

Nicolas L Heureux

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37
papers

5,497
citations

21
h-index

41
g-index

41
ext. papers

6,001
ext. citations

9.8
avg. IF

5.05
L-index

#	Paper	IF	Citations
37	A completely biological tissue-engineered human blood vessel. <i>FASEB Journal</i> , 1998 , 12, 47-56	0.9	968
36	A completely biological tissue-engineered human blood vessel. <i>FASEB Journal</i> , 1998 , 12, 47-56	0.9	769
35	Human tissue-engineered blood vessels for adult arterial revascularization. <i>Nature Medicine</i> , 2006 , 12, 361-5	50.5	703
34	Effectiveness of haemodialysis access with an autologous tissue-engineered vascular graft: a multicentre cohort study. <i>Lancet, The</i> , 2009 , 373, 1440-6	40	396
33	Mechanical properties of completely autologous human tissue engineered blood vessels compared to human saphenous vein and mammary artery. <i>Biomaterials</i> , 2009 , 30, 1542-50	15.6	372
32	In vitro reconstruction of a human capillary-like network in a tissue-engineered skin equivalent. <i>FASEB Journal</i> , 1998 , 12, 1331-40	0.9	367
31	Tissue-engineered blood vessel for adult arterial revascularization. <i>New England Journal of Medicine</i> , 2007 , 357, 1451-3	59.2	313
30	Technology insight: the evolution of tissue-engineered vascular grafts--from research to clinical practice. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 389-95		220
29	In vitro construction of a human blood vessel from cultured vascular cells: A morphologic study. <i>Journal of Vascular Surgery</i> , 1993 , 17, 499-509	3.5	203
28	Characterization of printed PLA scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 887-894	5.4	156
27	Fluid shear stress increases membrane fluidity in endothelial cells: a study with DCVJ fluorescence. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H1401-6	5.2	148
26	A human tissue-engineered vascular media: a new model for pharmacological studies of contractile responses. <i>FASEB Journal</i> , 2001 , 15, 515-24	0.9	140
25	First human use of an allogeneic tissue-engineered vascular graft for hemodialysis access. <i>Journal of Vascular Surgery</i> , 2014 , 60, 1353-1357	3.5	134
24	The evolution of vascular tissue engineering and current state of the art. <i>Cells Tissues Organs</i> , 2012 , 195, 144-58	2.1	134
23	PECAM-1 interacts with nitric oxide synthase in human endothelial cells: implication for flow-induced nitric oxide synthase activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 1796-802	9.4	74
22	Case study: first implantation of a frozen, devitalized tissue-engineered vascular graft for urgent hemodialysis access. <i>Journal of Vascular Access</i> , 2011 , 12, 67-70	1.8	65
21	Tissue engineering by self-assembly. <i>Materials Today</i> , 2011 , 14, 218-224	21.8	59

20	Cell-based therapeutics from an economic perspective: primed for a commercial success or a research sinkhole?. <i>Regenerative Medicine</i> , 2008 , 3, 925-37	2.5	47
19	From newborn to adult: phenotypic and functional properties of skin equivalent and human skin as a function of donor age. <i>Journal of Cellular Physiology</i> , 1997 , 171, 179-89	7	39
18	Expression of versican isoform V3 in the absence of ascorbate improves elastogenesis in engineered vascular constructs. <i>Tissue Engineering - Part A</i> , 2010 , 16, 501-12	3.9	27
17	New biological solutions for hemodialysis access. <i>Journal of Vascular Access</i> , 2011 , 12, 185-92	1.8	24
16	Human textiles: A cell-synthesized yarn as a truly "bio" material for tissue engineering applications. <i>Acta Biomaterialia</i> , 2020 , 105, 111-120	10.8	19
15	Autologous cell therapies: challenges in US FDA regulation. <i>Regenerative Medicine</i> , 2012 , 7, 94-7	2.5	17
14	Development of a selective peptide antagonist for the human natriuretic peptide receptor-B. <i>Peptides</i> , 2005 , 26, 517-24	3.8	16
13	Comparison of the impact of preservation methods on amniotic membrane properties for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2019 , 104, 109903	8.3	15
12	Characterization of a Cell-Assembled extracellular Matrix and the effect of the devitalization process. <i>Acta Biomaterialia</i> , 2018 , 82, 56-67	10.8	13
11	Assessment of fresh and preserved amniotic membrane for guided bone regeneration in mice. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 2044-2056	5.4	11
10	Cartography of the mechanical properties of the human amniotic membrane. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 99, 18-26	4.1	8
9	Use of human vessels and human vascular smooth muscle cells in pharmacology. <i>Cell Biology and Toxicology</i> , 1996 , 12, 223-5	7.4	8
8	Optical transillumination tomography for imaging of tissue-engineered blood vessels. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 323-7	4.7	7
7	Haemodialysis access via tissue-engineered vascular graft [Authorsareply]. <i>Lancet, The</i> , 2009 , 374, 201	4.0	6
6	Comparison of amniotic membrane versus the induced membrane for bone regeneration in long bone segmental defects using calcium phosphate cement loaded with BMP-2. <i>Materials Science and Engineering C</i> , 2021 , 124, 112032	8.3	5
5	Clinical translation of tissue-engineered constructs for severe leg injuries. <i>Annals of Translational Medicine</i> , 2015 , 3, 134	3.2	2
4	Cell-assembled extracellular matrix (CAM) sheet production: Translation from using human to large animal cells. <i>Journal of Tissue Engineering</i> , 2021 , 12, 2041731420978327	7.5	2
3	Cytograft Tissue Engineering: a new paradigm in cardiovascular tissue engineering. <i>Regenerative Medicine</i> , 2008 , 3, 471-475	2.5	1

- 2 Sheet-Based Tissue Engineering: From Bench Top to the First Clinical Use of a Completely Biological Tissue Engineered Blood Vessel. *FASEB Journal*, **2006**, 20, A1077 0.9 1
- 1 In vivo remodeling of human cell-assembled extracellular matrix yarns. *Biomaterials*, **2021**, 273, 120815 15.6 0