

Yibing Qyang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,151
citations

430874

18
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1788
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for Differentiating hiPSCs into Vascular Smooth Muscle Cells. <i>Methods in Molecular Biology</i> , 2022, 2375, 21-34.	0.9	1
2	Epigallocatechin gallate facilitates extracellular elastin fiber formation in induced pluripotent stem cell derived vascular smooth muscle cells for tissue engineering. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 163, 167-174.	1.9	3
3	Readily Available Tissue-Engineered Vascular Grafts Derived From Human Induced Pluripotent Stem Cells. <i>Circulation Research</i> , 2022, 130, 925-927.	4.5	5
4	Muscle LIM Protein Force-Sensing Mediates Sarcomeric Biomechanical Signaling in Human Familial Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2022, 145, 1238-1253.	1.6	20
5	Xenogeneic-free generation of vascular smooth muscle cells from human induced pluripotent stem cells for vascular tissue engineering. <i>Acta Biomaterialia</i> , 2021, 119, 155-168.	8.3	11
6	Efficient Differentiation of Human Induced Pluripotent Stem Cells into Endothelial Cells under Xenogeneic-free Conditions for Vascular Tissue Engineering. <i>Acta Biomaterialia</i> , 2021, 119, 184-196.	8.3	22
7	Shortening Velocity Causes Myosin Isoform Shift in Human Engineered Heart Tissues. <i>Circulation Research</i> , 2021, 128, 281-283.	4.5	8
8	Human-Induced Pluripotent Stem-Cell-Derived Smooth Muscle Cells Increase Angiogenesis to Treat Hindlimb Ischemia. <i>Cells</i> , 2021, 10, 792.	4.1	12
9	PECUU-ECM Patches. <i>JACC Basic To Translational Science</i> , 2021, 6, 464-466.	4.1	1
10	Loss of crossbridge inhibition drives pathological cardiac hypertrophy in patients harboring the TPM1 E192K mutation. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	15
11	An ex vivo physiologic and hyperplastic vessel culture model to study intra-arterial stent therapies. <i>Biomaterials</i> , 2021, 275, 120911.	11.4	9
12	Modular design of a tissue engineered pulsatile conduit using human induced pluripotent stem cell-derived cardiomyocytes. <i>Acta Biomaterialia</i> , 2020, 102, 220-230.	8.3	25
13	Contractile work directly modulates mitochondrial protein levels in human engineered heart tissues. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1516-H1524.	3.2	13
14	Tissue-Engineered Vascular Grafts with Advanced Mechanical Strength from Human iPSCs. <i>Cell Stem Cell</i> , 2020, 26, 251-261.e8.	11.1	96
15	Extracellular Matrix From Hypertrophic Myocardium Provokes Impaired Twitch Dynamics in Healthy Cardiomyocytes. <i>JACC Basic To Translational Science</i> , 2019, 4, 495-505.	4.1	46
16	The potential and limitations of induced pluripotent stem cells to achieve wound healing. <i>Stem Cell Research and Therapy</i> , 2019, 10, 87.	5.5	117
17	Polydopamine and collagen coated micro-grated polydimethylsiloxane for human mesenchymal stem cell culture. <i>Bioactive Materials</i> , 2019, 4, 142-150.	15.6	53
18	Patient mutations linked to arrhythmogenic cardiomyopathy enhance calpain-mediated desmoplakin degradation. <i>JCI Insight</i> , 2019, 4, .	5.0	25

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19	Alk2/ACVR1 and Alk3/BMPR1A Provide Essential Function for Bone Morphogenetic Protein-Induced Retinal Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 657-663.	2.4	34
20	Stem Cells in Cardiovascular Medicine: the Road to Regenerative Therapies. <i>Current Cardiology Reports</i> , 2017, 19, 34.	2.9	8
21	Vascular smooth muscle cells derived from inbred swine induced pluripotent stem cells for vascular tissue engineering. <i>Biomaterials</i> , 2017, 147, 116-132.	11.4	38
22	Engineered Microvasculature in PDMS Networks Using Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. <i>Cell Transplantation</i> , 2017, 26, 1365-1379.	2.5	17
23	mTOR (Mechanistic Target of Rapamycin) Inhibition Decreases Mechanosignaling, Collagen Accumulation, and Stiffening of the Thoracic Aorta in Elastin-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1657-1666.	2.4	26
24	Engineered microvasculature in PDMS networks using endothelial cells derived from human induced pluripotent stem cells. <i>Cell Transplantation</i> , 2017, , .	2.5	0
25	Implantable tissue-engineered blood vessels from human induced pluripotent stem cells. <i>Biomaterials</i> , 2016, 102, 120-129.	11.4	111
26	Tissue-Engineered Vascular Rings from Human iPSC-Derived Smooth Muscle Cells. <i>Stem Cell Reports</i> , 2016, 7, 19-28.	4.8	75
27	Anisotropic engineered heart tissue made from laser-cut decellularized myocardium. <i>Scientific Reports</i> , 2016, 6, 32068.	3.3	74
28	Integrin β 3 inhibition is a therapeutic strategy for supra-avalvular aortic stenosis. <i>Journal of Experimental Medicine</i> , 2016, 213, 451-463.	8.5	46
29	Induced pluripotent stem cell-derived vascular smooth muscle cells: methods and application. <i>Biochemical Journal</i> , 2015, 465, 185-194.	3.7	53
30	Arterial specification of endothelial cells derived from human induced pluripotent stem cells in a biomimetic flow bioreactor. <i>Biomaterials</i> , 2015, 53, 621-633.	11.4	94
31	Efficient Gene Disruption in Cultured Primary Human Endothelial Cells by CRISPR/Cas9. <i>Circulation Research</i> , 2015, 117, 121-128.	4.5	64
32	Advancements in Induced Pluripotent Stem Cell Technology for Cardiac Regenerative Medicine. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2014, 19, 330-339.	2.0	6
33	Functional Cardiomyocytes Derived from Isl1 Cardiac Progenitors via Bmp4 Stimulation. <i>PLoS ONE</i> , 2014, 9, e110752.	2.5	21
34	Regeneration of a heart cell. <i>Yale Journal of Biology and Medicine</i> , 2009, 82, 117-9.	0.2	2