

François A Auger

List of Publications by Year in descending order

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68
papers

6,207
citations

109264

35
h-index

102432

66
g-index

68
all docs

68
docs citations

68
times ranked

5033
citing authors

#	ARTICLE	IF	CITATIONS
1	Moyamoya Disease Susceptibility Gene <i>RNF213</i> Regulates Endothelial Barrier Function. <i>Stroke</i> , 2022, 53, 1263-1275.	1.0	26
2	Preclinical Evaluation of BMP-9-Treated Human Bone-like Substitutes for Alveolar Ridge Preservation following Tooth Extraction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3302.	1.8	2
3	In Vitro Prevascularization of Self-Assembled Human Bone-Like Tissues and Preclinical Assessment Using a Rat Calvarial Bone Defect Model. <i>Materials</i> , 2021, 14, 2023.	1.3	6
4	Human Organ-Specific 3D Cancer Models Produced by the Stromal Self-Assembly Method of Tissue Engineering for the Study of Solid Tumors. <i>BioMed Research International</i> , 2020, 2020, 1-23.	0.9	28
5	Isolation and Culture of Human Dermal Microvascular Endothelial Cells. <i>Methods in Molecular Biology</i> , 2019, 1993, 79-90.	0.4	11
6	Immune tolerance of tissue-engineered skin produced with allogeneic or xenogeneic fibroblasts and syngeneic keratinocytes grafted on mice. <i>Acta Biomaterialia</i> , 2019, 90, 192-204.	4.1	16
7	Best practices for enhancing surgical research: a perspective from the Canadian Association of Chairs of Surgical Research. <i>Canadian Journal of Surgery</i> , 2019, 62, 488-498.	0.5	5
8	Cell Seeding on UV-C-Treated 3D Polymeric Templates Allows for Cost-Effective Production of Small-Caliber Tissue-Engineered Blood Vessels. <i>Biotechnology Journal</i> , 2019, 14, e1800306.	1.8	10
9	Biomimetic Tissue-Engineered Bone Substitutes for Maxillofacial and Craniofacial Repair: The Potential of Cell Sheet Technologies. <i>Advanced Healthcare Materials</i> , 2018, 7, e1700919.	3.9	60
10	Isolation of Human Skin Lymphatic Endothelial Cells and 3D Reconstruction of the Lymphatic Vasculature In Vitro. <i>Methods in Molecular Biology</i> , 2018, 1846, 279-290.	0.4	8
11	Specialized Living Wound Dressing Based on the Self-Assembly Approach of Tissue Engineering. <i>Journal of Functional Biomaterials</i> , 2018, 9, 53.	1.8	21
12	Tissue-engineered 3D melanoma model with blood and lymphatic capillaries for drug development. <i>Scientific Reports</i> , 2018, 8, 13191.	1.6	58
13	Tissue-engineered 3D human lymphatic microvascular network for in vitro studies of lymphangiogenesis. <i>Nature Protocols</i> , 2017, 12, 1077-1088.	5.5	43
14	A Cell-Based Self-Assembly Approach for the Production of Human Osseous Tissues from Adipose-Derived Stromal/Stem Cells. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600889.	3.9	20
15	<i>In Vivo</i> Evaluation and Imaging of a Bilayered Self-Assembled Skin Substitute Using a Decellularized Dermal Matrix Grafted on Mice. <i>Tissue Engineering - Part A</i> , 2017, 23, 313-322.	1.6	18
16	Tissue-Engineered Tubular Heart Valves Combining a Novel Precontraction Phase with the Self-Assembly Method. <i>Annals of Biomedical Engineering</i> , 2017, 45, 427-438.	1.3	7
17	In Vivo Remodeling of Fibroblast-Derived Vascular Scaffolds Implanted for 6 Months in Rats. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	5
18	Improved Methods to Produce Tissue-Engineered Skin Substitutes Suitable for the Permanent Closure of Full-Thickness Skin Injuries. <i>BioResearch Open Access</i> , 2016, 5, 320-329.	2.6	43

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19	Cell-based approach for 3D reconstruction of lymphatic capillaries in vitro reveals distinct functions of HGF and VEGF-C in lymphangiogenesis. <i>Biomaterials</i> , 2016, 78, 129-139.	5.7	75
20	Potential of Newborn and Adult Stem Cells for the Production of Vascular Constructs Using the Living Tissue Sheet Approach. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	9
21	Mechanical properties of endothelialized fibroblast-derived vascular scaffolds stimulated in a bioreactor. <i>Acta Biomaterialia</i> , 2015, 18, 176-185.	4.1	35
22	Human adipose-derived stromal cells for the production of completely autologous self-assembled tissue-engineered vascular substitutes. <i>Acta Biomaterialia</i> , 2015, 24, 209-219.	4.1	30
23	Anticancer properties of chitosan on human melanoma are cell line dependent. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 370-379.	3.6	84
24	Progress in developing a living human tissue-engineered tri-leaflet heart valve assembled from tissue produced by the self-assembly approach. <i>Acta Biomaterialia</i> , 2014, 10, 3563-3570.	4.1	28
25	Comparison of the direct burst pressure and the ring tensile test methods for mechanical characterization of tissue-engineered vascular substitutes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 34, 253-263.	1.5	66
26	Using human umbilical cord cells for tissue engineering: A comparison with skin cells. <i>Differentiation</i> , 2014, 87, 172-181.	1.0	9
27	A New Construction Technique for Tissue-Engineered Heart Valves Using the Self-Assembly Method. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 905-915.	1.1	24
28	Minimal contraction for tissue-engineered skin substitutes when matured at the air-liquid interface. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 452-460.	1.3	21
29	Harvesting the Potential of the Human Umbilical Cord: Isolation and Characterisation of Four Cell Types for Tissue Engineering Applications. <i>Cells Tissues Organs</i> , 2013, 197, 37-54.	1.3	23
30	The Pivotal Role of Vascularization in Tissue Engineering. <i>Annual Review of Biomedical Engineering</i> , 2013, 15, 177-200.	5.7	277
31	Development of a tridimensional microvascularized human skin substitute to study melanoma biology. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 83-90.	1.7	40
32	Irradiated Human Dermal Fibroblasts Are as Efficient as Mouse Fibroblasts as a Feeder Layer to Improve Human Epidermal Cell Culture Lifespan. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4684-4704.	1.8	63
33	Prospective Study on the Treatment of Lower-Extremity Chronic Venous and Mixed Ulcers Using Tissue-Engineered Skin Substitute Made by the Self-assembly Approach. <i>Advances in Skin and Wound Care</i> , 2013, 26, 400-409.	0.5	38
34	Human fibroblast-derived ECM as a scaffold for vascular tissue engineering. <i>Biomaterials</i> , 2012, 33, 9205-9213.	5.7	82
35	Spontaneous fibroblast-derived pericyte recruitment in a human tissue-engineered angiogenesis model in vitro. <i>Journal of Cellular Physiology</i> , 2012, 227, 2130-2137.	2.0	32
36	Mechanical Properties of Tissue-Engineered Vascular Constructs Produced Using Arterial or Venous Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 2049-2059.	1.6	61

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37	A Novel Single-Step Self-Assembly Approach for the Fabrication of Tissue-Engineered Vascular Constructs. <i>Tissue Engineering - Part A</i> , 2010, 16, 1737-1747.	1.6	100
38	Tissue engineering of skin and cornea. <i>Annals of the New York Academy of Sciences</i> , 2010, 1197, 166-177.	1.8	31
39	Normal Human Epithelial Cells Regulate the Size and Morphology of Tissue-Engineered Capillaries. <i>Tissue Engineering - Part A</i> , 2010, 16, 1457-1468.	1.6	45
40	A Preexisting Microvascular Network Benefits <i>In Vivo</i> Revascularization of a Microvascularized Tissue-Engineered Skin Substitute. <i>Tissue Engineering - Part A</i> , 2010, 16, 3199-3206.	1.6	92
41	Tissue-Engineered Vascular Adventitia with <i>Vasa Vasorum</i> Improves Graft Integration and Vascularization Through Inosculation. <i>Tissue Engineering - Part A</i> , 2010, 16, 2617-2626.	1.6	40
42	Reconstruction of a human cornea by the self-assembly approach of tissue engineering using the three native cell types. <i>Molecular Vision</i> , 2010, 16, 2192-201.	1.1	73
43	Impact of Cell Source on Human Cornea Reconstructed by Tissue Engineering. , 2009, 50, 2645.		70
44	Surface topography induces 3D self-orientation of cells and extracellular matrix resulting in improved tissue function. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 196.	0.6	103
45	Regeneration of Skin and Cornea by Tissue Engineering. <i>Methods in Molecular Biology</i> , 2009, 482, 233-256.	0.4	62
46	Mechanisms by which E-Selectin Regulates Diapedesis of Colon Cancer Cells under Flow Conditions. <i>Cancer Research</i> , 2008, 68, 5167-5176.	0.4	102
47	Optimization of culture conditions for porcine corneal endothelial cells. <i>Molecular Vision</i> , 2007, 13, 524-33.	1.1	17
48	Extracellular matrix deposition by fibroblasts is necessary to promote capillary-like tube formation in vitro. <i>Journal of Cellular Physiology</i> , 2006, 207, 491-498.	2.0	130
49	The LOEX perspective on the role of tissue engineering in regenerative medicine. <i>Bio-Medical Materials and Engineering</i> , 2006, 16, S19-25.	0.4	1
50	Inosculation of Tissue-Engineered Capillaries with the Host's Vasculature in a Reconstructed Skin Transplanted on Mice. <i>American Journal of Transplantation</i> , 2005, 5, 1002-1010.	2.6	335
51	In Vitro Evaluation of the Angiostatic Potential of Drugs Using an Endothelialized Tissue-Engineered Connective Tissue. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 510-516.	1.3	40
52	Tissue-engineered skin substitutes: from <i>in vitro</i> constructs to <i>in vivo</i> applications. <i>Biotechnology and Applied Biochemistry</i> , 2004, 39, 263-275.	1.4	128
53	Endothelium properties of a tissue-engineered blood vessel for small-diameter vascular reconstruction. <i>Journal of Vascular Surgery</i> , 2004, 39, 613-620.	0.6	37
54	PRODUCTION OF BIOENGINEERED CANCER TISSUE CONSTRUCTS IN VITRO: EPITHELIUM-MESENCHYME HETEROTYPIC INTERACTIONS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2001, 37, 434.	0.7	7

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55	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.	0.9	5
56	Fetal and adult human skin fibroblasts display intrinsic differences in contractile capacity. Journal of Cellular Physiology, 2001, 188, 211-222.	2.0	61
57	A human tissue-engineered vascular media: a new model for pharmacological studies of contractile responses. FASEB Journal, 2001, 15, 515-524.	0.2	155
58	Mechanisms of wound reepithelialization: hints from a tissue-engineered reconstructed skin to long-standing questions. FASEB Journal, 2001, 15, 2377-2389.	0.2	179
59	MULTISTEP PRODUCTION OF BIOENGINEERED SKIN SUBSTITUTES: SEQUENTIAL MODULATION OF CULTURE CONDITIONS. In Vitro Cellular and Developmental Biology - Animal, 2000, 36, 96.	0.7	18
60	Reconstructed Human Cornea Produced in vitro by Tissue Engineering. Pathobiology, 1999, 67, 140-147.	1.9	176
61	Characterization of a new tissue-engineered human skin equivalent with hair. In Vitro Cellular and Developmental Biology - Animal, 1999, 35, 318-326.	0.7	204
62	Tissue Engineering. Science, 1999, 284, 1621d-1621.	6.0	7
63	A completely biological tissue-engineered human blood vessel. FASEB Journal, 1998, 12, 47-56.	0.2	1,124
64	A completely biological tissue-engineered human blood vessel. FASEB Journal, 1998, 12, 47-56.	0.2	845
65	<i>In vitro</i> reconstruction of a human capillary-like network in a tissue-engineered skin equivalent. FASEB Journal, 1998, 12, 1331-1340.	0.2	412
66	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
67	Skin equivalent produced with human collagen. In Vitro Cellular and Developmental Biology - Animal, 1995, 31, 432-439.	0.7	140
68	Functional evaluation of anchored skin equivalent cultured in vitro: percutaneous absorption studies and lipid analysis. Pharmaceutical Research, 1995, 12, 455-458.	1.7	38