Brenda M Ogle

List of Publications by Year
in descending order

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43	2,051	279798	265206
papers	citations	23 h-index	42 g-index

46	46	46	3289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laminin 411 mediates endothelial specification via multiple signaling axes that converge on Î²-catenin. Stem Cell Reports, 2022, 17, 569-583.	4.8	9
2	Developmental lineage of human pluripotent stem cellâ€derived cardiac fibroblasts affects their functional phenotype. FASEB Journal, 2021, 35, e21799.	0.5	6
3	Kinases of the Focal Adhesion Complex Contribute to Cardiomyocyte Specification. International Journal of Molecular Sciences, 2021, 22, 10430.	4.1	2
4	Implementing Biological Pacemakers: Design Criteria for Successful Transition From Concept to Clinic. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009957.	4.8	10
5	In Situ Expansion, Differentiation, and Electromechanical Coupling of Human Cardiac Muscle in a 3D Bioprinted, Chambered Organoid. Circulation Research, 2020, 127, 207-224.	4.5	174
6	Bioprinting: 3D Printed Organ Models with Physical Properties of Tissue and Integrated Sensors (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.8	0
7	Body builder: from synthetic cells to engineered tissues. Current Opinion in Cell Biology, 2018, 54, 37-42.	5.4	15
8	Moving Upwards: A Simple and Flexible In Vitro Three-dimensional Invasion Assay Protocol. Journal of Visualized Experiments, 2018, , .	0.3	1
9	Cardiac Extracellular Matrix Modification as a Therapeutic Approach. Advances in Experimental Medicine and Biology, 2018, 1098, 131-150.	1.6	12
10	Imaging the Cardiac Extracellular Matrix. Advances in Experimental Medicine and Biology, 2018, 1098, 21-44.	1.6	12
11	A 3D in vitro model of the dermoepidermal junction amenable to mechanical testing. Journal of Biomedical Materials Research - Part A, 2018, 106, 3231-3238.	4.0	8
12	Developmental Pathways Pervade Stem Cell Responses to Evolving Extracellular Matrices of 3D Bioprinted Microenvironments. Stem Cells International, 2018, 2018, 1-15.	2.5	2
13	3D Printed Organ Models with Physical Properties of Tissue and Integrated Sensors. Advanced Materials Technologies, 2018, 3, 1700235.	5.8	50
14	From Microscale Devices to 3D Printing. Circulation Research, 2017, 120, 150-165.	4.5	71
15	Myocardial Tissue Engineering With Cells Derived From Human-Induced Pluripotent Stem Cells and a Native-Like, High-Resolution, 3-Dimensionally Printed Scaffold. Circulation Research, 2017, 120, 1318-1325.	4.5	254
16	An In Vitro Inverted Vertical Invasion Assay to Avoid Manipulation of Rare or Sensitive Cell Types. Journal of Cancer, 2016, 7, 2333-2340.	2.5	9
17	Viral-mediated fusion of mesenchymal stem cells with cells of the infarcted heart hinders healing via decreased vascularization and immune modulation. Scientific Reports, 2016, 6, 20283.	3.3	5
18	Simple Monolayer Differentiation of Murine Cardiomyocytes via Nutrient Deprivation-Mediated Activation of Î²-Catenin. Stem Cell Reviews and Reports, 2016, 12, 731-743.	5.6	2

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19	Solid organ fabrication: comparison of decellularization to 3D bioprinting. Biomaterials Research, 2016, 20, 27.	6.9	77
20	Distilling complexity to advance cardiac tissue engineering. Science Translational Medicine, 2016, 8, 342ps13.	12.4	138
21	Heterogeneous Differentiation of Human Mesenchymal Stem Cells in 3D Extracellular Matrix Composites. BioResearch Open Access, 2016, 5, 37-48.	2.6	27
22	Single-cell RNA-seq reveals activation of unique gene groups as a consequence of stem cell-parenchymal cell fusion. Scientific Reports, 2016, 6, 23270.	3.3	20
23	An integrated statistical model for enhanced murine cardiomyocyte differentiation via optimized engagement of 3D extracellular matrices. Scientific Reports, 2015, 5, 18705.	3.3	49
24	Single-Cell RNA-Seq of Bone Marrow-Derived Mesenchymal Stem Cells Reveals Unique Profiles of Lineage Priming. PLoS ONE, 2015, 10, e0136199.	2.5	61
25	Tracking Fusion of Human Mesenchymal Stem Cells After Transplantation to the Heart. Stem Cells Translational Medicine, 2015, 4, 685-694.	3.3	29
26	Advanced imaging approaches for regenerative medicine: Emerging technologies for monitoring stem cell fate in vitro and in vivo. Biotechnology Journal, 2015, 10, 1515-1528.	3.5	21
27	Endogenous Optical Signals Reveal Changes of Elastin and Collagen Organization During Differentiation of Mouse Embryonic Stem Cells. Tissue Engineering - Part C: Methods, 2015, 21, 995-1004.	2.1	13
28	Apoptosisâ€induced cancer cell fusion: a mechanism of breast cancer metastasis. FASEB Journal, 2015, 29, 4036-4045.	0.5	72
29	Cardiac Fibroblast-Derived 3D Extracellular Matrix Seeded with Mesenchymal Stem Cells as a Novel Device to Transfer Cells to the Ischemic Myocardium. Cardiovascular Engineering and Technology, 2014, 5, 119-131.	1.6	48
30	3D spectral imaging with synchrotron Fourier transform infrared spectro-microtomography. Nature Methods, 2013, 10, 861-864.	19.0	91
31	ECM-Incorporated Hydrogels Cross-Linked via Native Chemical Ligation To Engineer Stem Cell Microenvironments. Biomacromolecules, 2013, 14, 3102-3111.	5.4	30
32	Spatial and Temporal Analysis of Extracellular Matrix Proteins in the Developing Murine Heart: A Blueprint for Regeneration. Tissue Engineering - Part A, 2013, 19, 1132-1143.	3.1	65
33	Image-inspired 3D multiphoton excited fabrication of extracellular matrix structures by modulated raster scanning. Optics Express, 2013, 21, 25346.	3.4	28
34	Editorial: Stem cell engineering â€“ discovery, diagnostics and therapies. Biotechnology Journal, 2013, 8, 390-391.	3.5	4
35	Mesenchymal Stem Cell Interactions with 3D ECM Modules Fabricated via Multiphoton Excited Photochemistry. Biomacromolecules, 2012, 13, 2917-2925.	5.4	35
36	Heterogeneous Differentiation of Human Mesenchymal Stem Cells in Response to Extended Culture in Extracellular Matrices. Tissue Engineering - Part A, 2009, 15, 3911-3922.	3.1	54

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37	Effacing of the T Cell Compartment by Cardiac Transplantation in Infancy. Journal of Immunology, 2006, 176, 1962-1967.	0.8	50
38	Biological implications of cell fusion. Nature Reviews Molecular Cell Biology, 2005, 6, 567-575.	37.0	284
39	Spontaneous fusion of cells between species yields transdifferentiation and retroviral transfer in vivo. FASEB Journal, 2004, 18, 548-550.	0.5	70
40	B Cell-Dependent TCR Diversification. Journal of Immunology, 2004, 172, 4709-4716.	0.8	75
41	Manipulation of Remodeling Pathways to Enhance the Mechanical Properties of a Tissue Engineered Blood Vessel. Journal of Biomechanical Engineering, 2002, 124, 724-733.	1.3	19
42	The Role of Vascular Smooth Muscle Cell Integrins in the Compaction and Mechanical Strengthening of a Tissue-Engineered Blood Vessel. Tissue Engineering, 1999, 5, 387-402.	4.6	27
43	Myosin Heavy Chain Converter Domain Mutations Drive Early-Stage Changes in Extracellular Matrix Dynamics in Hypertrophic Cardiomyopathy. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	8