FranÃ§ois A Auger

List of Publications by Year
in descending order

#	Article	IF	Citations
1	A completely biological tissue-engineered human blood vessel. FASEB Journal, 1998, 12, 47-56.	0.5	1,124
2	A completely biological tissueâ€engineered human blood vessel. FASEB Journal, 1998, 12, 47-56.	0.5	845
3	<i>In vitro</i>reconstruction of a human capillaryâ€like network in a tissueâ€engineered skin equivalent. FASEB Journal, 1998, 12, 1331-1340.	0.5	412
4	Inosculation of Tissue-Engineered Capillaries with the Host's Vasculature in a Reconstructed Skin Transplanted on Mice. American Journal of Transplantation, 2005, 5, 1002-1010.	4.7	335
5	The Pivotal Role of Vascularization in Tissue Engineering. Annual Review of Biomedical Engineering, 2013, 15, 177-200.	12.3	277
6	Characterization of a new tissue-engineered human skin equivalent with hair. In Vitro Cellular and Developmental Biology - Animal, 1999, 35, 318-326.	1.5	204
7	Mechanisms of wound reepithelialization: hints from a tissueâ€engineered reconstructed skin to longâ€standing questions. FASEB Journal, 2001, 15, 2377-2389.	0.5	179
8	Reconstructed Human Cornea Produced in vitro by Tissue Engineering. Pathobiology, 1999, 67, 140-147.	3.8	176
9	A human tissueâ€engineered vascular media: a new model for pharmacological studies of contractile responses. FASEB Journal, 2001, 15, 515-524.	0.5	155
10	Skin equivalent produced with human collagen. In Vitro Cellular and Developmental Biology - Animal, 1995, 31, 432-439.	1.5	140
11	Extracellular matrix deposition by fibroblasts is necessary to promote capillaryâ€like tube formation in vitro. Journal of Cellular Physiology, 2006, 207, 491-498.	4.1	130
12	Tissueâ€engineered skin substitutes: from <i>in vitro</i> constructs to <i>in vivo</i> applications. Biotechnology and Applied Biochemistry, 2004, 39, 263-275.	3.1	128
13	Surface topography induces 3D self-orientation of cells and extracellular matrix resulting in improved tissue function. Integrative Biology (United Kingdom), 2009, 1, 196.	1.3	103
14	Mechanisms by which E-Selectin Regulates Diapedesis of Colon Cancer Cells under Flow Conditions. Cancer Research, 2008, 68, 5167-5176.	0.9	102
15	A Novel Single-Step Self-Assembly Approach for the Fabrication of Tissue-Engineered Vascular Constructs. Tissue Engineering - Part A, 2010, 16, 1737-1747.	3.1	100
16	A Preexisting Microvascular Network Benefits <i>In Vivo</i> Revascularization of a Microvascularized Tissue-Engineered Skin Substitute. Tissue Engineering - Part A, 2010, 16, 3199-3206.	3.1	92
17	Anticancer properties of chitosan on human melanoma are cell line dependent. International Journal of Biological Macromolecules, 2015, 72, 370-379.	7.5	84
18	Human fibroblast-derived ECM as a scaffold for vascular tissue engineering. Biomaterials, 2012, 33, 9205-9213.	11.4	82

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19	Cell-based approach for 3D reconstruction of lymphatic capillaries inÂvitro reveals distinct functions of HGF and VEGF-C in lymphangiogenesis. Biomaterials, 2016, 78, 129-139.	11.4	75
20	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.	1.1	73
21	Impact of Cell Source on Human Cornea Reconstructed by Tissue Engineering. , 2009, 50, 2645.		70
22	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, 253-263.	3.1	66
23	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, 4684-4704.	4.1	63
24	Regeneration of Skin and Cornea by Tissue Engineering. Methods in Molecular Biology, 2009, 482, 233-256.	0.9	62
25	Fetal and adult human skin fibroblasts display intrinsic differences in contractile capacity. Journal of Cellular Physiology, 2001, 188, 211-222.	4.1	61
26	Mechanical Properties of Tissue-Engineered Vascular Constructs Produced Using Arterial or Venous Cells. Tissue Engineering - Part A, 2011, 17, 2049-2059.	3.1	61
27	Biomimetic Tissueâ€Engineered Bone Substitutes for Maxillofacial and Craniofacial Repair: The Potential of Cell Sheet Technologies. Advanced Healthcare Materials, 2018, 7, e1700919.	7.6	60
28	Tissue-engineered 3D melanoma model with blood and lymphatic capillaries for drug development. Scientific Reports, 2018, 8, 13191.	3.3	58
29	From newborn to adult: Phenotypic and functional properties of skin equivalent and human skin as a function of donor age. , 1997, 171, 179-189.		46
30	Normal Human Epithelial Cells Regulate the Size and Morphology of Tissue-Engineered Capillaries. Tissue Engineering - Part A, 2010, 16, 1457-1468.	3.1	45
31	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.	2.6	43
32	Tissue-engineered 3D human lymphatic microvascular network for in vitro studies of lymphangiogenesis. Nature Protocols, 2017, 12, 1077-1088.	12.0	43
33	In Vitro Evaluation of the Angiostatic Potential of Drugs Using an Endothelialized Tissue-Engineered Connective Tissue. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 510-516.	2.5	40
34	Tissue-Engineered Vascular Adventitia with <i>Vasa Vasorum</i> Improves Graft Integration and Vascularization Through Inosculation. Tissue Engineering - Part A, 2010, 16, 2617-2626.	3.1	40
35	Development of a tridimensional microvascularized human skin substitute to study melanoma biology. Clinical and Experimental Metastasis, 2013, 30, 83-90.	3.3	40
36	Functional evaluation of anchored skin equivalent cultured in vitro: percutaneous absorption studies and lipid analysis. Pharmaceutical Research, 1995, 12, 455-458.	3.5	38

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37	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, 400-409.	1.0	38
38	Endothelium properties of a tissue-engineered blood vessel for small-diameter vascular reconstruction. Journal of Vascular Surgery, 2004, 39, 613-620.	1.1	37
39	Mechanical properties of endothelialized fibroblast-derived vascular scaffolds stimulated in a bioreactor. Acta Biomaterialia, 2015, 18, 176-185.	8.3	35
40	Spontaneous fibroblastâ€derived pericyte recruitment in a human tissueâ€engineered angiogenesis model in vitro. Journal of Cellular Physiology, 2012, 227, 2130-2137.	4.1	32
41	Tissue engineering of skin and cornea. Annals of the New York Academy of Sciences, 2010, 1197, 166-177.	3.8	31
42	Human adipose-derived stromal cells for the production of completely autologous self-assembled tissue-engineered vascular substitutes. Acta Biomaterialia, 2015, 24, 209-219.	8.3	30
43	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, 3563-3570.	8.3	28
44	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, 1-23.	1.9	28
45	Moyamoya Disease Susceptibility Gene <i>RNF213</i> Regulates Endothelial Barrier Function. Stroke, 2022, 53, 1263-1275.	2.0	26
46	A New Construction Technique for Tissue-Engineered Heart Valves Using the Self-Assembly Method. Tissue Engineering - Part C: Methods, 2014, 20, 905-915.	2.1	24
47	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.	2.3	23
48	Minimal contraction for tissue-engineered skin substitutes when matured at the air-liquid interface. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 452-460.	2.7	21
49	Specialized Living Wound Dressing Based on the Self-Assembly Approach of Tissue Engineering. Journal of Functional Biomaterials, 2018, 9, 53.	4.4	21
50	A Cellâ€Based Selfâ€Assembly Approach for the Production of Human Osseous Tissues from Adiposeâ€Derived Stromal/Stem Cells. Advanced Healthcare Materials, 2017, 6, 1600889.	7.6	20
51	MULTISTEP PRODUCTION OF BIOENGINEERED SKIN SUBSTITUTES: SEQUENTIAL MODULATION OF CULTURE CONDITIONS. In Vitro Cellular and Developmental Biology - Animal, 2000, 36, 96.	1.5	18
52	<i>In Vivo</i>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.	3.1	18
53	Optimization of culture conditions for porcine corneal endothelial cells. Molecular Vision, 2007, 13, 524-33.	1.1	17
54	Immune tolerance of tissue-engineered skin produced with allogeneic or xenogeneic fibroblasts and syngeneic keratinocytes grafted on mice. Acta Biomaterialia, 2019, 90, 192-204.	8.3	16

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55	Isolation and Culture of Human Dermal Microvascular Endothelial Cells. Methods in Molecular Biology, 2019, 1993, 79-90.	0.9	11
56	Cell Seeding on UVâ€Câ€Treated 3D Polymeric Templates Allows for Costâ€Effective Production of Smallâ€Caliber Tissueâ€Engineered Blood Vessels. Biotechnology Journal, 2019, 14, e1800306.	3.5	10
57	Using human umbilical cord cells for tissue engineering: A comparison with skin cells. Differentiation, 2014, 87, 172-181.	1.9	9
58	Potential of Newborn and Adult Stem Cells for the Production of Vascular Constructs Using the Living Tissue Sheet Approach. BioMed Research International, 2015, 2015, 1-10.	1.9	9
59	Isolation of Human Skin Lymphatic Endothelial Cells and 3D Reconstruction of the Lymphatic Vasculature In Vitro. Methods in Molecular Biology, 2018, 1846, 279-290.	0.9	8
60	PRODUCTION OF BIOENGINEERED CANCER TISSUE CONSTRUCTS IN VITRO: EPITHELIUMâ€"MESENCHYME HETEROTYPIC INTERACTIONS. In Vitro Cellular and Developmental Biology - Animal, 2001, 37, 434.	1.5	7
61	Tissue-Engineered Tubular Heart Valves Combining a Novel Precontraction Phase with the Self-Assembly Method. Annals of Biomedical Engineering, 2017, 45, 427-438.	2.5	7
62	Tissue Engineering. Science, 1999, 284, 1621d-1621.	12.6	7
63	In Vitro Prevascularization of Self-Assembled Human Bone-Like Tissues and Preclinical Assessment Using a Rat Calvarial Bone Defect Model. Materials, 2021, 14, 2023.	2.9	6
64	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.	1.7	5
65	In VivoRemodeling of Fibroblast-Derived Vascular Scaffolds Implanted for 6 Months in Rats. BioMed Research International, 2016, 2016, 1-12.	1.9	5
66	Best practices for enhancing surgical research: a perspective from the Canadian Association of Chairs of Surgical Research. Canadian Journal of Surgery, 2019, 62, 488-498.	1.2	5
67	Preclinical Evaluation of BMP-9-Treated Human Bone-like Substitutes for Alveolar Ridge Preservation following Tooth Extraction. International Journal of Molecular Sciences, 2022, 23, 3302.	4.1	2
68	The LOEX perspective on the role of tissue engineering in regenerative medicine. Bio-Medical Materials and Engineering, 2006, 16, S19-25.	0.6	1