Xiaofeng Cui

List of Publications by Citations

31 papers	4,029 citations	22 h-index	34 g-index
34 ext. papers	4,504 ext. citations	5.2 avg, IF	5.64 L-index

#	Paper	IF	Citations
31	Application of inkjet printing to tissue engineering. *Biotechnology Journal*, **2006**, 1, 910-7	5.6	604
30	Human microvasculature fabrication using thermal inkjet printing technology. *Biomaterials*, **2009**, 30, 6221-7	15.6	518
29	Direct human cartilage repair using three-dimensional bioprinting technology. *Tissue Engineering - Part A*, **2012**, 18, 1304-12	3.9	483
28	Viability and electrophysiology of neural cell structures generated by the inkjet printing method. *Biomaterials*, **2006**, 27, 3580-8	15.6	367
27	Thermal inkjet printing in tissue engineering and regenerative medicine. *Recent Patents on Drug Delivery and Formulation*, **2012**, 6, 149-55	1.4	347
26	Cell damage evaluation of thermal inkjet printed Chinese hamster ovary cells. *Biotechnology and Bioengineering*, **2010**, 106, 963-9	4.9	250
25	Bioactive nanoparticles stimulate bone tissue formation in bioprinted three-dimensional scaffold and human mesenchymal stem cells. *Biotechnology Journal*, **2014**, 9, 1304-11	5.6	228
24	Improved properties of bone and cartilage tissue from 3D inkjet-bioprinted human mesenchymal stem cells by simultaneous deposition and photocrosslinking in PEG-GelMA. *Biotechnology Letters*, **2015**, 37, 2349-55	3	218
23	Inkjet-bioprinted acrylated peptides and PEG hydrogel with human mesenchymal stem cells promote robust bone and cartilage formation with minimal printhead clogging. *Biotechnology Journal*, **2015**, 10, 1568-77	5.6	216
22	Three-dimensional bioprinting in tissue engineering and regenerative medicine. *Biotechnology Letters*, **2016**, 38, 203-11	3	142
21	3D bioprinting and the current applications in tissue engineering. *Biotechnology Journal*, **2017**, 12, 1600734	5.6	110
20	Synergistic action of fibroblast growth factor-2 and transforming growth factor-beta1 enhances bioprinted human neocartilage formation. *Biotechnology and Bioengineering*, **2012**, 109, 2357-68	4.9	90
19	Accelerated myotube formation using bioprinting technology for biosensor applications. *Biotechnology Letters*, **2013**, 35, 315-21	3	73
18	Loading dependent swelling and release properties of novel biodegradable, elastic and environmental stimuli-sensitive polyurethanes. *Journal of Controlled Release*, **2008**, 131, 128-36	11.7	50
17	Structured three-dimensional co-culture of mesenchymal stem cells with meniscus cells promotes meniscal phenotype without hypertrophy. *Biotechnology and Bioengineering*, **2012**, 109, 2369-80	4.9	49
16	Organ Bioprinting: Are We There Yet?. *Advanced Healthcare Materials*, **2018**, 7, 1701018	10.1	45
15	Human cartilage tissue fabrication using three-dimensional inkjet printing technology. *Journal of Visualized Experiments*, **2014**,	1.6	42

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14	Coculture of mesenchymal stem cells and endothelial cells enhances host tissue integration and epidermis maturation through AKT activation in gelatin methacryloyl hydrogel-based skin model. *Acta Biomaterialia*, **2017**, 59, 317-326	10.8	42
13	Bioprinting Cartilage Tissue from Mesenchymal Stem Cells and PEG Hydrogel. *Methods in Molecular Biology*, **2017**, 1612, 391-398	1.4	32
12	Venous Endothelial Marker COUP-TFII Regulates the Distinct Pathologic Potentials of Adult Arteries and Veins. *Scientific Reports*, **2015**, 5, 16193	4.9	29
11	NR2F2 regulates chondrogenesis of human mesenchymal stem cells in bioprinted cartilage. *Biotechnology and Bioengineering*, **2017**, 114, 208-216	4.9	26
10	Tumor Suppressor PTPRJ Is a Target of miR-155 in Colorectal Cancer. *Journal of Cellular Biochemistry*, **2017**, 118, 3391-3400	4.7	23
9	Connexin 43: Key roles in the skin. *Biomedical Reports*, **2017**, 6, 605-611	1.8	16
8	Synthesis of a 2D phosphorus material in a MOF-based 2D nano-reactor. *Chemical Science*, **2018**, 9, 5912-5918	9.4	11
7	Collagen Matrix Alignment Using Inkjet Printer Technology. *Materials Research Society Symposia Proceedings*, **2008**, 1094, 1		10
6	Current Progress in Bioprinting. *Advanced Structured Materials*, **2017**, 227-259	0.6	4
5	Establishment of Novel Reporter Cells Stably Maintaining Transcription Factor-driven Human Secreted Alkaline Phosphatase Expression. *Current Pharmaceutical Biotechnology*, **2018**, 19, 224-231	2.6	2
4	MicroRNA-191 regulates differentiation and migration of mesenchymal stem cells and their paracrine effect on angiogenesis. *Biotechnology Letters*, **2020**, 42, 1777-1788	3	1
3	Three-Dimensional Bioprinting in Regenerative Medicine. *Pancreatic Islet Biology*, **2015**, 109-122	0.4	1
2	Establishment of Novel Cells Stably Secreting Various Human IL-18 Recombinant Proteins. *Current Pharmaceutical Biotechnology*, **2019**, 20, 47-55	2.6	0
1	Novel Reporter System Monitoring IL-18 Specific Signaling can be Applied to High-Throughput Screening. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2020**, 93, 1-LBS-10	0	