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List of Publications by Year
in descending order

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24 papers	3,288 citations	535685 17 h-index	721071 23 g-index
24 all docs	24 docs citations	24 times ranked	5961 citing authors

#	Article	IF	Citations
1	Engineering human skin model innervated with itch sensory neuronâ€like cells differentiated from induced pluripotent stem cells. Bioengineering and Translational Medicine, 2022, 7, e10247.	3.9	7
2	Quantitative Evaluation of Human Umbilical Vein and Induced Pluripotent Stem Cell-Derived Endothelial Cells as an Alternative Cell Source to Skin-Specific Endothelial Cells in Engineered Skin Grafts. Advances in Wound Care, 2021, 10, 490-502.	2.6	10
3	Recapitulating T cell infiltration in 3D psoriatic skin models for patient-specific drug testing. Scientific Reports, 2020, 10, 4123.	1.6	31
4	Engineering tissueâ€specific blood vessels. Bioengineering and Translational Medicine, 2019, 4, e10139.	3.9	19
5	CRISPR/Cas9-based targeted genome editing for correction of recessive dystrophic epidermolysis bullosa using iPS cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26846-26852.	3.3	87
6	Production-scale fibronectin nanofibers promote wound closure and tissue repair in a dermal mouse model. Biomaterials, 2018, 166, 96-108.	5.7	72
7	Tissue engineering of human hair follicles using a biomimetic developmental approach. Nature Communications, 2018, 9, 5301.	5.8	194
8	Hypoxia and Matrix Manipulation for Vascular Engineering. Biological and Medical Physics Series, 2018, , 73-119.	0.3	2
9	Next generation human skin constructs as advanced tools for drug development. Experimental Biology and Medicine, 2017, 242, 1657-1668.	1.1	71
10	Microfluidic bloodâ€“brain barrier model provides in vivoâ€like barrier properties for drug permeability screening. Biotechnology and Bioengineering, 2017, 114, 184-194.	1.7	405
11	Human Skin Constructs with Spatially Controlled Vasculature Using Primary and iPSCâ€Derived Endothelial Cells. Advanced Healthcare Materials, 2016, 5, 1800-1807.	3.9	185
12	Endothelial progenitor cell recruitment in a microfluidic vascular model. Biofabrication, 2015, 7, 045010.	3.7	21
13	TEER Measurement Techniques for In Vitro Barrier Model Systems. Journal of the Association for Laboratory Automation, 2015, 20, 107-126.	2.8	1,439
14	Human-on-a-chip design strategies and principles for physiologically based pharmacokinetics/pharmacodynamics modeling. Integrative Biology (United Kingdom), 2015, 7, 383-391.	0.6	183
15	Pumpless microfluidic platform for drug testing on human skin equivalents. Lab on A Chip, 2015, 15, 882-888.	3.1	198
16	Hyaluronic acid hydrogel stiffness and oxygen tension affect cancer cell fate and endothelial sprouting. Biomaterials Science, 2014, 2, 655.	2.6	72
17	Recapitulating physiological and pathological shear stress and oxygen to model vasculature in health and disease. Scientific Reports, 2014, 4, 4951.	1.6	54
18	RECAPITULATING THE VASCULAR MICROENVIRONMENT IN MICROFLUIDIC PLATFORMS. Nano LIFE, 2013, 03, 1340001.	0.6	14

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19	Microbioreactors to manipulate oxygen tension and shear stress in the microenvironment of vascular stem and progenitor cells. Biotechnology and Applied Biochemistry, 2012, 59, 97-105.	1.4	28
20	Design and development of microbioreactors for long-term cell culture in controlled oxygen microenvironments. Biomedical Microdevices, 2012, 14, 145-152.	1.4	59
21	Unforeseen decreases in dissolved oxygen levels affect tube formation kinetics in collagen gels. American Journal of Physiology - Cell Physiology, 2011, 301, C431-C440.	2.1	41
22	Hypoxia and Matrix Manipulation for Vascular Engineering. Biological and Medical Physics Series, 2011, , 127-165.	0.3	0
23	Modeling of Hemodialysis Operation. Annals of Biomedical Engineering, 2010, 38, 3347-3362.	1.3	8
24	Adaptation to oxygen deprivation in cultures of human pluripotent stem cells, endothelial progenitor cells, and umbilical vein endothelial cells. American Journal of Physiology - Cell Physiology, 2010, 298, C1527-C1537.	2.1	88