Rui Yao

List of Publications by Year
in descending order

19	1,520	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	2222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Triboelectric nanogenerators for electro-assisted cell printing. Nano Energy, 2020, 67, 104150.	16.0	36
2	Biomaterial-assisted scalable cell production for cell therapy. Biomaterials, 2020, 230, 119627.	11.4	33
3	Three-Dimensional Printing of Hydrogel Scaffolds with Hierarchical Structure for Scalable Stem Cell Culture. ACS Biomaterials Science and Engineering, 2020, 6, 2995-3004.	5.2	20
4	Bio-Manufacturing Research Center at Tsinghua University. Bio-Design and Manufacturing, 2019, 2, 137-143.	7.7	1
5	An integrated cell printing system for the construction of heterogeneous tissue models. Acta Biomaterialia, 2019, 95, 245-257.	8.3	24
6	Rapid and efficient in vivo angiogenesis directed by electro-assisted bioprinting of alginate/collagen microspheres with human umbilical vein endothelial cell coating layer. International Journal of Bioprinting, 2019, 5, 3.	3.4	9
7	Rapid and efficient angiogenesis directed by electro-assisted bioprinting of alginate/collagen microspheres with human umbilical vein endothelial cell coating layer. International Journal of Bioprinting, 2019, 5, 194.	3.4	5
8	Bioprinting of Stem Cells: Interplay of Bioprinting Process, Bioinks, and Stem Cell Properties. ACS Biomaterials Science and Engineering, 2018, 4, 3108-3124.	5.2	31
9	Three-dimensional printing: review of application in medicine and hepatic surgery. Cancer Biology and Medicine, 2016, 13, 443.	3.0	47
10	Effect of bioink properties on printability and cell viability for 3D bioplotting of embryonic stem cells. Biofabrication, 2016, 8, 035020.	7.1	652
11	The influence of printing parameters on cell survival rate and printability in microextrusion-based 3D cell printing technology. Biofabrication, 2015, 7, 045002.	7.1	240
12	Three-dimensional bioprinting of embryonic stem cells directs highly uniform embryoid body formation. Biofabrication, 2015, 7, 044101.	7.1	124
13	Stem Cells: Hepatic Differentiation of Human Embryonic Stem Cells as Microscaled Multilayered Colonies Leading to Enhanced Homogeneity and Maturation (Small 21/2014). Small, 2014, 10, 4310-4310.	10.0	18
14	Hepatic Differentiation of Human Embryonic Stem Cells as Microscaled Multilayered Colonies Leading to Enhanced Homogeneity and Maturation. Small, 2014, 10, 4311-4323.	10.0	15
15	Biomimetic injectable HUVECâ€adipocytes/collagen/alginate microsphere coâ€cultures for adipose tissue engineering. Biotechnology and Bioengineering, 2013, 110, 1430-1443.	3.3	44
16	A biomimetic physiological model for human adipose tissue by adipocytes and endothelial cell cocultures with spatially controlled distribution. Biomedical Materials (Bristol), 2013, 8, 045005.	3.3	25
17	Injectable cell/hydrogel microspheres induce the formation of fat lobule-like microtissues and vascularized adipose tissue regeneration. Biofabrication, 2012, 4, 045003.	7.1	35
18	Alginate and alginate/gelatin microspheres for human adipose-derived stem cell encapsulation and differentiation. Biofabrication, 2012, 4, 025007.	7.1	119

#	Article	IF	Citations
19	Design and Evaluation of a Cell Microencapsulating Device for Cell Assembly Technology. Journal of Bioactive and Compatible Polymers, 2009, 24, 48-62.	2.1	42