Nicolas L Heureux

List of Publications by Year in Descending Order

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	Comparison of amniotic membrane versus the induced membrane for bone regeneration in long bone segmental defects using calcium phosphate cement loaded with BMP-2. *Materials Science and Engineering C*, **2021**, 124, 112032	8.3	5
36	In vivo remodeling of human cell-assembled extracellular matrix yarns. *Biomaterials*, **2021**, 273, 120815	15.6	0
35	Cell-assembled extracellular matrix (CAM) sheet production: Translation from using human to large animal cells. *Journal of Tissue Engineering*, **2021**, 12, 2041731420978327	7.5	2
34	Human textiles: A cell-synthesized yarn as a truly "bio" material for tissue engineering applications. *Acta Biomaterialia*, **2020**, 105, 111-120	10.8	19
33	Assessment of fresh and preserved amniotic membrane for guided bone regeneration in mice. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 2044-2056	5.4	11
32	Cartography of the mechanical properties of the human amniotic membrane. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 99, 18-26	4.1	8
31	Comparison of the impact of preservation methods on amniotic membrane properties for tissue engineering applications. *Materials Science and Engineering C*, **2019**, 104, 109903	8.3	15
30	Characterization of printed PLA scaffolds for bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 887-894	5.4	156
29	Characterization of a Cell-Assembled extracellular Matrix and the effect of the devitalization process. *Acta Biomaterialia*, **2018**, 82, 56-67	10.8	13
28	Clinical translation of tissue-engineered constructs for severe leg injuries. *Annals of Translational Medicine*, **2015**, 3, 134	3.2	2
27	First human use of an allogeneic tissue-engineered vascular graft for hemodialysis access. *Journal of Vascular Surgery*, **2014**, 60, 1353-1357	3.5	134
26	The evolution of vascular tissue engineering and current state of the art. *Cells Tissues Organs*, **2012**, 195, 144-58	2.1	134
25	Autologous cell therapies: challenges in US FDA regulation. *Regenerative Medicine*, **2012**, 7, 94-7	2.5	17
24	Case study: first implantation of a frozen, devitalized tissue-engineered vascular graft for urgent hemodialysis access. *Journal of Vascular Access*, **2011**, 12, 67-70	1.8	65
23	New biological solutions for hemodialysis access. *Journal of Vascular Access*, **2011**, 12, 185-92	1.8	24
22	Tissue engineering by self-assembly. *Materials Today*, **2011**, 14, 218-224	21.8	59
21	Expression of versican isoform V3 in the absence of ascorbate improves elastogenesis in engineered vascular constructs. *Tissue Engineering - Part A*, **2010**, 16, 501-12	3.9	27

20	Mechanical properties of completely autologous human tissue engineered blood vessels compared to human saphenous vein and mammary artery. *Biomaterials*, **2009**, 30, 1542-50	15.6	372
19	Effectiveness of haemodialysis access with an autologous tissue-engineered vascular graft: a multicentre cohort study. *Lancet, The*, **2009**, 373, 1440-6	40	396
18	Haemodialysis access via tissue-engineered vascular graft Authorsareply. *Lancet, The*, **2009**, 374, 201	40	6
17	Cell-based therapeutics from an economic perspective: primed for a commercial success or a research sinkhole?. *Regenerative Medicine*, **2008**, 3, 925-37	2.5	47
16	Cytograft Tissue Engineering: a new paradigm in cardiovascular tissue engineering. *Regenerative Medicine*, **2008**, 3, 471-475	2.5	1
15	Tissue-engineered blood vessel for adult arterial revascularization. *New England Journal of Medicine*, **2007**, 357, 1451-3	59.2	313
14	Technology insight: the evolution of tissue-engineered vascular grafts--from research to clinical practice. *Nature Clinical Practice Cardiovascular Medicine*, **2007**, 4, 389-95		220
13	Human tissue-engineered blood vessels for adult arterial revascularization. *Nature Medicine*, **2006**, 12, 361-5	50.5	703
12	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
11	Development of a selective peptide antagonist for the human natriuretic peptide receptor-B. *Peptides*, **2005**, 26, 517-24	3.8	16
10	Optical transillumination tomography for imaging of tissue-engineered blood vessels. *Annals of Biomedical Engineering*, **2005**, 33, 323-7	4.7	7
9	PECAM-1 interacts with nitric oxide synthase in human endothelial cells: implication for flow-induced nitric oxide synthase activation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 1796-802	9.4	74
8	A human tissue-engineered vascular media: a new model for pharmacological studies of contractile responses. *FASEB Journal*, **2001**, 15, 515-24	0.9	140
7	Fluid shear stress increases membrane fluidity in endothelial cells: a study with DCVJ fluorescence. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 278, H1401-6	5.2	148
6	A completely biological tissue-engineered human blood vessel. *FASEB Journal*, **1998**, 12, 47-56	0.9	968
5	A completely biological tissue-engineered human blood vessel. *FASEB Journal*, **1998**, 12, 47-56	0.9	769
4	In vitro reconstruction of a human capillary-like network in a tissue-engineered skin equivalent. *FASEB Journal*, **1998**, 12, 1331-40	0.9	367
3	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

2	Use of human vessels and human vascular smooth muscle cells in pharmacology. *Cell Biology and Toxicology*, **1996**, 12, 223-5	7.4	8
1	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