# Yibing Qyang

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2553620/publications.pdf

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|---|---|---|---|
| 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 | The potential and limitations of induced pluripotent stem cells to achieve wound healing. Stem Cell Research and Therapy, 2019, 10, 87. | 5.5 | 117 |
| 2 | Implantable tissue-engineered blood vessels from human induced pluripotent stem cells. Biomaterials, 2016, 102, 120-129. | 11.4 | 111 |
| 3 | Tissue-Engineered Vascular Grafts with Advanced Mechanical Strength from Human iPSCs. Cell Stem Cell, 2020, 26, 251-261.e8. | 11.1 | 96 |
| 4 | Arterial specification of endothelial cells derived from human induced pluripotent stem cells in a biomimetic flow bioreactor. Biomaterials, 2015, 53, 621-633. | 11.4 | 94 |
| 5 | Tissue-Engineered Vascular Rings from Human iPSC-Derived Smooth Muscle Cells. Stem Cell Reports, 2016, 7, 19-28. | 4.8 | 75 |
| 6 | Anisotropic engineered heart tissue made from laser-cut decellularized myocardium. Scientific Reports, 2016, 6, 32068. | 3.3 | 74 |
| 7 | Efficient Gene Disruption in Cultured Primary Human Endothelial Cells by CRISPR/Cas9. Circulation Research, 2015, 117, 121-128. | 4.5 | 64 |
| 8 | Induced pluripotent stem cell-derived vascular smooth muscle cells: methods and application. Biochemical Journal, 2015, 465, 185-194. | 3.7 | 53 |
| 9 | Polydopamine and collagen coated micro-grated polydimethylsiloxane for human mesenchymal stem cell culture. Bioactive Materials, 2019, 4, 142-150. | 15.6 | 53 |
| 10 | Integrin Î²3 inhibition is a therapeutic strategy for supravalvular aortic stenosis. Journal of Experimental Medicine, 2016, 213, 451-463. | 8.5 | 46 |
| 11 | Extracellular Matrix From Hypertrophic Myocardium Provokes Impaired Twitch Dynamics in Healthy Cardiomyocytes. JACC Basic To Translational Science, 2019, 4, 495-505. | 4.1 | 46 |
| 12 | Vascular smooth muscle cells derived from inbred swine induced pluripotent stem cells for vascular tissue engineering. Biomaterials, 2017, 147, 116-132. | 11.4 | 38 |
| 13 | Alk2/ACVR1 and Alk3/BMPR1A Provide Essential Function for Bone Morphogenetic Proteinâ€“Induced Retinal Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 657-663. | 2.4 | 34 |
| 14 | mTOR (Mechanistic Target of Rapamycin) Inhibition Decreases Mechanosignaling, Collagen Accumulation, and Stiffening of the Thoracic Aorta in Elastin-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1657-1666. | 2.4 | 26 |
| 15 | Modular design of a tissue engineered pulsatile conduit using human induced pluripotent stem cell-derived cardiomyocytes. Acta Biomaterialia, 2020, 102, 220-230. | 8.3 | 25 |
| 16 | Patient mutations linked to arrhythmogenic cardiomyopathy enhance calpain-mediated desmoplakin degradation. JCI Insight, 2019, 4, . | 5.0 | 25 |
| 17 | Efficient Differentiation of Human Induced Pluripotent Stem Cells into Endothelial Cells under Xenogeneic-free Conditions for Vascular Tissue Engineering. Acta Biomaterialia, 2021, 119, 184-196. | 8.3 | 22 |
| 18 | Functional Cardiomyocytes Derived from Isl1 Cardiac Progenitors via Bmp4 Stimulation. PLoS ONE, 2014, 9, e110752. | 2.5 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Muscle LIM Protein Force-Sensing Mediates Sarcomeric Biomechanical Signaling in Human Familial Hypertrophic Cardiomyopathy. Circulation, 2022, 145, 1238-1253. | 1.6 | 20 |
| 20 | Engineered Microvasculature in PDMS Networks Using Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. Cell Transplantation, 2017, 26, 1365-1379. | 2.5 | 17 |
| 21 | Loss of crossbridge inhibition drives pathological cardiac hypertrophy in patients harboring the TPM1 E192K mutation. Journal of General Physiology, 2021, 153, . | 1.9 | 15 |
| 22 | Contractile work directly modulates mitochondrial protein levels in human engineered heart tissues. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1516-H1524. | 3.2 | 13 |
| 23 | Human-Induced Pluripotent Stem-Cell-Derived Smooth Muscle Cells Increase Angiogenesis to Treat Hindlimb Ischemia. Cells, 2021, 10, 792. | 4.1 | 12 |
| 24 | Xenogeneic-free generation of vascular smooth muscle cells from human induced pluripotent stem cells for vascular tissue engineering. Acta Biomaterialia, 2021, 119, 155-168. | 8.3 | 11 |
| 25 | An ex vivo physiologic and hyperplastic vessel culture model to study intra-arterial stent therapies. Biomaterials, 2021, 275, 120911. | 11.4 | 9 |
| 26 | Stem Cells in Cardiovascular Medicine: the Road to Regenerative Therapies. Current Cardiology Reports, 2017, 19, 34. | 2.9 | 8 |
| 27 | Shortening Velocity Causes Myosin Isoform Shift in Human Engineered Heart Tissues. Circulation Research, 2021, 128, 281-283. | 4.5 | 8 |
| 28 | Advancements in Induced Pluripotent Stem Cell Technology for Cardiac Regenerative Medicine. Journal of Cardiovascular Pharmacology and Therapeutics, 2014, 19, 330-339. | 2.0 | 6 |
| 29 | Readily Available Tissue-Engineered Vascular Grafts Derived From Human Induced Pluripotent Stem Cells. Circulation Research, 2022, 130, 925-927. | 4.5 | 5 |
| 30 | Epigallocatechin gallate facilitates extracellular elastin fiber formation in induced pluripotent stem cell derived vascular smooth muscle cells for tissue engineering. Journal of Molecular and Cellular Cardiology, 2022, 163, 167-174. | 1.9 | 3 |
| 31 | Regeneration of a heart cell. Yale Journal of Biology and Medicine, 2009, 82, 117-9. | 0.2 | 2 |
| 32 | PECUU-ECM Patches. JACC Basic To Translational Science, 2021, 6, 464-466. | 4.1 | 1 |
| 33 | Methods for Differentiating hiPSCs into Vascular Smooth Muscle Cells. Methods in Molecular Biology, 2022, 2375, 21-34. | 0.9 | 1 |
| 34 | Engineered microvasculature in PDMS networks using endothelial cells derived from human induced pluripotent stem cells. Cell Transplantation, 2017, , . | 2.5 | 0 |