

Neill J Turner

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

3,025
citations

25
h-index

50
g-index

50
ext. papers

3,417
ext. citations

6.4
avg, IF

5.22
L-index

#	Paper	IF	Citations
49	Consequences of ineffective decellularization of biologic scaffolds on the host response. <i>Biomaterials</i> , 2012 , 33, 1771-81	15.6	417
48	An acellular biologic scaffold promotes skeletal muscle formation in mice and humans with volumetric muscle loss. <i>Science Translational Medicine</i> , 2014 , 6, 234ra58	17.5	313
47	Functional skeletal muscle formation with a biologic scaffold. <i>Biomaterials</i> , 2010 , 31, 7475-84	15.6	218
46	Regeneration of skeletal muscle. <i>Cell and Tissue Research</i> , 2012 , 347, 759-74	4.2	180
45	Matrix-bound nanovesicles within ECM bioscaffolds. <i>Science Advances</i> , 2016 , 2, e1600502	14.3	168
44	Xenogeneic extracellular matrix as an inductive scaffold for regeneration of a functioning musculotendinous junction. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3309-17	3.9	150
43	A murine model of volumetric muscle loss and a regenerative medicine approach for tissue replacement. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1941-8	3.9	114
42	An acellular biologic scaffold treatment for volumetric muscle loss: results of a 13-patient cohort study. <i>Npj Regenerative Medicine</i> , 2016 , 1, 16008	15.8	109
41	The impact of detergents on the tissue decellularization process: A ToF-SIMS study. <i>Acta Biomaterialia</i> , 2017 , 50, 207-219	10.8	104
40	A novel hyaluronan-based biomaterial (Hyaff-11) as a scaffold for endothelial cells in tissue engineered vascular grafts. <i>Biomaterials</i> , 2004 , 25, 5955-64	15.6	100
39	The Use of Biologic Scaffolds in the Treatment of Chronic Nonhealing Wounds. <i>Advances in Wound Care</i> , 2015 , 4, 490-500	4.8	94
38	The effect of source animal age upon the in vivo remodeling characteristics of an extracellular matrix scaffold. <i>Biomaterials</i> , 2012 , 33, 5524-33	15.6	93
37	Biologic scaffold remodeling in a dog model of complex musculoskeletal injury. <i>Journal of Surgical Research</i> , 2012 , 176, 490-502	2.5	88
36	Perfusion-decellularized skeletal muscle as a three-dimensional scaffold with a vascular network template. <i>Biomaterials</i> , 2016 , 89, 114-26	15.6	86
35	Molecular assessment of collagen denaturation in decellularized tissues using a collagen hybridizing peptide. <i>Acta Biomaterialia</i> , 2017 , 53, 268-278	10.8	69
34	Biologic scaffolds for constructive tissue remodeling. <i>Biomaterials</i> , 2011 , 32, 316-9	15.6	59
33	The effects of stretch on vascular smooth muscle cell phenotype in vitro. <i>Cardiovascular Pathology</i> , 2008 , 17, 98-102	3.8	57

32	The role of transforming growth factor beta1 in the vascular system. <i>Cardiovascular Pathology</i> , 2005 , 14, 28-36	3.8	48
31	Restoring Mucosal Barrier Function and Modifying Macrophage Phenotype with an Extracellular Matrix Hydrogel: Potential Therapy for Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2017 , 11, 360-368	1.5	47
30	Biologic scaffolds for musculoskeletal tissue repair. <i>European Cells and Materials</i> , 2013 , 25, 130-43	4.3	47
29	Quantitative multispectral imaging of Herovici's polychrome for the assessment of collagen content and tissue remodelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 139-48	4.4	43
28	The natural history of stenoses within lower limb arterial bypass grafts using a graft surveillance program. <i>Annals of Vascular Surgery</i> , 2007 , 21, 695-703	1.7	43
27	Cyclic stretch-induced TGFbeta1/Smad signaling inhibits adipogenesis in umbilical cord progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 1147-51	3.4	41
26	The effect of cell debris within biologic scaffolds upon the macrophage response. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2109-2118	5.4	40
25	Regional variations in the histology of porcine skin. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 373-84	2.9	29
24	Alpha2(VIII) collagen substrata enhance endothelial cell retention under acute shear stress flow via an alpha2beta1 integrin-dependent mechanism: an in vitro and in vivo study. <i>Circulation</i> , 2006 , 114, 820-9	16.7	24
23	Mechanical strength vs. degradation of a biologically-derived surgical mesh over time in a rodent full thickness abdominal wall defect. <i>Biomaterials</i> , 2016 , 108, 81-90	15.6	24
22	Upper dorsal endoscopic thoracic sympathectomy: a comparison of one- and two-port ablation techniques. <i>European Journal of Cardio-thoracic Surgery</i> , 2006 , 30, 223-7	3	23
21	An in vitro model to evaluate cell adhesion to metals used in implantation shows significant differences between palladium and gold or platinum. <i>Cell Biology International</i> , 2004 , 28, 541-7	4.5	23
20	Bone marrow-derived cells participate in the long-term remodeling in a mouse model of esophageal reconstruction. <i>Journal of Surgical Research</i> , 2013 , 182, e1-7	2.5	22
19	A histomorphologic study of the normal healing response following digit amputation in C57bl/6 and MRL/MpJ mice. <i>Archives of Histology and Cytology</i> , 2010 , 73, 103-11		17
18	Reduction of myointimal hyperplasia after arterial anastomosis by local injection of transforming growth factor beta3. <i>Journal of Vascular Surgery</i> , 2006 , 43, 142-9	3.5	16
17	Capability of human umbilical cord blood progenitor-derived endothelial cells to form an efficient lining on a polyester vascular graft in vitro. <i>Acta Biomaterialia</i> , 2009 , 5, 1147-57	10.8	15
16	An in vivo model system for evaluation of the host response to biomaterials. <i>Methods in Molecular Biology</i> , 2013 , 1037, 3-25	1.4	13
15	Intimal neovascularisation is a prominent feature of atherosclerotic plaques in diabetic patients with critical limb ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2007 , 33, 319-24	2.3	13

14	Expression of growth factors and growth factor receptor in non-healing and healing ischaemic ulceration. <i>European Journal of Vascular and Endovascular Surgery</i> , 2006 , 31, 516-22	2.3	11
13	The impact of sterilization upon extracellular matrix hydrogel structure and function. <i>Journal of Immunology and Regenerative Medicine</i> , 2018 , 2, 11-20	2.8	9
12	Extracellular matrix proteins as temporary coating for thin-film neural implants. <i>Journal of Neural Engineering</i> , 2017 , 14, 014001	5	7
11	The Antimicrobial Effectiveness and Cytotoxicity of the Antibiotic-Loaded Chitosan: ECM Scaffolds. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3446	2.6	7
10	4-Hydroxybutyrate Promotes Endogenous Antimicrobial Peptide Expression in Macrophages. <i>Tissue Engineering - Part A</i> , 2019 , 25, 693-706	3.9	6
9	Lessons from developmental biology for regenerative medicine. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2013 , 99, 149-59		6
8	Sutureless nerve repair with ECM bioscaffolds and laser-activated chitosan adhesive. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1698-1711	3.5	5
7	Human NELL1 protein augments constructive tissue remodeling with biologic scaffolds. <i>Cells Tissues Organs</i> , 2013 , 198, 249-65	2.1	5
6	Matrix-Bound Nanovesicles: The Effects of Isolation Method upon Yield, Purity, and Function. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 528-540	2.9	5
5	A panel data set on harvest and perfusion decellularization of porcine rectus abdominis. <i>Data in Brief</i> , 2016 , 7, 1375-82	1.2	4
4	In vivo attenuation of myointimal hyperplasia using transforming growth factor-beta3 in an interposition graft model. <i>Journal of Endovascular Therapy</i> , 2006 , 13, 389-99	2.5	4
3	Extracellular Matrix Degradation Products Downregulate Neoplastic Esophageal Cell Phenotype. <i>Tissue Engineering - Part A</i> , 2019 , 25, 487-498	3.9	4
2	Bioscaffold-mediated mucosal remodeling following short-segment colonic mucosal resection. <i>Journal of Surgical Research</i> , 2017 , 218, 353-360	2.5	2
1	Engineered tissues for wound repair 2011 , 463-494		1