Treena Livingston Arinzeh

List of Publications by Year
in descending order

45 papers	3,185 citations	236925 25 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	4661 citing authors

#	Article	IF	Citations
1	Learning Environments and Evidence-Based Practices in Bioengineering and Biomedical Engineering. Biomedical Engineering Education, 2022, 2, 1-16.	0.7	6
2	The Effect of Physical Cues of Biomaterial Scaffolds on Stem Cell Behavior. Advanced Healthcare Materials, 2021, 10, e2001244.	7.6	42
3	Plant cell adhesion and growth on artificial fibrous scaffolds as an in vitro model for plant development. Science Advances, 2021, 7, eabj1469.	10.3	18
4	Evaluating the cytocompatibility and differentiation of bone progenitors on electrospun zein scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 173-185.	2.7	10
5	Biodegradable zinc oxide composite scaffolds promote osteochondral differentiation of mesenchymal stem cells. Biotechnology and Bioengineering, 2020, 117, 194-209.	3.3	49
6	Fibrous scaffolds for bone tissue engineering. , 2020, , 351-382.		3
7	Comparative Study of Electrospun Scaffolds Containing Native GAGs and a GAG Mimetic for Human Mesenchymal Stem Cell Chondrogenesis. Annals of Biomedical Engineering, 2020, 48, 2040-2052.	2.5	12
8	Investigation of glycosaminoglycan mimetic scaffolds for neurite growth. Acta Biomaterialia, 2019, 90, 169-178.	8.3	24
9	Investigating cellulose derived glycosaminoglycan mimetic scaffolds for cartilage tissue engineering applications. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e592-e603.	2.7	28
10	Aligned fibrous PVDF-TrFE scaffolds with Schwann cells support neurite extension and myelination <i>in vitro</i>. Journal of Neural Engineering, 2018, 15, 056010.	3.5	51
11	Controlled Release of Vanadium from a Composite Scaffold Stimulates Mesenchymal Stem Cell Osteochondrogenesis. AAPS Journal, 2017, 19, 1017-1028.	4.4	13
12	<sup />Gelatin Scaffolds Containing Partially Sulfated Cellulose Promote Mesenchymal Stem Cell Chondrogenesis. Tissue Engineering - Part A, 2017, 23, 1011-1021.	3.1	17
13	Three-dimensional piezoelectric fibrous scaffolds selectively promote mesenchymal stem cell differentiation. Biomaterials, 2017, 149, 51-62.	11.4	178
14	Transplantation of Schwann Cells Inside PVDF-TrFE Conduits to Bridge Transected Rat Spinal Cord Stumps to Promote Axon Regeneration Across the Gap. Journal of Visualized Experiments, 2017, , .	0.3	8
15	Enhanced noradrenergic axon regeneration into schwann cellâ€filled PVDFâ€TrFE conduits after complete spinal cord transection. Biotechnology and Bioengineering, 2017, 114, 444-456.	3.3	58
16	Structural Support for Damaged Tissue Repair. American Scientist, 2017, 105, 298.	0.1	2
17	The effect of PVDFâ€TrFE scaffolds on stem cell derived cardiovascular cells. Biotechnology and Bioengineering, 2016, 113, 1577-1585.	3.3	83
18	Sodium Tungstate for Promoting Mesenchymal Stem Cell Chondrogenesis. Stem Cells and Development, 2016, 25, 1909-1918.	2.1	4

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19	The Biology of Bone and Ligament Healing. Foot and Ankle Clinics, 2016, 21, 739-761.	1.3	56
20	Bioengineering Models for Breast Cancer Research. Breast Cancer: Basic and Clinical Research, 2015, 9s2, BCBCR.S29424.	1.1	17
21	Evaluating protein incorporation and release in electrospun composite scaffolds for bone tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2015, 103, 3117-3127.	4.0	15
22	Investigating Breast Cancer Cell Behavior Using Tissue Engineering Scaffolds. PLoS ONE, 2015, 10, e0118724.	2.5	46
23	Response of stem cells from different origins to biphasic calcium phosphate bioceramics. Cell and Tissue Research, 2015, 361, 477-495.	2.9	42
24	Piezoelectric materials for tissue regeneration: A review. Acta Biomaterialia, 2015, 24, 12-23.	8.3	404
25	An investigation of common crosslinking agents on the stability of electrospun collagen scaffolds. Journal of Biomedical Materials Research - Part A, 2015, 103, 762-771.	4.0	100
26	In Vitro and In Vivo Evaluation of Composite Scaffolds for Bone Tissue Engineering. , 2015, , 1-22.		0
27	Examining the formulation of emulsion electrospinning for improving the release of bioactive proteins from electrospun fibers. Journal of Biomedical Materials Research - Part A, 2014, 102, 674-684.	4.0	65
28	Evaluating apatite formation and osteogenic activity of electrospun composites for bone tissue engineering. Biotechnology and Bioengineering, 2014, 111, 1000-1017.	3.3	34
29	Structural changes in PVDF fibers due to electrospinning and its effect on biological function. Biomedical Materials (Bristol), 2013, 8, 045007.	3.3	138
30	The Influence of Piezoelectric Scaffolds on Neural Differentiation of Human Neural Stem/Progenitor Cells. Tissue Engineering - Part A, 2012, 18, 2063-2072.	3.1	92
31	Structure and morphology of electrospun collagen blends. Bioinspired, Biomimetic and Nanobiomaterials, 2012, 1, 202-213.	0.9	4
32	Microscale Versus Nanoscale Scaffold Architecture for Mesenchymal Stem Cell Chondrogenesis. Tissue Engineering - Part A, 2011, 17, 831-840.	3.1	61
33	Neurite extension of primary neurons on electrospun piezoelectric scaffolds. Acta Biomaterialia, 2011, 7, 3877-3886.	8.3	171
34	Electrospun Nanofibrous Materials for Neural Tissue Engineering. Polymers, 2011, 3, 413-426.	4.5	123
35	Growth Factor Delivery from Electrospun Materials. Journal of Biomaterials and Tissue Engineering, 2011, 1, 129-138.	0.1	5
36	Mesenchymal stem cells accelerate bone allograft incorporation in the presence of diabetes mellitus. Journal of Orthopaedic Research, 2010, 28, 942-949.	2.3	41

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37	Biphasic Calcium Phosphate Ceramics for Bone Regeneration and Tissue Engineering Applications. Materials, 2010, 3, 815-826.	2.9	172
38	Use of GAG-like polysaccharides to engineer hydrogel-filled nanofibrous structures. , 2010, , .		0
39	An evaluation of the osteoinductive properties of bioactive composites. , 2010, , .		2
40	A novel, composite scaffold for bone repair. , 2009, , .		0
41	Osteogenic differentiation of human mesenchymal stem cells on poly(ethylene glycol)â€variant biomaterials. Journal of Biomedical Materials Research - Part A, 2009, 91A, 975-984.	4.0	40
42	A comparative study of biphasic calcium phosphate ceramics for human mesenchymal stem-cell-induced bone formation. Biomaterials, 2005, 26, 3631-3638.	11.4	431
43	Mesenchymal Stem Cells for Bone Repair: Preclinical Studies and Potential Orthopedic Applications. Foot and Ankle Clinics, 2005, 10, 651-665.	1.3	86
44	ALLOGENEIC MESENCHYMAL STEM CELLS REGENERATE BONE IN A CRITICAL-SIZED CANINE SEGMENTAL DEFECT. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1927-1935.	3.0	434
45	New Bone Grafting Technologies Using Stem Cells. , 0, , 287-298.		0