

Brenda M Ogle

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,051
citations

279798

23
h-index

265206

42
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46
all docs

46
docs citations

46
times ranked

3289
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological implications of cell fusion. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 567-575.	37.0	284
2	Myocardial Tissue Engineering With Cells Derived From Human-Induced Pluripotent Stem Cells and a Native-Like, High-Resolution, 3-Dimensionally Printed Scaffold. <i>Circulation Research</i> , 2017, 120, 1318-1325.	4.5	254
3	In Situ Expansion, Differentiation, and Electromechanical Coupling of Human Cardiac Muscle in a 3D Bioprinted, Chambered Organoid. <i>Circulation Research</i> , 2020, 127, 207-224.	4.5	174
4	Distilling complexity to advance cardiac tissue engineering. <i>Science Translational Medicine</i> , 2016, 8, 342ps13.	12.4	138
5	3D spectral imaging with synchrotron Fourier transform infrared spectro-microtomography. <i>Nature Methods</i> , 2013, 10, 861-864.	19.0	91
6	Solid organ fabrication: comparison of decellularization to 3D bioprinting. <i>Biomaterials Research</i> , 2016, 20, 27.	6.9	77
7	B Cell-Dependent TCR Diversification. <i>Journal of Immunology</i> , 2004, 172, 4709-4716.	0.8	75
8	Apoptosis-induced cancer cell fusion: a mechanism of breast cancer metastasis. <i>FASEB Journal</i> , 2015, 29, 4036-4045.	0.5	72
9	From Microscale Devices to 3D Printing. <i>Circulation Research</i> , 2017, 120, 150-165.	4.5	71
10	Spontaneous fusion of cells between species yields transdifferentiation and retroviral transfer in vivo. <i>FASEB Journal</i> , 2004, 18, 548-550.	0.5	70
11	Spatial and Temporal Analysis of Extracellular Matrix Proteins in the Developing Murine Heart: A Blueprint for Regeneration. <i>Tissue Engineering - Part A</i> , 2013, 19, 1132-1143.	3.1	65
12	Single-Cell RNA-Seq of Bone Marrow-Derived Mesenchymal Stem Cells Reveals Unique Profiles of Lineage Priming. <i>PLoS ONE</i> , 2015, 10, e0136199.	2.5	61
13	Heterogeneous Differentiation of Human Mesenchymal Stem Cells in Response to Extended Culture in Extracellular Matrices. <i>Tissue Engineering - Part A</i> , 2009, 15, 3911-3922.	3.1	54
14	Effacing of the T Cell Compartment by Cardiac Transplantation in Infancy. <i>Journal of Immunology</i> , 2006, 176, 1962-1967.	0.8	50
15	3D Printed Organ Models with Physical Properties of Tissue and Integrated Sensors. <i>Advanced Materials Technologies</i> , 2018, 3, 1700235.	5.8	50
16	An integrated statistical model for enhanced murine cardiomyocyte differentiation via optimized engagement of 3D extracellular matrices. <i>Scientific Reports</i> , 2015, 5, 18705.	3.3	49
17	Cardiac Fibroblast-Derived 3D Extracellular Matrix Seeded with Mesenchymal Stem Cells as a Novel Device to Transfer Cells to the Ischemic Myocardium. <i>Cardiovascular Engineering and Technology</i> , 2014, 5, 119-131.	1.6	48
18	Mesenchymal Stem Cell Interactions with 3D ECM Modules Fabricated via Multiphoton Excited Photochemistry. <i>Biomacromolecules</i> , 2012, 13, 2917-2925.	5.4	35

#	ARTICLE	IF	CITATIONS
19	ECM-Incorporated Hydrogels Cross-Linked via Native Chemical Ligation To Engineer Stem Cell Microenvironments. <i>Biomacromolecules</i> , 2013, 14, 3102-3111.	5.4	30
20	Tracking Fusion of Human Mesenchymal Stem Cells After Transplantation to the Heart. <i>Stem Cells Translational Medicine</i> , 2015, 4, 685-694.	3.3	29
21	Image-inspired 3D multiphoton excited fabrication of extracellular matrix structures by modulated raster scanning. <i>Optics Express</i> , 2013, 21, 25346.	3.4	28
22	The Role of Vascular Smooth Muscle Cell Integrins in the Compaction and Mechanical Strengthening of a Tissue-Engineered Blood Vessel. <i>Tissue Engineering</i> , 1999, 5, 387-402.	4.6	27
23	Heterogeneous Differentiation of Human Mesenchymal Stem Cells in 3D Extracellular Matrix Composites. <i>BioResearch Open Access</i> , 2016, 5, 37-48.	2.6	27
24	Advanced imaging approaches for regenerative medicine: Emerging technologies for monitoring stem cell fate in vitro and in vivo. <i>Biotechnology Journal</i> , 2015, 10, 1515-1528.	3.5	21
25	Single-cell RNA-seq reveals activation of unique gene groups as a consequence of stem cell-parenchymal cell fusion. <i>Scientific Reports</i> , 2016, 6, 23270.	3.3	20
26	Manipulation of Remodeling Pathways to Enhance the Mechanical Properties of a Tissue Engineered Blood Vessel. <i>Journal of Biomechanical Engineering</i> , 2002, 124, 724-733.	1.3	19
27	Body builder: from synthetic cells to engineered tissues. <i>Current Opinion in Cell Biology</i> , 2018, 54, 37-42.	5.4	15
28	Endogenous Optical Signals Reveal Changes of Elastin and Collagen Organization During Differentiation of Mouse Embryonic Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 995-1004.	2.1	13
29	Cardiac Extracellular Matrix Modification as a Therapeutic Approach. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1098, 131-150.	1.6	12
30	Imaging the Cardiac Extracellular Matrix. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1098, 21-44.	1.6	12
31	Implementing Biological Pacemakers: Design Criteria for Successful Transition From Concept to Clinic. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009957.	4.8	10
32	An <i>In Vitro</i> Inverted Vertical Invasion Assay to Avoid Manipulation of Rare or Sensitive Cell Types. <i>Journal of Cancer</i> , 2016, 7, 2333-2340.	2.5	9
33	Laminin 411 mediates endothelial specification via multiple signaling axes that converge on β -catenin. <i>Stem Cell Reports</i> , 2022, 17, 569-583.	4.8	9
34	A 3D <i>in vitro</i> model of the dermoepidermal junction amenable to mechanical testing. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3231-3238.	4.0	8
35	Myosin Heavy Chain Converter Domain Mutations Drive Early-Stage Changes in Extracellular Matrix Dynamics in Hypertrophic Cardiomyopathy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	8
36	Developmental lineage of human pluripotent stem cell-derived cardiac fibroblasts affects their functional phenotype. <i>FASEB Journal</i> , 2021, 35, e21799.	0.5	6

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37	Viral-mediated fusion of mesenchymal stem cells with cells of the infarcted heart hinders healing via decreased vascularization and immune modulation. <i>Scientific Reports</i> , 2016, 6, 20283.	3.3	5
38	Editorial: Stem cell engineering “ discovery, diagnostics and therapies. <i>Biotechnology Journal</i> , 2013, 8, 390-391.	3.5	4
39	Simple Monolayer Differentiation of Murine Cardiomyocytes via Nutrient Deprivation-Mediated Activation of β -Catenin. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 731-743.	5.6	2
40	Developmental Pathways Pervade Stem Cell Responses to Evolving Extracellular Matrices of 3D Bioprinted Microenvironments. <i>Stem Cells International</i> , 2018, 2018, 1-15.	2.5	2
41	Kinases of the Focal Adhesion Complex Contribute to Cardiomyocyte Specification. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10430.	4.1	2
42	Moving Upwards: A Simple and Flexible <i>In Vitro</i> Three-dimensional Invasion Assay Protocol. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
43	Bioprinting: 3D Printed Organ Models with Physical Properties of Tissue and Integrated Sensors (Adv.) <i>Tj ETQq1 1 0,784314 rgBT /Overl</i>	5.8	9