

Janet Zoldan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,323
citations

623734

14
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501196

28
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32
all docs

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docs citations

32
times ranked

2619
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpenetrating polymer network hydrogels as bioactive scaffolds for tissue engineering. <i>Reviews in Chemical Engineering</i> , 2022, 38, 347-361.	4.4	28
2	Biomechanical Dependence of SARS-CoV-2 Infections. <i>ACS Applied Bio Materials</i> , 2022, 5, 2307-2315.	4.6	1
3	Phototunable interpenetrating polymer network hydrogels to stimulate the vasculogenesis of stem cell-derived endothelial progenitors. <i>Acta Biomaterialia</i> , 2021, 122, 133-144.	8.3	12
4	Perivascular Secretome Influences Hematopoietic Stem Cell Maintenance in a Gelatin Hydrogel. <i>Annals of Biomedical Engineering</i> , 2021, 49, 780-792.	2.5	16
5	An In Vitro 3D Model and Computational Pipeline to Quantify the Vasculogenic Potential of iPSC-Derived Endothelial Progenitors. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	9
6	The Role of Reactive Oxygen Species in In Vitro Cardiac Maturation. <i>Trends in Molecular Medicine</i> , 2019, 25, 482-493.	6.7	17
7	Mimicking the physical cues of the ECM in angiogenic biomaterials. <i>International Journal of Energy Production and Management</i> , 2019, 6, 61-73.	3.7	57
8	Non-Destructive Reflectance Mapping of Collagen Fiber Alignment in Heart Valve Leaflets. <i>Annals of Biomedical Engineering</i> , 2019, 47, 1250-1264.	2.5	28
9	Temporal Impact of Substrate Anisotropy on Differentiating Cardiomyocyte Alignment and Functionality. <i>Tissue Engineering - Part A</i> , 2019, 25, 1426-1437.	3.1	17
10	Quantifying the Vasculogenic Potential of Induced Pluripotent Stem Cell-Derived Endothelial Progenitors in Collagen Hydrogels. <i>Tissue Engineering - Part A</i> , 2019, 25, 746-758.	3.1	27
11	The Display of Single-Domain Antibodies on the Surfaces of Connectosomes Enables Gap Junction-Mediated Drug Delivery to Specific Cell Populations. <i>Biochemistry</i> , 2018, 57, 81-90.	2.5	14
12	Moving iPSC-Derived Cardiomyocytes Forward to Treat Myocardial Infarction. <i>Cell Stem Cell</i> , 2018, 23, 322-323.	11.1	12
13	Commonly used thiol-containing antioxidants reduce cardiac differentiation and alter gene expression ratios of sarcomeric isoforms. <i>Experimental Cell Research</i> , 2018, 370, 150-159.	2.6	6
14	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200c-SIRT2 axis. <i>Nature Cell Biology</i> , 2017, 19, 445-456.	10.3	138
15	Regenerated cellulose micro-nano fiber matrices for transdermal drug release. <i>Materials Science and Engineering C</i> , 2017, 74, 485-492.	7.3	47
16	Synthetic microparticles conjugated with VEGF165 improve the survival of endothelial progenitor cells via microRNA-17 inhibition. <i>Nature Communications</i> , 2017, 8, 747.	12.8	35
17	Glycogen synthase kinase-3 inhibition sensitizes human induced pluripotent stem cells to thiol-containing antioxidants induced apoptosis. <i>Stem Cell Research</i> , 2017, 23, 182-187.	0.7	11
18	Electrospun poly(N-isopropyl acrylamide)/poly(caprolactone) fibers for the generation of anisotropic cell sheets. <i>Biomaterials Science</i> , 2017, 5, 1661-1669.	5.4	30

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19	<i>In vitro</i> photoacoustic sensing of calcium dynamics with arsenazo III. <i>Laser Physics Letters</i> , 2016, 13, 075603.	1.4	12
20	Gene Transfection for Stem Cell Therapy. <i>Current Stem Cell Reports</i> , 2016, 2, 52-61.	1.6	18
21	Monitoring protein synthesis in single live cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 645-653.	1.3	11
22	A vector-free microfluidic platform for intracellular delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2082-2087.	7.1	386
23	Toxicogenomic analysis of a sustained release local anesthetic delivery system. <i>Biomaterials</i> , 2012, 33, 3586-3593.	11.4	10
24	Directing human embryonic stem cell differentiation by non-viral delivery of siRNA in 3D culture. <i>Biomaterials</i> , 2011, 32, 7793-7800.	11.4	42
25	The influence of scaffold elasticity on germ layer specification of human embryonic stem cells. <i>Biomaterials</i> , 2011, 32, 9612-9621.	11.4	130
26	Effect of Scaffold Stiffness on Myoblast Differentiation. <i>Tissue Engineering - Part A</i> , 2009, 15, 935-944.	3.1	119
27	Porous Polycaprolactone~Polystyrene Semi-interpenetrating Polymer Networks Synthesized within High Internal Phase Emulsions. <i>Macromolecules</i> , 2008, 41, 1469-1474.	4.8	76
28	Engineering Three~Dimensional Tissue Structures Using Stem Cells. <i>Methods in Enzymology</i> , 2006, 420, 381-391.	1.0	8
29	Polypropylene/Nylon-66/Carbon Black Blends Processed at Temperatures Just Below the Nylon Melting: Anisotropy in Structure and Properties. <i>Macromolecular Symposia</i> , 2006, 233, 123-131.	0.7	5