Fiona Louis

List of Publications by Year
in descending order

20 papers	423 citations	933447 10 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	470 citing authors

#	Article	IF	Citations
1	Engineered whole cut meat-like tissue by the assembly of cell fibers using tendon-gel integrated bioprinting. Nature Communications, 2021, 12, 5059.	12.8	141
2	3D collagen microfibers stimulate the functionality of preadipocytes and maintain the phenotype of mature adipocytes for long term cultures. Acta Biomaterialia, 2019, 84, 194-207.	8.3	56
3	RhoGTPases as Key Players in Mammalian Cell Adaptation to Microgravity. BioMed Research International, 2015, 2015, 1-17.	1.9	34
4	Bioprinted Vascularized Mature Adipose Tissue with Collagen Microfibers for Soft Tissue Regeneration. Cyborg and Bionic Systems, 2021, 2021, .	7.9	30
5	Seeing Elastin: A Near-Infrared Zwitterionic Fluorescent Probe for InÂVivo Elastin Imaging. CheM, 2018, 4, 1128-1138.	11.7	28
6	Adipose tissue engineering. , 2020, , 393-423.		26
7	A biomimetic hydrogel functionalized with adipose ECM components as a microenvironment for the 3D culture of human and murine adipocytes. Biotechnology and Bioengineering, 2017, 114, 1813-1824.	3.3	23
8	In vitro fabrication and application of engineered vascular hydrogels. Polymer Journal, 2020, 52, 871-881.	2.7	13
9	A Nearâ€Infrared Organic Fluorescent Probe for Broad Applications for Blood Vessels Imaging by Highâ€Throughput Screening via 3Dâ€Blood Vessel Models. Small Methods, 2021, 5, e2100338.	8.6	13
10	Brain microvascular endothelial cells derived from human induced pluripotent stem cells as in vitro model for assessing blood-brain barrier transferrin receptor-mediated transcytosis. Materials Today Bio, 2022, 14, 100232.	5.5	13
11	RhoGTPase stimulation is associated with strontium chloride treatment to counter simulated microgravity-induced changes in multipotent cell commitment. Npj Microgravity, 2017, 3, 7.	3.7	10
12	Fabrication of Blood Capillary Models for Live Imaging Microarray Analysis. Micromachines, 2020, 11, 727.	2.9	7
13	Effects of radiofrequency and ultrasound on the turnover rate of skin aging components (skin) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Research Communications, 2020, 525, 73-79.	2.1	7
14	High-throughput drug screening models of mature adipose tissues which replicate the physiology of patientsâ€™ Body Mass Index (BMI). Bioactive Materials, 2022, 7, 227-241.	15.6	7
15	Fabrication Methods of Sustainable Hydrogels. , 2019, , 355-386.		5
16	The iron regulatory proteins are defective in repressing translationviaexogenous 5â€² iron responsive elements despite their relative abundance in leukemic cellular models. Metallomics, 2018, 10, 639-649.	2.4	4
17	Direct Conversion of Human Fibroblasts into Adipocytes Using a Novel Small Molecular Compound: Implications for Regenerative Therapy for Adipose Tissue Defects. Cells, 2021, 10, 605.	4.1	4
18	Mechanism assay of interaction between blood vessels-near infrared probe and cell surface marker proteins of endothelial cells. Materials Today Bio, 2022, 15, 100332.	5.5	1

#	Article	IF	Citations
19	A Nearâ€Infrared Organic Fluorescent Probe for Broad Applications for Blood Vessels Imaging by Highâ€Throughput Screening via 3Dâ€Blood Vessel Models (Small Methods 8/2021). Small Methods, 2021, 5, 2170036.	8.6	0
20	Abstract 4266: Reproducible spheroid formation using functionalized hyaluronan 3D scaffolds. , 2016, , .		0