

Elisa Cimetta

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,033
citations

393982

19
h-index

476904

29
g-index

36
all docs

36
docs citations

36
times ranked

1876
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling-based design specifications for microfluidic gradients generators for biomedical applications. <i>Biochemical Engineering Journal</i> , 2022, 181, 108415.	1.8	3
2	Engineering complexity in human tissue models of cancer. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114181.	6.6	10
3	Verteporfin induces apoptosis and reduces the stem cell-like properties in Neuroblastoma tumour-initiating cells through inhibition of the YAP/TAZ pathway. <i>European Journal of Pharmacology</i> , 2021, 893, 173829.	1.7	9
4	Development of an in vitro neuroblastoma 3D model and its application for sterigmatocystin-induced cytotoxicity testing. <i>Food and Chemical Toxicology</i> , 2021, 157, 112605.	1.8	7
5	Mini-review: advances in 3D bioprinting of vascularized constructs. <i>Biology Direct</i> , 2020, 15, 22.	1.9	18
6	Microfluidic Platform for Microalgae Cultivation under Non-limiting CO ₂ Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18036-18045.	1.8	6
7	Live imaging of stem cells in the gerarium of the <i>Drosophila</i> ovary using a reusable gas-permeable imaging chamber. <i>Nature Protocols</i> , 2018, 13, 2601-2614.	5.5	12
8	Human-Induced Pluripotent Stem Cell Technology and Cardiomyocyte Generation: Progress and Clinical Applications. <i>Cells</i> , 2018, 7, 48.	1.8	49
9	Alternative direct stem cell derivatives defined by stem cell location and graded Wnt signalling. <i>Nature Cell Biology</i> , 2017, 19, 433-444.	4.6	58
10	Novel micro-photobioreactor design and monitoring method for assessing microalgae response to light intensity. <i>Algal Research</i> , 2016, 19, 69-76.	2.4	27
11	“The state of the heart” Recent advances in engineering human cardiac tissue from pluripotent stem cells. <i>Experimental Biology and Medicine</i> , 2015, 240, 1008-1018.	1.1	8
12	Galvanic microparticles increase migration of human dermal fibroblasts in a wound-healing model via reactive oxygen species pathway. <i>Experimental Cell Research</i> , 2014, 320, 79-91.	1.2	26
13	Microscale technologies for regulating human stem cell differentiation. <i>Experimental Biology and Medicine</i> , 2014, 239, 1255-1263.	1.1	21
14	Principles of Bioreactor Design for Tissue Engineering. , 2014, , 261-278.		2
15	Bioreactors for Tissue Engineering. , 2013, , 1178-1194.		2
16	Bioengineering heart tissue for in vitro testing. <i>Current Opinion in Biotechnology</i> , 2013, 24, 926-932.	3.3	31
17	Microfluidic bioreactor for dynamic regulation of early mesodermal commitment in human pluripotent stem cells. <i>Lab on A Chip</i> , 2013, 13, 355-364.	3.1	51
18	Bioreactor engineering of stem cell environments. <i>Biotechnology Advances</i> , 2013, 31, 1020-1031.	6.0	53

#	ARTICLE	IF	CITATIONS
19	Biomimetic electrical stimulation platform for neural differentiation of retinal progenitor cells. , 2013, 2013, 5666-9.		4
20	Electrical stimulation via a biocompatible conductive polymer directs retinal progenitor cell differentiation. , 2013, 2013, 1627-31.		10
21	Portable bioreactor for perfusion and electrical stimulation of engineered cardiac tissue. , 2013, 2013, 6219-23.		14
22	Overview of Micro- and Nano-Technology Tools for Stem Cell Applications: Micropatterned and Microelectronic Devices. Sensors, 2012, 12, 15947-15982.	2.1	21
23	Microfluidic-driven viral infection on cell cultures: Theoretical and experimental study. Biomicrofluidics, 2012, 6, 24127-2412712.	1.2	19
24	Micropatterning Topology on Soft Substrates Affects Myoblast Proliferation and Differentiation. Langmuir, 2012, 28, 2718-2726.	1.6	54
25	Micro-Arrayed Human Embryonic Stem Cells-Derived Cardiomyocytes for In Vitro Functional Assay. PLoS ONE, 2012, 7, e48483.	1.1	26
26	The New York Stem Cell Foundation: Fifth Annual Translational Stem Cell Research Conference. Annals of the New York Academy of Sciences, 2011, 1226, 1-13.	1.8	1
27	Microtechnology for Stem Cell Culture. Pancreatic Islet Biology, 2011, , 465-482.	0.1	0
28	Dynamic culture of droplet-confined cell arrays. Biotechnology Progress, 2010, 26, 220-231.	1.3	6
29	Microfluidic device generating stable concentration gradients for long term cell culture: application to Wnt3a regulation of β -catenin signaling. Lab on A Chip, 2010, 10, 3277.	3.1	81
30	Soft substrates drive optimal differentiation of human healthy and dystrophic myotubes. Integrative Biology (United Kingdom), 2010, 2, 193.	0.6	57
31	Muscle Differentiation and Myotubes Alignment Is Influenced by Micropatterned Surfaces and Exogenous Electrical Stimulation. Tissue Engineering - Part A, 2009, 15, 2447-2457.	1.6	55
32	Production of arrays of cardiac and skeletal muscle myofibers by micropatterning techniques on a soft substrate. Biomedical Microdevices, 2009, 11, 389-400.	1.4	78
33	Micro-bioreactor arrays for controlling cellular environments: Design principles for human embryonic stem cell applications. Methods, 2009, 47, 81-89.	1.9	110
34	Efficient Delivery of Human Single Fiber-Derived Muscle Precursor Cells via Biocompatible Scaffold. Cell Transplantation, 2008, 17, 577-584.	1.2	42
35	Satellite Cells Delivered by Micro-Patterned Scaffolds: A New Strategy for Cell Transplantation in Muscle Diseases. Tissue Engineering, 2007, 13, 253-262.	4.9	62