# Thomas Eschenhagen

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Engineered heart tissue grafts improve systolic and diastolic function in infarcted rat hearts. Nature Medicine, 2006, 12, 452-458. | 15.2 | 928 |
| 2 | What Is the Role of Î²-Adrenergic Signaling in Heart Failure?. Circulation Research, 2003, 93, 896-906. | 2.0 | 687 |
| 3 | Threeâ€dimensional reconstitution of embryonic cardiomyocytes in a collagen matrix: a new heart muscle model system. FASEB Journal, 1997, 11, 683-694. | 0.2 | 584 |
| 4 | Development of a Drug Screening Platform Based on Engineered Heart Tissue. Circulation Research, 2010, 107, 35-44. | 2.0 | 420 |
| 5 | Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686. | 1.6 | 417 |
| 6 | Chronic stretch of engineered heart tissue induces hypertrophy and functional improvement. FASEB Journal, 2000, 14, 669-679. | 0.2 | 371 |
| 7 | Cardiovascular side effects of cancer therapies: a position statement from the Heart Failure Association of the European Society of Cardiology. European Journal of Heart Failure, 2011, 13, 1-10. | 2.9 | 350 |
| 8 | Human Engineered Heart Tissue as a Versatile Tool in Basic Research and Preclinical Toxicology. PLoS ONE, 2011, 6, e26397. | 1.1 | 305 |
| 9 | Functional improvement and maturation of rat and human engineered heart tissue by chronic electrical stimulation. Journal of Molecular and Cellular Cardiology, 2014, 74, 151-161. | 0.9 | 305 |
| 10 | Human Engineered Heart Tissue: Analysis of Contractile Force. Stem Cell Reports, 2016, 7, 29-42. | 2.3 | 292 |
| 11 | Three-Dimensional Human iPSC-Derived Artificial Skeletal Muscles Model Muscular Dystrophies and Enable Multilineage Tissue Engineering. Cell Reports, 2018, 23, 899-908. | 2.9 | 245 |
| 12 | MUSCLEMOTION. Circulation Research, 2018, 122, e5-e16. | 2.0 | 235 |
| 13 | Cardiac repair in guinea pigs with human engineered heart tissue from induced pluripotent stem cells. Science Translational Medicine, 2016, 8, 363ra148. | 5.8 | 215 |
| 14 | Position Paper of the European Society of Cardiology Working Group Cellular Biology of the Heart: cell-based therapies for myocardial repair and regeneration in ischemic heart disease and heart failure. European Heart Journal, 2016, 37, 1789-1798. | 1.0 | 210 |
| 15 | Engineering Cardiac Muscle Tissue. Circulation Research, 2017, 120, 1487-1500. | 2.0 | 202 |
| 16 | Metabolic Maturation Media Improve Physiological Function of Human iPSC-Derived Cardiomyocytes. Cell Reports, 2020, 32, 107925. | 2.9 | 198 |
| 17 | Differentiation of cardiomyocytes and generation of human engineered heart tissue. Nature Protocols, 2017, 12, 1177-1197. | 5.5 | 197 |
| 18 | SARS-CoV-2 infects and induces cytotoxic effects in human cardiomyocytes. Cardiovascular Research, 2020, 116, 2207-2215. | 1.8 | 189 |

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| 19 | CRISPR/Cas9 editing in human pluripotent stem cell-cardiomyocytes highlights arrhythmias, hypocontractility, and energy depletion as potential therapeutic targets for hypertrophic cardiomyopathy. European Heart Journal, 2018, 39, 3879-3892. | 1.0 | 176 |
| 20 | Contractile Work Contributes to Maturation of Energy Metabolism in hiPSC-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 834-847. | 2.3 | 148 |
| 21 | Human engineered heart tissue as a model system for drug testing. Advanced Drug Delivery Reviews, 2016, 96, 214-224. | 6.6 | 146 |
| 22 | Human iPSC-derived cardiomyocytes cultured in 3D engineered heart tissue show physiological upstroke velocity and sodium current density. Scientific Reports, 2017, 7, 5464. | 1.6 | 140 |
| 23 | Atrial-like Engineered Heart Tissue: An InÂVitro Model of the Human Atrium. Stem Cell Reports, 2018, 11, 1378-1390. | 2.3 | 132 |
| 24 | Increased afterload induces pathological cardiac hypertrophy: a new in vitro model. Basic Research in Cardiology, 2012, 107, 307. | 2.5 | 131 |
| 25 | Mybpc3 gene therapy for neonatal cardiomyopathy enables long-term disease prevention in mice. Nature Communications, 2014, 5, 5515. | 5.8 | 131 |
| 26 | Increased myofilament Ca2+ sensitivity and diastolic dysfunction as early consequences of Mybpc3 mutation in heterozygous knock-in mice. Journal of Molecular and Cellular Cardiology, 2012, 52, 1299-1307. | 0.9 | 118 |
| 27 | Low Resting Membrane Potential and Low Inward Rectifier Potassium Currents Are Not Inherent Features of hiPSC-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 822-833. | 2.3 | 92 |
| 28 | Common mechanistic pathways in cancer and heart failure. A scientific roadmap on behalf of the <scp>Translational Research Committee</scp> of the <scp>Heart Failure Association</scp> (<scp>HFA</scp>) of the <scp>European Society of Cardiology</scp> (<scp>ESC</scp>). European Journal of Heart Failure, 2020, 22, 2272-2289. | 2.9 | 92 |
| 29 | Disease modeling of a mutation in Î±â€actinin 2 guides clinical therapy in hypertrophic cardiomyopathy. EMBO Molecular Medicine, 2019, 11, e11115. | 3.3 | 88 |
| 30 | Long Noncoding RNA-Enriched Vesicles Secreted by Hypoxic Cardiomyocytes Drive Cardiac Fibrosis. Molecular Therapy - Nucleic Acids, 2019, 18, 363-374. | 2.3 | 83 |
| 31 | Targeting muscle-enriched long non-coding RNA <i>H19</i> reverses pathological cardiac hypertrophy. European Heart Journal, 2020, 41, 3462-3474. | 1.0 | 81 |
| 32 | Dichloroacetate prevents restenosis in preclinical animal models of vessel injury. Nature, 2014, 509, 641-644. | 13.7 | 78 |
| 33 | Evaluation of MYBPC3 trans -Splicing and Gene Replacement as Therapeutic Options in Human iPSC-Derived Cardiomyocytes. Molecular Therapy - Nucleic Acids, 2017, 7, 475-486. | 2.3 | 74 |
| 34 | Human Engineered Heart Tissue Patches Remuscularize the Injured Heart in a Dose-Dependent Manner. Circulation, 2021, 143, 1991-2006. | 1.6 | 73 |
| 35 | Towards standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function. Cardiovascular Research, 2021, 117, 43-59. | 1.8 | 72 |
| 36 | Cardiac arrhythmia induced by genetic silencing of â€˜funnyâ€™ (f) channels is rescued by GIRK4 inactivation. Nature Communications, 2014, 5, 4664. | 5.8 | 70 |

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|---|---|---|---|
| 37 | Human Induced Pluripotent Stem Cellâ€“Derived Engineered Heart Tissue as a Sensitive Test System for QT Prolongation and Arrhythmic Triggers. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006035. | 2.1 | 70 |
| 38 | Automated analysis of contractile force and Ca<sup>2+</sup>transients in engineered heart tissue. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1353-H1363. | 1.5 | 69 |
| 39 | Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. Nature Communications, 2020, 11, 2039. | 5.8 | 63 |
| 40 | Repair of Mybpc3 mRNA by 5â€²-trans-splicing in a Mouse Model of Hypertrophic Cardiomyopathy. Molecular Therapy - Nucleic Acids, 2013, 2, e102. | 2.3 | 61 |
| 41 | Cardiomyopathy phenotypes in human-induced pluripotent stem cell-derived cardiomyocytesâ€"a systematic review. Pflugers Archiv European Journal of Physiology, 2019, 471, 755-768. | 1.3 | 57 |
| 42 | In-vitro perfusion of engineered heart tissue through endothelialized channels. Tissue Engineering - Part A, 2014, 20, 131025032956001. | 1.6 | 52 |
| 43 | Blinded Contractility Analysis in hiPSC-Cardiomyocytes in Engineered Heart Tissue Format: Comparison With Human Atrial Trabeculae. Toxicological Sciences, 2017, 158, 164-175. | 1.4 | 52 |
| 44 | Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. Nature Communications, 2019, 10, 4325. | 5.8 | 51 |
| 45 | Blinded, Multicenter Evaluation of Drug-induced Changes in Contractility Using Human-induced Pluripotent Stem Cell-derived Cardiomyocytes. Toxicological Sciences, 2020, 176, 103-123. | 1.4 | 51 |
| 46 | Comparison of the effects of a truncating and a missense MYBPC3 mutation on contractile parameters of engineered heart tissue. Journal of Molecular and Cellular Cardiology, 2016, 97, 82-92. | 0.9 | 48 |
| 47 | Ca2+-Currents in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Effects of Two Different Culture Conditions. Frontiers in Pharmacology, 2016, 7, 300. | 1.6 | 47 |
| 48 | Comparison of 10 Control hPSC Lines for Drug Screening in an Engineered Heart Tissue Format. Stem Cell Reports, 2020, 15, 983-998. | 2.3 | 45 |
| 49 | Human pluripotent stem cell-derived cardiomyocytes for studying energy metabolism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118471. | 1.9 | 43 |
| 50 | Pharmacological inhibition of DNA methylation attenuates pressure overload-induced cardiac hypertrophy in rats. Journal of Molecular and Cellular Cardiology, 2018, 120, 53-63. | 0.9 | 42 |
| 51 | Deciphering the microRNA signature of pathological cardiac hypertrophy by engineered heart tissue- and sequencing-technology. Journal of Molecular and Cellular Cardiology, 2015, 81, 1-9. | 0.9 | 41 |
| 52 | Force and Calcium Transients Analysis in Human Engineered Heart Tissues Reveals Positive Force-Frequency Relation at Physiological Frequency. Stem Cell Reports, 2020, 14, 312-324. | 2.3 | 40 |
| 53 | <i>S</i> â€glutathiolation impairs phosphoregulation and function of cardiac myosinâ€binding protein C in human heart failure. FASEB Journal, 2016, 30, 1849-1864. | 0.2 | 38 |
| 54 | Ranolazine antagonizes catecholamine-induced dysfunction in isolated cardiomyocytes, but lacks long-term therapeutic effects<i>in vivo</i>in a mouse model of hypertrophic cardiomyopathy. Cardiovascular Research, 2016, 109, 90-102. | 1.8 | 38 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 55 | Chronic intermittent tachypacing by an optogenetic approach induces arrhythmia vulnerability in human engineered heart tissue. Cardiovascular Research, 2020, 116, 1487-1499. | 1.8 | 38 |
| 56 | An Important Role for DNMT3A-Mediated DNA Methylation in Cardiomyocyte Metabolism and Contractility. Circulation, 2020, 142, 1562-1578. | 1.6 | 38 |
| 57 | Analysis of Tyrosine Kinase Inhibitor-Mediated Decline in Contractile Force in Rat Engineered Heart Tissue. PLoS ONE, 2016, 11, e0145937. | 1.1 | 36 |
| 58 | The E3 ubiquitin ligase Asb2Î² is downregulated in a mouse model of hypertrophic cardiomyopathy and targets desmin for proteasomal degradation. Journal of Molecular and Cellular Cardiology, 2015, 87, 214-224. | 0.9 | 35 |
| 59 | Rat atrial engineered heart tissue: a new in vitro model to study atrial biology. Basic Research in Cardiology, 2018, 113, 41. | 2.5 | 34 |
| 60 | Impairment of the ER/mitochondria compartment in human cardiomyocytes with PLN p.Arg14del mutation. EMBO Molecular Medicine, 2021, 13, e13074. | 3.3 | 34 |
| 61 | PPARdelta activation induces metabolic and contractile maturation of human pluripotent stem cell-derived cardiomyocytes. Cell Stem Cell, 2022, 29, 559-576.e7. | 5.2 | 34 |
| 62 | General practitioners' adherence to chronic heart failure guidelines regarding medication: the GP-HF study. Clinical Research in Cardiology, 2016, 105, 441-450. | 1.5 | 32 |
| 63 | Effects of proarrhythmic drugs on relaxation time and beating pattern in rat engineered heart tissue. Basic Research in Cardiology, 2014, 109, 436. | 2.5 | 30 |
| 64 | Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC Working Group on Myocardial Function and the ESC Working Group on Cellular Biology of the Heart. Cardiovascular Research, 2022, 118, 3016-3051. | 1.8 | 30 |
| 65 | Guanabenz Interferes with ER Stress and Exerts Protective Effects in Cardiac Myocytes. PLoS ONE, 2014, 9, e98893. | 1.1 | 29 |
| 66 | Generation of Strip-Format Fibrin-Based Engineered Heart Tissue (EHT). Methods in Molecular Biology, 2014, 1181, 121-129. | 0.4 | 29 |
| 67 | Human iPS cell-derived engineered heart tissue does not affect ventricular arrhythmias in a guinea pig cryo-injury model. Scientific Reports, 2019, 9, 9831. | 1.6 | 28 |
| 68 | Cardiac Regeneration: New Hope for an Old Dream. Annual Review of Physiology, 2021, 83, 59-81. | 5.6 | 28 |
| 69 | DNA methylation in an engineered heart tissue model of cardiac hypertrophy: common signatures and effects of DNA methylation inhibitors. Basic Research in Cardiology, 2016, 111, 9. | 2.5 | 27 |
| 70 | Heart regeneration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1749-1759. | 1.9 | 25 |
| 71 | In vivo grafting of large engineered heart tissue patches for cardiac repair. JCI Insight, 2021, 6, . | 2.3 | 23 |
| 72 | Piezo-bending actuators for isometric or auxotonic contraction analysis of engineered heart tissue. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 3-11. | 1.3 | 22 |

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|---|---|---|---|
| 73 | Targeted therapies in genetic dilated and hypertrophic cardiomyopathies: from molecular mechanisms to therapeutic targets. A position paper from the Heart Failure Association (HFA) and the Working Group on Myocardial Function of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2022, 24, 406-420. | 2.9 | 22 |
| 74 | Prominent differences in left ventricular performance and myocardial properties between right ventricular and left ventricular-based pacing modes in rats. Scientific Reports, 2017, 7, 5931. | 1.6 | 21 |
| 75 | Spontaneous Formation of Extensive Vessel-Like Structures in Murine Engineered Heart Tissue. Tissue Engineering - Part A, 2016, 22, 326-335. | 1.6 | 19 |
| 76 | Pharmacokinetics of the Experimental Nonâ€Nucleosidic DNA Methyl Transferase Inhibitor <i>N</i>â€Phthalylâ€<scp>l</scp>â€Tryptophan (RGÂ108) in Rats. Basic and Clinical Pharmacology and Toxicology, 2016, 118, 327-332. | 1.2 | 16 |
| 77 | Translational investigation of electrophysiology in hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2021, 157, 77-89. | 0.9 | 16 |
| 78 | Characterization of the PLN p.Arg14del Mutation in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. International Journal of Molecular Sciences, 2021, 22, 13500. | 1.8 | 16 |
| 79 | LQT1-phenotypes in hiPSC: Are we measuring the right thing?. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1968. | 3.3 | 15 |
| 80 | Exogenous Nitric Oxide Protects Human Embryonic Stem Cell-Derived Cardiomyocytes against Ischemia/Reperfusion Injury. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9. | 1.9 | 15 |
| 81 | Myocardial tissue engineering for cardiac repair. Journal of Heart and Lung Transplantation, 2016, 35, 294-298. | 0.3 | 15 |
| 82 | Magnetics-Based Approach for Fine-Tuning Afterload in Engineered Heart Tissues. ACS Biomaterials Science and Engineering, 2019, 5, 3663-3675. | 2.6 | 15 |
| 83 | Towards a Tissue-Engineered Contractile Fontan-Conduit: The Fate of Cardiac Myocytes in the Subpulmonary Circulation. PLoS ONE, 2016, 11, e0166963. | 1.1 | 15 |
| 84 | How to repair a broken heart with pluripotent stem cell-derived cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2022, 163, 106-117. | 0.9 | 14 |
| 85 | Block of Na + /Ca 2+ exchanger by SEA0400 in human right atrial preparations from patients in sinus rhythm and in atrial fibrillation. European Journal of Pharmacology, 2016, 788, 286-293. | 1.7 | 13 |
| 86 | Implantation of hiPSC-derived Cardiac-muscle Patches after Myocardial Injury in a Guinea Pig Model. Journal of Visualized Experiments, 2019, , . | 0.2 | 13 |
| 87 | Phosphomimetic cardiac myosin-binding protein C partially rescues a cardiomyopathy phenotype in murine engineered heart tissue. Scientific Reports, 2019, 9, 18152. | 1.6 | 13 |
| 88 | Human engineered heart tissue transplantation in a guinea pig chronic injury model. Journal of Molecular and Cellular Cardiology, 2022, 166, 1-10. | 0.9 | 12 |
| 89 | Toward Secondâ€Generation Cardiomyogenic and Antiâ€cardiofibrotic 1,4â€Dihydropyridineâ€Class TGFÎ² Inhibitors. ChemMedChem, 2019, 14, 810-822. | 1.6 | 11 |
| 90 | Impact of phosphodiesterases PDE3 and PDE4 on 5-hydroxytryptamine receptor4-mediated increase of cAMP in human atrial fibrillation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, 394, 291-298. | 1.4 | 11 |

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|---|---|---|---|
| 91 | Are atrial human pluripotent stem cell-derived cardiomyocytes ready to identify drugs that beat atrial fibrillation?. Nature Communications, 2021, 12, 1725. | 5.8 | 11 |
| 92 | Sulforaphane exposure impairs contractility and mitochondrial function in three-dimensional engineered heart tissue. Redox Biology, 2021, 41, 101951. | 3.9 | 11 |
| 93 | Intermittent Optogenetic Tachypacing of Atrial Engineered Heart Tissue Induces Only Limited Electrical Remodelling. Journal of Cardiovascular Pharmacology, 2021, 77, 291-299. | 0.8 | 11 |
| 94 | Comprehensive analyses of the inotropic compound omecamtiv mecarbil in rat and human cardiac preparations. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H373-H385. | 1.5 | 11 |
| 95 | Immunobiology of Fibrin-Based Engineered Heart Tissue. Stem Cells Translational Medicine, 2015, 4, 625-631. | 1.6 | 10 |
| 96 | AkrinorTM, a Cafedrine/ Theodrenaline Mixture (20:1), Increases Force of Contraction of Human Atrial Myocardium But Does Not Constrict Internal Mammary Artery In Vitro. Frontiers in Pharmacology, 2017, 8, 272. | 1.6 | 10 |
| 97 | Heart Repair With Myocytes. Circulation Research, 2019, 124, 843-845. | 2.0 | 10 |
| 98 | Cell Banking of hiPSCs: A Practical Guide to Cryopreservation and Quality Control in Basic Research. Current Protocols in Stem Cell Biology, 2020, 55, e127. | 3.0 | 10 |
| 99 | Regulation of I Ca,L and force by PDEs in humanâ€induced pluripotent stem cellâ€derived cardiomyocytes. British Journal of Pharmacology, 2020, 177, 3036-3045. | 2.7 | 10 |
| 100 | Case Report on: Very Early Afterdepolarizations in HiPSC-Cardiomyocytesâ€"An Artifact by Big Conductance Calcium Activated Potassium Current (Ibk,Ca). Cells, 2020, 9, 253. | 1.8 | 10 |
| 101 | A new concept of fibroblast dynamics in postâ€"myocardial infarction remodeling. Journal of Clinical Investigation, 2018, 128, 1731-1733. | 3.9 | 10 |
| 102 | Incomplete Assembly of the Dystrophin-Associated Protein Complex in 2D and 3D-Cultured Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 737840. | 1.8 | 10 |
| 103 | Clonal dynamics studied in cultured induced pluripotent stem cells reveal major growth imbalances within a few weeks. Stem Cell Research and Therapy, 2018, 9, 165. | 2.4 | 8 |
| 104 | Normalization of force to muscle crossâ€sectional area: A helpful attempt to reduce data scattering in contractility studies?. Acta Physiologica, 2018, 224, e13202. | 1.8 | 7 |
| 105 | Blockade of miR-140-3p prevents functional deterioration in afterload-enhanced engineered heart tissue. Scientific Reports, 2019, 9, 11494. | 1.6 | 7 |
| 106 | Statins Do More Than Lower Cholesterolâ€"Depending on What You Eat?. Circulation, 2021, 143, 1793-1796. | 1.6 | 6 |
| 107 | Prolonged action potentials in HCM-derived iPSC - biology or artefact?. Cardiovascular Research, 2015, 106, 6-6. | 1.8 | 5 |
| 108 | Assessment of DNA synthesis in Islet-1+ cells in the adult murine heart. Biochemical and Biophysical Research Communications, 2015, 456, 294-297. | 1.0 | 5 |

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|---|---|---|---|
| 109 | Mechanistic role of the CREB-regulated transcription coactivator 1 in cardiac hypertrophy. Journal of Molecular and Cellular Cardiology, 2019, 127, 31-43. | 0.9 | 5 |
| 110 | No impact of sex and age on betaâ€adrenoceptorâ€mediated inotropy in human right atrial trabeculae. Acta Physiologica, 2021, 231, e13564. | 1.8 | 5 |
| 111 | Angiotensin II receptor blocker intake associates with reduced markers of inflammatory activation and decreased mortality in patients with cardiovascular comorbidities and COVID-19 disease. PLoS ONE, 2021, 16, e0258684. | 1.1 | 5 |
| 112 | Regulation of basal and norepinephrine-induced cAMP and ICa in hiPSC-cardiomyocytes: Effects of culture conditions and comparison to adult human atrial cardiomyocytes. Cellular Signalling, 2021, 82, 109970. | 1.7 | 4 |
| 113 | I-1-deficiency negatively impacts survival in a cardiomyopathy mouse model. IJC Heart and Vasculature, 2015, 8, 87-94. | 0.6 | 3 |
| 114 | Hypertrophic signaling compensates for contractile and metabolic consequences of DNA methyltransferase 3A loss in human cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2021, 154, 115-123. | 0.9 | 3 |
| 115 | A potential future Fontan modification: preliminary <i>in vitro</i> data of a pressure-generating tube from engineered heart tissue. European Journal of Cardio-thoracic Surgery, 2022, 62, . | 0.6 | 3 |
| 116 | Blunted beta-adrenoceptor-mediated inotropy in valvular cardiomyopathy: another piece of the puzzle in human aortic valve disease. European Journal of Cardio-thoracic Surgery, 2021, 60, 56-63. | 0.6 | 2 |
| 117 | No effect of thymosin betaâ€4 on the expression of the transcription factor Isletâ€1 in the adult murine heart. Pharmacology Research and Perspectives, 2018, 6, e00407. | 1.1 | 1 |
| 118 | Generation of bi-allelic MYBPC3 truncating mutant and isogenic control from an iPSC line of a patient with hypertrophic cardiomyopathy. Stem Cell Research, 2021, 55, 102489. | 0.3 | 1 |
| 119 | Recapitulation of dyssynchrony-associated contractile impairment in asymmetrically paced engineered heart tissue. Journal of Molecular and Cellular Cardiology, 2022, 163, 97-105. | 0.9 | 1 |
| 120 | Piezo2 is not an indispensable mechanosensor in murine cardiomyocytes. Scientific Reports, 2022, 12, 8193. | 1.6 | 1 |
| 121 | Human-Engineered Atrial Tissue for Studying Atrial Fibrillation. Methods in Molecular Biology, 2022, , 159-173. | 0.4 | 1 |
| 122 | Engineering Cardiovascular Regeneration. Current Stem Cell Reports, 2015, 1, 67-78. | 0.7 | 0 |
| 123 | Magnetic Adjustment of Afterload in Engineered Heart Tissues. Journal of Visualized Experiments, 2020, , . | 0.2 | 0 |
| 124 | SERCA2a gain of function in patient-derived R14Del hiPSC-CMs. Journal of General Physiology, 2022, 154, . | 0.9 | 0 |