, 9205-13	7.6	74
173	Differential expression of collagens XII and XIV in human skin and in reconstructed skin. *Journal of Investigative Dermatology*, **1997**, 108, 737-42	4.3	74
172	Comparative study of bovine, porcine and avian collagens for the production of a tissue engineered dermis. *Acta Biomaterialia*, **2011**, 7, 3757-65	10.8	72
171	Tissue reorganization in response to mechanical load increases functionality. *Tissue Engineering*, **2005**, 11, 90-100		72
170	Collagen fibril network and elastic system remodeling in a reconstructed skin transplanted on nude mice. *Matrix Biology*, **2001**, 20, 463-73	11.4	71
169	Skin substitutes and wound healing. *Skin Pharmacology and Physiology*, **2009**, 22, 94-102	3	66
168	Reconstruction of a human cornea by the self-assembly approach of tissue engineering using the three native cell types. *Molecular Vision*, **2010**, 16, 2192-201	2.3	66
167	Impact of cell source on human cornea reconstructed by tissue engineering **2009**, 50, 2645-52		62
166	Characterization of wound reepithelialization using a new human tissue-engineered corneal wound healing model. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1376-85		61

165	A comparative study of bovine and porcine pericardium to highlight their potential advantages to manufacture percutaneous cardiovascular implants. *Journal of Biomaterials Applications*, **2013**, 28, 552-65	2.9	60
164	Peripheral anchorage of dermal equivalents. *British Journal of Dermatology*, **1992**, 127, 365-71	4	60
163	Fetal and adult human skin fibroblasts display intrinsic differences in contractile capacity. *Journal of Cellular Physiology*, **2001**, 188, 211-22	7	54
162	Mechanical properties of tissue-engineered vascular constructs produced using arterial or venous cells. *Tissue Engineering - Part A*, **2011**, 17, 2049-59	3.9	53
161	Regeneration of skin and cornea by tissue engineering. *Methods in Molecular Biology*, **2009**, 482, 233-56	1.4	52
160	Dynamic mechanical stimulations induce anisotropy and improve the tensile properties of engineered tissues produced without exogenous scaffolding. *Acta Biomaterialia*, **2011**, 7, 3294-301	10.8	48
159	Morphologic and functional properties of bronchial cells isolated from normal and asthmatic subjects. *American Journal of Respiratory Cell and Molecular Biology*, **1996**, 15, 312-8	5.7	48
158	Autologous transplantation of rabbit limbal epithelia cultured on fibrin gels for ocular surface reconstruction. *Molecular Vision*, **2006**, 12, 65-75	2.3	46
157	Transplantation of a tissue-engineered corneal endothelium reconstructed on a devitalized carrier in the feline model **2009**, 50, 2686-94		45
156	Irradiated human dermal fibroblasts are as efficient as mouse fibroblasts as a feeder layer to improve human epidermal cell culture lifespan. *International Journal of Molecular Sciences*, **2013**, 14, 4684-704	6.3	44
155	Corneal endothelial toxicity of air and SF6 **2011**, 52, 2279-86		44
154	Autologous bilayered self-assembled skin substitutes (SASSs) as permanent grafts: a case series of 14 severely burned patients indicating clinical effectiveness. *European Cells and Materials*, **2018**, 36, 128-141	4.3	44
153	Vibrissa hair bulge houses two populations of skin epithelial stem cells distinct by their keratin profile. *FASEB Journal*, **2008**, 22, 1404-15	0.9	43
152	Influence of sp1/sp3 expression on corneal epithelial cells proliferation and differentiation properties in reconstructed tissues. *Investigative Ophthalmology and Visual Science*, **2003**, 44, 1447-57		42
151	Normal human epithelial cells regulate the size and morphology of tissue-engineered capillaries. *Tissue Engineering - Part A*, **2010**, 16, 1457-68	3.9	41
150	Adventitia contribution in vascular tone: insights from adventitia-derived cells in a tissue-engineered human blood vessel. *FASEB Journal*, **2006**, 20, 1245-7	0.9	40
149	Tissue-engineered human vascular media produced in vitro by the self-assembly approach present functional properties similar to those of their native blood vessels. *Tissue Engineering*, **2006**, 12, 2275-81		40
148	From newborn to adult: phenotypic and functional properties of skin equivalent and human skin as a function of donor age. *Journal of Cellular Physiology*, **1997**, 171, 179-89	7	39

147	The tissue-engineered human cornea as a model to study expression of matrix metalloproteinases during corneal wound healing. *Biomaterials*, **2016**, 78, 86-101	15.6	38
146	Tissue-engineered human vascular media with a functional endothelin system. *Circulation*, **2005**, 111, 459-64	16.7	38
145	A novel approach for studying angiogenesis: a human skin equivalent with a capillary-like network. *Cell Biology and Toxicology*, **1999**, 15, 81-90	7.4	38
144	Comparison of the direct burst pressure and the ring tensile test methods for mechanical characterization of tissue-engineered vascular substitutes. *Journal of the Mechanical Behavior of Biomedical Materials*, **2014**, 34, 253-63	4.1	37
143	Tissue-engineered vascular adventitia with vasa vasorum improves graft integration and vascularization through inosculation. *Tissue Engineering - Part A*, **2010**, 16, 2617-26	3.9	37
142	Tissue engineering of feline corneal endothelium using a devitalized human cornea as carrier. *Tissue Engineering - Part A*, **2009**, 15, 1709-18	3.9	36
141	Fetal and postnatal sera differentially modulate human dermal fibroblast phenotypic and functional features in vitro. *Journal of Cellular Physiology*, **1997**, 171, 1-10	7	36
140	In vitro evaluation of the angiostatic potential of drugs using an endothelialized tissue-engineered connective tissue. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 315, 510-6	4.7	36
139	Physical characterization of the stratum corneum of an in vitro human skin equivalent produced by tissue engineering and its comparison with normal human skin by ATR-FTIR spectroscopy and thermal analysis (DSC). *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **1999**, 1439, 341-52	5	36
138	Influence of dermal equivalent maturation on the development of a cultured skin equivalent. *Biochemistry and Cell Biology*, **1992**, 70, 34-42	3.6	35
137	Restoration of the transepithelial potential within tissue-engineered human skin in vitro and during the wound healing process in vivo. *Tissue Engineering - Part A*, **2010**, 16, 3055-63	3.9	33
136	The feeder layer-mediated extended lifetime of cultured human skin keratinocytes is associated with altered levels of the transcription factors Sp1 and Sp3. *Journal of Cellular Physiology*, **2006**, 206, 831-42	7	33
135	Keratin 19 as a stem cell marker in vivo and in vitro. *Methods in Molecular Biology*, **2005**, 289, 103-10	1.4	33
134	Endothelium properties of a tissue-engineered blood vessel for small-diameter vascular reconstruction. *Journal of Vascular Surgery*, **2004**, 39, 613-20	3.5	32
133	Functional evaluation of anchored skin equivalent cultured in vitro: percutaneous absorption studies and lipid analysis. *Pharmaceutical Research*, **1995**, 12, 455-8	4.5	32
132	Improved Methods to Produce Tissue-Engineered Skin Substitutes Suitable for the Permanent Closure of Full-Thickness Skin Injuries. *BioResearch Open Access*, **2016**, 5, 320-329	2.4	31
131	Normal human Merkel cells are present in epidermal cell populations isolated and cultured from glabrous and hairy skin sites. *Journal of Investigative Dermatology*, **2003**, 120, 313-7	4.3	31
130	The type I keratin 19 possesses distinct and context-dependent assembly properties. *Journal of Biological Chemistry*, **1998**, 273, 35176-84	5.4	31

129	Cyclic traction machine for long-term culture of fibroblast-populated collagen gels. *Annals of Biomedical Engineering*, **1999**, 27, 67-72	4.7	31
128	Prospective study on the treatment of lower-extremity chronic venous and mixed ulcers using tissue-engineered skin substitute made by the self-assembly approach. *Advances in Skin and Wound Care*, **2013**, 26, 400-9	1.5	30
127	A novel cylindrical biaxial computer-controlled bioreactor and biomechanical testing device for vascular tissue engineering. *Tissue Engineering - Part A*, **2009**, 15, 3331-40	3.9	30
126	Establishment and characterization of a new cell line derived from a human primary breast carcinoma. *Cancer Genetics and Cytogenetics*, **2000**, 120, 58-72		30
125	Mechanical properties of endothelialized fibroblast-derived vascular scaffolds stimulated in a bioreactor. *Acta Biomaterialia*, **2015**, 18, 176-85	10.8	29
124	The small heat-shock protein Hsp27 undergoes ERK-dependent phosphorylation and redistribution to the cytoskeleton in response to dual leucine zipper-bearing kinase expression. *Journal of Investigative Dermatology*, **2010**, 130, 74-85	4.3	28
123	Isolation and culture of the three vascular cell types from a small vein biopsy sample. *In Vitro Cellular and Developmental Biology - Animal*, **2003**, 39, 131-9	2.6	28
122	Peptides from milk protein hydrolysates to improve the growth of human keratinocytes in culture. *International Dairy Journal*, **2004**, 14, 619-626	3.5	28
121	CULTURED EPITHELIUM ALLOGRAFTS. *Transplantation*, **1993**, 56, 259-264	1.8	28
120	Anchored skin equivalent cultured in vitro: a new tool for percutaneous absorption studies. *In Vitro Cellular and Developmental Biology - Animal*, **1993**, 29A, 834-7	2.6	28
119	The mitogen-activated protein kinase kinase kinase dual leucine zipper-bearing kinase (DLK) acts as a key regulator of keratinocyte terminal differentiation. *Journal of Biological Chemistry*, **2005**, 280, 12732-41	5.4	27
118	Role and innocuity of Tisseel, a tissue glue, in the grafting process and in vivo evolution of human cultured epidermis. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **1993**, 46, 136-42		27
117	Human adipose-derived stromal cells for the production of completely autologous self-assembled tissue-engineered vascular substitutes. *Acta Biomaterialia*, **2015**, 24, 209-19	10.8	25
116	Progress in developing a living human tissue-engineered tri-leaflet heart valve assembled from tissue produced by the self-assembly approach. *Acta Biomaterialia*, **2014**, 10, 3563-70	10.8	25
115	Grafting on nude mice of living skin equivalents produced using human collagens. *Transplantation*, **1996**, 62, 317-23	1.8	25
114	Tissue engineering of skin and cornea: Development of new models for in vitro studies. *Annals of the New York Academy of Sciences*, **2010**, 1197, 166-77	6.5	24
113	Differential binding of the transcription factors Sp1, AP-1, and NFI to the promoter of the human alpha5 integrin gene dictates its transcriptional activity **2009**, 50, 57-67		24
112	ALLOGENEIC-SYNGENEIC CULTURED EPITHELIA. *Transplantation*, **1995**, 59, 1229-1235	1.8	24

111	Hair follicles guide nerve migration in vitro and in vivo in tissue-engineered skin. *Journal of Investigative Dermatology*, **2011**, 131, 1375-8	4.3	23
110	Localization of Merkel cells at hairless and hairy human skin sites using keratin 18. *Biochemistry and Cell Biology*, **1995**, 73, 635-9	3.6	21
109	Optimization of murine keratinocyte culture for the production of graftable epidermal sheets. *Journal of Dermatology*, **1992**, 19, 325-34	1.6	21
108	Correlation between structural changes and acute thrombogenicity in transcatheter pericardium valves after crimping and balloon deployment. *Morphologie*, **2017**, 101, 19-32	0.9	20
107	Tissue-engineered skin preserving the potential of epithelial cells to differentiate into hair after grafting. *Tissue Engineering - Part A*, **2011**, 17, 819-30	3.9	20
106	Characterization of a 150 kDa accessory receptor for TGF-beta 1 on keratinocytes: direct evidence for a GPI anchor and ligand binding of the released form. *Journal of Cellular Biochemistry*, **2001**, 83, 494-507	4.7	20
105	Antiangiogenic effects of the oral administration of liquid cartilage extract in humans. *Journal of Surgical Research*, **1999**, 87, 108-13	2.5	20
104	A new construction technique for tissue-engineered heart valves using the self-assembly method. *Tissue Engineering - Part C: Methods*, **2014**, 20, 905-15	2.9	19
103	Human keratinocytes respond to direct current stimulation by increasing intracellular calcium: preferential response of poorly differentiated cells. *Journal of Cellular Physiology*, **2012**, 227, 2660-7	7	19
102	Alignment of Cells and Extracellular Matrix Within Tissue- Engineered Substitutes **2013**,		19
101	Harvesting the potential of the human umbilical cord: isolation and characterisation of four cell types for tissue engineering applications. *Cells Tissues Organs*, **2013**, 197, 37-54	2.1	18
100	The antiwrinkle effect of topical concentrated 2-dimethylaminoethanol involves a vacuolar cytopathology. *British Journal of Dermatology*, **2007**, 156, 433-9	4	18
99	Multistep production of bioengineered skin substitutes: sequential modulation of culture conditions. *In Vitro Cellular and Developmental Biology - Animal*, **2000**, 36, 96-103	2.6	18
98	TGF-beta receptor expression on human keratinocytes: a 150 kDa GPI-anchored TGF-beta1 binding protein forms a heteromeric complex with type I and type II receptors. *Journal of Cellular Biochemistry*, **1998**, 70, 573-86	4.7	17
97	Adventitia contribution to vascular contraction: hints provided by tissue-engineered substitutes. *Cardiovascular Research*, **2007**, 75, 669-78	9.9	17
96	Optimization of culture conditions for porcine corneal endothelial cells. *Molecular Vision*, **2007**, 13, 524-33	2.3	17
95	Human epithelial stem cells persist within tissue-engineered skin produced by the self-assembly approach. *Tissue Engineering - Part A*, **2013**, 19, 1023-38	3.9	16
94	Use of in vitro reconstructed skin To cover skin flap donor site. *Journal of Surgical Research*, **1997**, 73, 143-8	2.5	16

93	Specialized Living Wound Dressing Based on the Self-Assembly Approach of Tissue Engineering. *Journal of Functional Biomaterials*, **2018**, 9,	4.8	16
92	Minimal contraction for tissue-engineered skin substitutes when matured at the air-liquid interface. *Journal of Tissue Engineering and Regenerative Medicine*, **2013**, 7, 452-60	4.4	15
91	Transcriptional regulation of the human alpha6 integrin gene by the transcription factor NFI during corneal wound healing **2008**, 49, 3758-67		15
90	Mechanical loading modulates the differentiation state of vascular smooth muscle cells. *Tissue Engineering*, **2006**, 12, 3159-70		15
89	In Vivo Evaluation and Imaging of a Bilayered Self-Assembled Skin Substitute Using a Decellularized Dermal Matrix Grafted on Mice. *Tissue Engineering - Part A*, **2017**, 23, 313-322	3.9	14
88	Comparison of the pig and feline models for full thickness corneal transplantation. *Veterinary Ophthalmology*, **2011**, 14, 365-77	1.4	14
87	TENDONS AND LIGAMENTS **2000**, 711-722		14
86	Production of a Bilayered Self-Assembled Skin Substitute Using a Tissue-Engineered Acellular Dermal Matrix. *Tissue Engineering - Part C: Methods*, **2015**, 21, 1297-305	2.9	13
85	Human Organ-Specific 3D Cancer Models Produced by the Stromal Self-Assembly Method of Tissue Engineering for the Study of Solid Tumors. *BioMed Research International*, **2020**, 2020, 6051210	3	13
84	Identification of epithelial stem cells in vivo and in vitro using keratin 19 and BrdU. *Methods in Molecular Biology*, **2010**, 585, 383-400	1.4	13
83	ISOLATION AND CULTURE OF THE THREE VASCULAR CELL TYPES FROM A SMALL VEIN BIOPSY SAMPLE. *In Vitro Cellular and Developmental Biology - Animal*, **2003**, 39, 131	2.6	13
82	Rescue of the transcription factors Sp1 and NFI in human skin keratinocytes through a feeder-layer-dependent suppression of the proteasome activity. *Journal of Molecular Biology*, **2012**, 418, 281-99	6.5	12
81	Applications of human tissue-engineered blood vessel models to study the effects of shed membrane microparticles from T-lymphocytes on vascular function. *Tissue Engineering - Part A*, **2009**, 15, 137-45	3.9	12
80	Mechanical properties of human skin equivalents submitted to cyclic tensile forces. *Skin Research and Technology*, **1998**, 4, 228-36	1.9	12
79	Polyphenols modulate calcium-independent mechanisms in human arterial tissue-engineered vascular media. *Journal of Vascular Surgery*, **2007**, 46, 764-72	3.5	12
78	Expression of the β integrin gene in corneal epithelial cells cultured on tissue-engineered human extracellular matrices. *Biomaterials*, **2013**, 34, 6367-76	15.6	11
77	Interleukin-10 controls the protective effects of circulating microparticles from patients with septic shock on tissue-engineered vascular media. *Clinical Science*, **2013**, 125, 77-85	6.5	11
76	Biaxial biomechanical properties of self-assembly tissue-engineered blood vessels. *Journal of the Royal Society Interface*, **2011**, 8, 244-56	4.1	11

75	Selective culture of epithelial cells from primary breast carcinomas using irradiated 3T3 cells as feeder layer. *Pathology Research and Practice*, **2001**, 197, 175-81	3.4	11
74	Enhanced wound healing of tissue-engineered human corneas through altered phosphorylation of the CREB and AKT signal transduction pathways. *Acta Biomaterialia*, **2018**, 73, 312-325	10.8	10
73	Impact of ultraviolet radiation on dermal and epidermal DNA damage in a human pigmented bilayered skin substitute. *Journal of Tissue Engineering and Regenerative Medicine*, **2019**, 13, 2300-2311	4.4	10
72	A Role for DLK in Microtubule Reorganization to the Cell Periphery and in the Maintenance of Desmosomal and Tight Junction Integrity. *Journal of Investigative Dermatology*, **2017**, 137, 132-141	4.3	10
71	Morphological changes of human skin cells exposed to a DC electric field in vitro using a new exposure system. *Canadian Journal of Chemical Engineering*, **2001**, 79, 668-677	2.3	10
70	The mixed lineage kinase leucine-zipper protein kinase exhibits a differentiation-associated localization in normal human skin and induces keratinocyte differentiation upon overexpression. *Journal of Investigative Dermatology*, **2000**, 115, 860-7	4.3	10
69	Considerations in the choice of a skin donor site for harvesting keratinocytes containing a high proportion of stem cells for culture in vitro. *Burns*, **2011**, 37, 440-7	2.3	9
68	Electric Potential Across Epidermis and Its Role During Wound Healing Can Be Studied by Using an Reconstructed Human Skin. *Advances in Wound Care*, **2012**, 1, 81-87	4.8	9
67	Translating the combination of gene therapy and tissue engineering for treating recessive dystrophic epidermolysis bullosa. *European Cells and Materials*, **2018**, 35, 73-86	4.3	9
66	Grafting of an autologous tissue-engineered human corneal epithelium to a patient with limbal stem cell deficiency (LSCD). *American Journal of Ophthalmology Case Reports*, **2019**, 15, 100532	1.3	8
65	Immune tolerance of tissue-engineered skin produced with allogeneic or xenogeneic fibroblasts and syngeneic keratinocytes grafted on mice. *Acta Biomaterialia*, **2019**, 90, 192-204	10.8	8
64	Potential of Newborn and Adult Stem Cells for the Production of Vascular Constructs Using the Living Tissue Sheet Approach. *BioMed Research International*, **2015**, 2015, 168294	3	8
63	Engineering human tissues for in vivo applications. *Annals of the New York Academy of Sciences*, **2002**, 961, 268-70	6.5	8
62	Use of human vessels and human vascular smooth muscle cells in pharmacology. *Cell Biology and Toxicology*, **1996**, 12, 223-5	7.4	8
61	Are the Effects of the Cholera Toxin and Isoproterenol on Human KeratinocytesSProliferative Potential Dependent on Whether They Are Co-Cultured with Human or Murine Fibroblast Feeder Layers?. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	7
60	A Computer-Controlled Apparatus for the Characterization of Mechanical and Viscoelastic Properties of Tissue-Engineered Vascular Constructs. *Cardiovascular Engineering and Technology*, **2011**, 2, 24-34	2.2	7
59	Identification of functional markers in a self-assembled skin substitute in vitro. *In Vitro Cellular and Developmental Biology - Animal*, **2008**, 44, 444-50	2.6	7
58	Adherens junction proteins are expressed in collagen corneal equivalents produced in vitro with human cells. *Molecular Vision*, **2014**, 20, 386-94	2.3	7

57	Transcatheter heart valve crimping and the protecting effects of a polyester cuff. *Morphologie*, **2016**, 100, 234-244	0.9	6
56	Effect of intense pulsed light treatment on human skin in vitro: analysis of immediate effects on dermal papillae and hair follicle stem cells. *British Journal of Dermatology*, **2013**, 169, 859-68	4	6
55	Stem cells of the skin and cornea: their clinical applications in regenerative medicine. *Current Opinion in Organ Transplantation*, **2011**, 16, 83-9	2.5	6
54	Tissue engineering. *Science*, **1999**, 284, 1621-2	33.3	6
53	A tissue-engineered corneal wound healing model for the characterization of reepithelialization. *Methods in Molecular Biology*, **2013**, 1037, 59-78	1.4	6
52	The Human Tissue-Engineered Cornea (hTEC): Recent Progress. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
51	Microstructured human fibroblast-derived extracellular matrix scaffold for vascular media fabrication. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2479-2489	4.4	5
50	Donkey pericardium compares favorably with commercial xenopericardia used in the manufacture of transcatheter heart valves. *Artificial Organs*, **2019**, 43, 976-987	2.6	5
49	The presence of a feeder layer improves human corneal endothelial cell proliferation by altering the expression of the transcription factors Sp1 and NFI. *Experimental Eye Research*, **2018**, 176, 161-173	3.7	5
48	Using human umbilical cord cells for tissue engineering: a comparison with skin cells. *Differentiation* , **2014**, 87, 172-81	3.5	5
47	Simultaneous isolation of keratinocytes and fibroblasts from a human cutaneous biopsy for the production of autologous reconstructed skin. *Canadian Journal of Chemical Engineering*, **2001**, 79, 663-667	2.3	5
46	Production of bioengineered cancer tissue constructs in vitro: epithelium-mesenchyme heterotypic interactions. *In Vitro Cellular and Developmental Biology - Animal*, **2001**, 37, 434-9	2.6	5
45	Cuspal dehiscence at a post and along the stent cloth in a bovine pericardium heart valve implanted for seven years. *Journal of Long-Term Effects of Medical Implants*, **2012**, 22, 95-111	0.2	5
44	CSDE1 attenuates microRNA-mediated silencing of PMEPA1 in melanoma. *Oncogene*, **2021**, 40, 3231-3244	9.2	5
43	Remodeling of Fibroblast-Derived Vascular Scaffolds Implanted for 6 Months in Rats. *BioMed Research International*, **2016**, 2016, 3762484	3	5
42	Severe oily ichthyosis in monozygotic twins mimicking Chanarin-Dorfman syndrome but not associated with a mutation of the CGI58 gene. *Archives of Dermatology*, **2006**, 142, 402-3		5
41	Contribution of the WNK1 kinase to corneal wound healing using the tissue-engineered human cornea as an in vitro model. *Journal of Tissue Engineering and Regenerative Medicine*, **2019**, 13, 1595-1608	4.4	4
40	Generation of High-Titer Self-Inactivated Retroviral Vector Producer Cells. *Molecular Therapy - Methods and Clinical Development*, **2019**, 14, 90-99	6.4	4

39	Effect of 27-MHz radiofrequency on hair follicles: histological evaluation of skin treated ex vivo. *Dermatologic Surgery*, **2015**, 41, 466-72	1.7	4
38	Tendons and Ligaments **2007**, 909-918		4
37	MULTISTEP PRODUCTION OF BIOENGINEERED SKIN SUBSTITUTES: SEQUENTIAL MODULATION OF CULTURE CONDITIONS. *In Vitro Cellular and Developmental Biology - Animal*, **2000**, 36, 96-103	2.6	4
36	Can marine mammals be a reliable source for the manufacture of prosthetic heart valves for percutaneous surgery?. *Journal of Long-Term Effects of Medical Implants*, **2012**, 22, 113-26	0.2	4
35	The role of cultured autologous bilayered skin substitutes as epithelial stem cell niches after grafting: A systematic review of clinical studies. *Burns Open*, **2021**, 5, 56-66	0.8	4
34	Isolation and Culture of Human Keratinocytes. *Methods in Molecular Biology*, **2019**, 1993, 3-13	1.4	3
33	Contribution of Sp1 to Telomerase Expression and Activity in Skin Keratinocytes Cultured With a Feeder Layer. *Journal of Cellular Physiology*, **2015**, 230, 308-17	7	3
32	Tissue-Engineered Tubular Heart Valves Combining a Novel Precontraction Phase with the Self-Assembly Method. *Annals of Biomedical Engineering*, **2017**, 45, 427-438	4.7	3
31	Tendons and Ligament Tissue Engineering **2014**, 1275-1287		3
30	27.12 MHz Radiofrequency Ablation for Benign Cutaneous Lesions. *BioMed Research International*, **2016**, 2016, 6016943	3	3
29	The Red Kangaroo pericardium as a material source for the manufacture of percutaneous heart valves. *Morphologie*, **2019**, 103, 37-47	0.9	2
28	Peel Test to Assess the Adhesion Strength of the Dermal-Epidermal Junction in Tissue-Engineered Skin. *Tissue Engineering - Part C: Methods*, **2020**, 26, 180-189	2.9	2
27	Recent Advances in the Development of Tissue-engineered Vascular Media Made by Self-assembly. *Procedia Engineering*, **2013**, 59, 201-205		2
26	Qualitatively monitoring binding and expression of the transcription factor Sp1 as a useful tool to evaluate the reliability of primary cultured epithelial stem cells in tissue reconstruction. *Methods in Molecular Biology*, **2013**, 989, 119-42	1.4	2
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