

Janet Zoldan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1000181/publications.pdf>

Version: 2024-02-01

29
papers

1,323
citations

623734

14
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

2619
citing authors

#	ARTICLE	IF	CITATIONS
1	A vector-free microfluidic platform for intracellular delivery. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2082-2087.	7.1	386
2	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200câ€“SIRT2 axis. Nature Cell Biology, 2017, 19, 445-456.	10.3	138
3	The influence of scaffold elasticity on germ layer specification of human embryonic stem cells. Biomaterials, 2011, 32, 9612-9621.	11.4	130
4	Effect of Scaffold Stiffness on Myoblast Differentiation. Tissue Engineering - Part A, 2009, 15, 935-944.	3.1	119
5	Porous Polycaprolactoneâˆ“Polystyrene Semi-interpenetrating Polymer Networks Synthesized within High Internal Phase Emulsions. Macromolecules, 2008, 41, 1469-1474.	4.8	76
6	Mimicking the physical cues of the ECM in angiogenic biomaterials. International Journal of Energy Production and Management, 2019, 6, 61-73.	3.7	57
7	Regenerated cellulose micro-nano fiber matrices for transdermal drug release. Materials Science and Engineering C, 2017, 74, 485-492.	7.3	47
8	Directing human embryonic stem cell differentiation by non-viral delivery of siRNA in 3D culture. Biomaterials, 2011, 32, 7793-7800.	11.4	42
9	Synthetic microparticles conjugated with VEGF165 improve the survival of endothelial progenitor cells via microRNA-17 inhibition. Nature Communications, 2017, 8, 747.	12.8	35
10	Electrospun poly(N-isopropyl acrylamide)/poly(caprolactone) fibers for the generation of anisotropic cell sheets. Biomaterials Science, 2017, 5, 1661-1669.	5.4	30
11	Non-Destructive Reflectance Mapping of Collagen Fiber Alignment in Heart Valve Leaflets. Annals of Biomedical Engineering, 2019, 47, 1250-1264.	2.5	28
12	Interpenetrating polymer network hydrogels as bioactive scaffolds for tissue engineering. Reviews in Chemical Engineering, 2022, 38, 347-361.	4.4	28
13	Quantifying the Vasculogenic Potential of Induced Pluripotent Stem Cell-Derived Endothelial Progenitors in Collagen Hydrogels. Tissue Engineering - Part A, 2019, 25, 746-758.	3.1	27
14	Gene Transfection for Stem Cell Therapy. Current Stem Cell Reports, 2016, 2, 52-61.	1.6	18
15	The Role of Reactive Oxygen Species in In Vitro Cardiac Maturation. Trends in Molecular Medicine, 2019, 25, 482-493.	6.7	17
16	Temporal Impact of Substrate Anisotropy on Differentiating Cardiomyocyte Alignment and Functionality. Tissue Engineering - Part A, 2019, 25, 1426-1437.	3.1	17
17	Perivascular Secretome Influences Hematopoietic Stem Cell Maintenance in a Gelatin Hydrogel. Annals of Biomedical Engineering, 2021, 49, 780-792.	2.5	16
18	The Display of Single-Domain Antibodies on the Surfaces of Connectosomes Enables Gap Junction-Mediated Drug Delivery to Specific Cell Populations. Biochemistry, 2018, 57, 81-90.	2.5	14

#	ARTICLE	IF	CITATIONS
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	Moving iPSC-Derived Cardiomyocytes Forward to Treat Myocardial Infarction. <i>Cell Stem Cell</i> , 2018, 23, 322-323.	11.1	12
21	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
22	Monitoring protein synthesis in single live cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 645-653.	1.3	11
23	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
24	Toxicogenomic analysis of a sustained release local anesthetic delivery system. <i>Biomaterials</i> , 2012, 33, 3586-3593.	11.4	10
25	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
26	Engineering Threeâ€³Dimensional Tissue Structures Using Stem Cells. <i>Methods in Enzymology</i> , 2006, 420, 381-391.	1.0	8
27	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
28	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
29	Biomechanical Dependence of SARS-CoV-2 Infections. <i>ACS Applied Bio Materials</i> , 2022, 5, 2307-2315.	4.6	1