

Rui Yao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3952579/publications.pdf>

Version: 2024-02-01

19
papers

1,520
citations

567281

15
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

2222
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of bioink properties on printability and cell viability for 3D bioplotting of embryonic stem cells. <i>Biofabrication</i> , 2016, 8, 035020.	7.1	652
2	The influence of printing parameters on cell survival rate and printability in microextrusion-based 3D cell printing technology. <i>Biofabrication</i> , 2015, 7, 045002.	7.1	240
3	Three-dimensional bioprinting of embryonic stem cells directs highly uniform embryoid body formation. <i>Biofabrication</i> , 2015, 7, 044101.	7.1	124
4	Alginate and alginate/gelatin microspheres for human adipose-derived stem cell encapsulation and differentiation. <i>Biofabrication</i> , 2012, 4, 025007.	7.1	119
5	Three-dimensional printing: review of application in medicine and hepatic surgery. <i>Cancer Biology and Medicine</i> , 2016, 13, 443.	3.0	47
6	Biomimetic injectable HUVEC-adipocytes/collagen/alginate microsphere co-cultures for adipose tissue engineering. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1430-1443.	3.3	44
7	Design and Evaluation of a Cell Microencapsulating Device for Cell Assembly Technology. <i>Journal of Bioactive and Compatible Polymers</i> , 2009, 24, 48-62.	2.1	42
8	Triboelectric nanogenerators for electro-assisted cell printing. <i>Nano Energy</i> , 2020, 67, 104150.	16.0	36
9	Injectable cell/hydrogel microspheres induce the formation of fat lobule-like microtissues and vascularized adipose tissue regeneration. <i>Biofabrication</i> , 2012, 4, 045003.	7.1	35
10	Biomaterial-assisted scalable cell production for cell therapy. <i>Biomaterials</i> , 2020, 230, 119627.	11.4	33
11	Bioprinting of Stem Cells: Interplay of Bioprinting Process, Bioinks, and Stem Cell Properties. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3108-3124.	5.2	31
12	A biomimetic physiological model for human adipose tissue by adipocytes and endothelial cell cocultures with spatially controlled distribution. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 045005.	3.3	25
13	An integrated cell printing system for the construction of heterogeneous tissue models. <i>Acta Biomaterialia</i> , 2019, 95, 245-257.	8.3	24
14	Three-Dimensional Printing of Hydrogel Scaffolds with Hierarchical Structure for Scalable Stem Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2995-3004.	5.2	20
15	Stem Cells: Hepatic Differentiation of Human Embryonic Stem Cells as Microscaled Multilayered Colonies Leading to Enhanced Homogeneity and Maturation (<i>Small</i> 21/2014). <i>Small</i> , 2014, 10, 4310-4310.	10.0	18
16	Hepatic Differentiation of Human Embryonic Stem Cells as Microscaled Multilayered Colonies Leading to Enhanced Homogeneity and Maturation. <i>Small</i> , 2014, 10, 4311-4323.	10.0	15
17	Rapid and efficient in vivo angiogenesis directed by electro-assisted bioprinting of alginate/collagen microspheres with human umbilical vein endothelial cell coating layer. <i>International Journal of Bioprinting</i> , 2019, 5, 3.	3.4	9
18	Rapid and efficient angiogenesis directed by electro-assisted bioprinting of alginate/collagen microspheres with human umbilical vein endothelial cell coating layer. <i>International Journal of Bioprinting</i> , 2019, 5, 194.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Bio-Manufacturing Research Center at Tsinghua University. Bio-Design and Manufacturing, 2019, 2, 137-143.	7.7	1