

Dirk Jan Duncker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|-----------------|
| 221 papers | 6,605 citations | 41 h-index | 74 g-index |
| 244 ext. papers | 7,990 ext. citations | 6.6 avg, IF | 5.82 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 221 | Regulation of coronary blood flow during exercise. <i>Physiological Reviews</i> , 2008 , 88, 1009-86 | 47.9 | 589 |
| 220 | Myocardial protection by brief ischemia in noncardiac tissue. <i>Circulation</i> , 1996 , 94, 2193-200 | 16.7 | 432 |
| 219 | Endothelial nitric oxide synthase overexpression attenuates congestive heart failure in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4891-6 | 11.5 | 190 |
| 218 | Connecting heart failure with preserved ejection fraction and renal dysfunction: the role of endothelial dysfunction and inflammation. <i>European Journal of Heart Failure</i> , 2016 , 18, 588-98 | 12.3 | 173 |
| 217 | ATP-sensitive K ⁺ channels, adenosine, and nitric oxide-mediated mechanisms account for coronary vasodilation during exercise. <i>Circulation Research</i> , 1998 , 82, 346-59 | 15.7 | 162 |
| 216 | Peripheral circulation. <i>Comprehensive Physiology</i> , 2012 , 2, 321-447 | 7.7 | 160 |
| 215 | Regulation of coronary blood flow in health and ischemic heart disease. <i>Progress in Cardiovascular Diseases</i> , 2015 , 57, 409-22 | 8.5 | 122 |
| 214 | Time course and mechanism of myocardial catecholamine release during transient ischemia in vivo. <i>Circulation</i> , 2000 , 101, 2645-50 | 16.7 | 120 |
| 213 | Coronary vascular regulation, remodelling, and collateralization: mechanisms and clinical implications on behalf of the working group on coronary pathophysiology and microcirculation. <i>European Heart Journal</i> , 2015 , 36, 3134-46 | 9.5 | 119 |
| 212 | The microRNA-15 family inhibits the TGF β pathway in the heart. <i>Cardiovascular Research</i> , 2014 , 104, 61-71 | 9.9 | 118 |
| 211 | Angiotensin-converting enzyme inhibition and angiotensin II type 1 receptor blockade prevent cardiac remodeling in pigs after myocardial infarction: role of tissue angiotensin II. <i>Circulation</i> , 2000 , 102, 1556-63 | 16.7 | 118 |
| 210 | Exercise training in patients with heart disease: review of beneficial effects and clinical recommendations. <i>Progress in Cardiovascular Diseases</i> , 2015 , 57, 347-55 | 8.5 | 107 |
| 209 | An EAPCI Expert Consensus Document on Ischaemia with Non-Obstructive Coronary Arteries in Collaboration with European Society of Cardiology Working Group on Coronary Pathophysiology & Microcirculation Endorsed by Coronary Vasomotor Disorders International Study Group. <i>European Heart Journal</i> , 2020 , 41, 3504-3520 | 9.5 | 106 |
| 208 | Nucleotide excision DNA repair is associated with age-related vascular dysfunction. <i>Circulation</i> , 2012 , 126, 468-78 | 16.7 | 104 |
| 207 | Alterations in myofilament function contribute to left ventricular dysfunction in pigs early after myocardial infarction. <i>Circulation Research</i> , 2004 , 95, e85-95 | 15.7 | 103 |
| 206 | Early exercise training normalizes myofilament function and attenuates left ventricular pump dysfunction in mice with a large myocardial infarction. <i>Circulation Research</i> , 2007 , 100, 1079-88 | 15.7 | 99 |
| 205 | The complex mural cell: pericyte function in health and disease. <i>International Journal of Cardiology</i> , 2015 , 190, 75-89 | 3.2 | 96 |

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| 204 | Multiple common comorbidities produce left ventricular diastolic dysfunction associated with coronary microvascular dysfunction, oxidative stress, and myocardial stiffening. <i>Cardiovascular Research</i> , 2018 , 114, 954-964 | 9.9 | 96 |
| 203 | Autonomic control of vasomotion in the porcine coronary circulation during treadmill exercise: evidence for feed-forward beta-adrenergic control. <i>Circulation Research</i> , 1998 , 82, 1312-22 | 15.7 | 96 |
| 202 | The coronary circulation in exercise training. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H10-23 | 5.2 | 95 |
| 201 | The microcirculation: a key player in obesity-associated cardiovascular disease. <i>Cardiovascular Research</i> , 2017 , 113, 1035-1045 | 9.9 | 91 |
| 200 | Depression and coronary heart disease: 2018 position paper of the ESC working group on coronary pathophysiology and microcirculation. <i>European Heart Journal</i> , 2020 , 41, 1687-1696 | 9.5 | 90 |
| 199 | Reactive oxygen species and the cardiovascular system. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 862423 | 6.7 | 89 |
| 198 | Functional and structural adaptations of coronary microvessels distal to a chronic coronary artery stenosis. <i>Circulation Research</i> , 2008 , 102, 795-803 | 15.7 | 70 |
| 197 | Contribution of endothelin and its receptors to the regulation of vascular tone during exercise is different in the systemic, coronary and pulmonary circulation. <i>Cardiovascular Research</i> , 2003 , 59, 745-54 | 9.9 | 67 |
| 196 | Magnetic resonance imaging of haemorrhage within reperfused myocardial infarcts: possible interference with iron oxide-labelled cell tracking?. <i>European Heart Journal</i> , 2006 , 27, 1620-6 | 9.5 | 66 |
| 195 | ESC Working Group on Coronary Pathophysiology and Microcirculation position paper on coronary microvascular dysfunction in cardiovascular disease. <i>Cardiovascular Research</i> , 2020 , 116, 741-755 | 9.9 | 57 |
| 194 | Role of adenosine in the regulation of coronary blood flow in swine at rest and during treadmill exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 275, H1663-72 | 5.2 | 57 |
| 193 | Beneficial effects of exercise training after myocardial infarction require full eNOS expression. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 1041-9 | 5.8 | 55 |
| 192 | Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. <i>Cardiovascular Research</i> , 2021 , 117, 29-42 | 9.9 | 53 |
| 191 | NO and prostanoids blunt endothelin-mediated coronary vasoconstrictor influence in exercising swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2075-81 | 5.2 | 51 |
| 190 | Organ-specific physiological responses to acute physical exercise and long-term training in humans. <i>Physiology</i> , 2014 , 29, 421-36 | 9.8 | 49 |
| 189 | Reactive Oxygen Species: Radical Factors in the Evolution of Animal Life: A molecular timescale from Earth's earliest history to the rise of complex life. <i>BioEssays</i> , 2018 , 40, 1700158 | 4.1 | 47 |
| 188 | Coronary microvascular dysfunction in a porcine model of early atherosclerosis and diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H85-94 | 5.2 | 47 |
| 187 | Vagal nerve stimulation started just prior to reperfusion limits infarct size and no-reflow. <i>Basic Research in Cardiology</i> , 2015 , 110, 508 | 11.8 | 46 |

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|-----|---|------|----|
| 186 | Rapid ventricular pacing produces myocardial protection by nonischemic activation of KATP+ channels. <i>Circulation</i> , 1996 , 93, 178-86 | 16.7 | 46 |
| 185 | Distinct Endothelial Cell Responses in the Heart and Kidney Microvasculature Characterize the Progression of Heart Failure With Preserved Ejection Fraction in the Obese ZSF1 Rat With Cardiorenal Metabolic Syndrome. <i>Circulation: Heart Failure</i> , 2016 , 9, e002760 | 7.6 | 46 |
| 184 | CMTM4 regulates angiogenesis by promoting cell surface recycling of VE-cadherin to endothelial adherens junctions. <i>Angiogenesis</i> , 2019 , 22, 75-93 | 10.6 | 45 |
| 183 | Control of Blood Flow to Cardiac and Skeletal Muscle During Exercise 1996 , 705-769 | | 45 |
| 182 | Coronary blood flow regulation in exercising swine involves parallel rather than redundant vasodilator pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H424-33 | 5.3 | 44 |
| 181 | 5-Hydroxytryptamine-induced tachycardia in the pig: possible involvement of a new type of 5-hydroxytryptamine receptor. <i>British Journal of Pharmacology</i> , 1988 , 93, 663-71 | 8.6 | 43 |
| 180 | Serially measured circulating microRNAs and adverse clinical outcomes in patients with acute heart failure. <i>European Journal of Heart Failure</i> , 2018 , 20, 89-96 | 12.3 | 41 |
| 179 | Position paper of the European Society of Cardiology-working group of coronary pathophysiology and microcirculation: obesity and heart disease. <i>European Heart Journal</i> , 2017 , 38, 1951-1958 | 9.5 | 39 |
| 178 | Regulation of coronary resistance vessel tone in response to exercise. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 802-13 | 5.8 | 37 |
| 177 | Prevention of myofilament dysfunction by beta-blocker therapy in postinfarct remodeling. <i>Circulation: Heart Failure</i> , 2009 , 2, 233-42 | 7.6 | 37 |
| 176 | Control of pulmonary vascular tone during exercise in health and pulmonary hypertension 2008 , 119, 242-63 | | 37 |
| 175 | Endogenous nitric oxide masks alpha 2-adrenergic coronary vasoconstriction during exercise in the ischemic heart. <i>Circulation Research</i> , 1997 , 80, 196-207 | 15.7 | 37 |
| 174 | Coronary microvascular dysfunction after long-term diabetes and hypercholesterolemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H1339-H1351 | 5.2 | 37 |
| 173 | Saline-Induced Coronary Hyperemia: Mechanisms and Effects on Left Ventricular Function. <i>Circulation: Cardiovascular Interventions</i> , 2017 , 10, | 6 | 36 |
| 172 | Translational Research in Cardiovascular Repair: A Call for a Paradigm Shift. <i>Circulation Research</i> , 2018 , 122, 310-318 | 15.7 | 36 |
| 171 | Exercise training does not improve cardiac function in compensated or decompensated left ventricular hypertrophy induced by aortic stenosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 1017-25 | 5.8 | 36 |
| 170 | Pathophysiology and diagnosis of coronary microvascular dysfunction in ST-elevation myocardial infarction. <i>Cardiovascular Research</i> , 2020 , 116, 787-805 | 9.9 | 36 |
| 169 | Prior exercise improves survival, infarct healing, and left ventricular function after myocardial infarction. <i>Journal of Applied Physiology</i> , 2009 , 107, 928-36 | 3.7 | 35 |

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|-----|--|------|----|
| 168 | Animal and in silico models for the study of sarcomeric cardiomyopathies. <i>Cardiovascular Research</i> , 2015 , 105, 439-48 | 9.9 | 34 |
| 167 | An EAPCI Expert Consensus Document on Ischaemia with Non-Obstructive Coronary Arteries in Collaboration with European Society of Cardiology Working Group on Coronary Pathophysiology & Microcirculation Endorsed by Coronary Vasomotor Disorders International Study Group. <i>EuroIntervention</i> , 2021 , 16, 1049-1069 | 3.1 | 34 |
| 166 | Autonomic control of cardiovascular performance and whole body O ₂ delivery and utilization in swine during treadmill exercise. <i>Cardiovascular Research</i> , 1998 , 39, 459-74 | 9.9 | 33 |
| 165 | Both beta1- and beta2-adrenoceptors contribute to feedforward coronary resistance vessel dilation during exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H921-9 | 5.2 | 32 |
| 164 | Detrimental effect of combined exercise training and eNOS overexpression on cardiac function after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1513-23 | 5.2 | 32 |
| 163 | KCa ⁺ channels contribute to exercise-induced coronary vasodilation in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2090-7 | 5.2 | 32 |
| 162 | Changes in Coronary Blood Flow After Acute Myocardial Infarction: Insights From a Patient Study and an Experimental Porcine Model. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 602-13 | 5 | 31 |
| 161 | Uridine adenosine tetraphosphate is a novel vasodilator in the coronary microcirculation which acts through purinergic P1 but not P2 receptors. <i>Pharmacological Research</i> , 2013 , 67, 10-7 | 10.2 | 29 |
| 160 | Interaction between prostanoids and nitric oxide in regulation of systemic, pulmonary, and coronary vascular tone in exercising swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1114-23 | 5.2 | 29 |
| 159 | Role of adenosine in ischemic preconditioning in rats depends critically on the duration of the stimulus and involves both A(1) and A(3) receptors. <i>Cardiovascular Research</i> , 2001 , 51, 701-8 | 9.9 | 29 |
| 158 | Multidirectional wall shear stress promotes advanced coronary plaque development: comparing five shear stress metrics. <i>Cardiovascular Research</i> , 2020 , 116, 1136-1146 | 9.9 | 29 |
| 157 | Cardiac Shear Wave Velocity Detection in the Porcine Heart. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 753-764 | 3.5 | 28 |
| 156 | Transmural heterogeneity of myofilament function and sarcomeric protein phosphorylation in remodeled myocardium of pigs with a recent myocardial infarction. <i>Frontiers in Physiology</i> , 2011 , 2, 83 | 4.6 | 27 |
| 155 | Folic acid reduces doxorubicin-induced cardiomyopathy by modulating endothelial nitric oxide synthase. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 3277-3287 | 5.6 | 26 |
| 154 | Systemic haemodynamic actions of pimobendan (UD-CG 115 BS) and its O-demethylmetabolite UD-CG 212 Cl in the conscious pig. <i>British Journal of Pharmacology</i> , 1987 , 91, 609-15 | 8.6 | 26 |
| 153 | Limitation of Infarct Size and No-Reflow by Intracoronary Adenosine Depends Critically on Dose and Duration. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 1990-1999 | 5 | 25 |
| 152 | Cardioprotection in pigs by exogenous norepinephrine but not by cerebral ischemia-induced release of endogenous norepinephrine. <i>Stroke</i> , 2001 , 32, 767-74 | 6.7 | 25 |
| 151 | The effects of nisoldipine (Bay K 5552) on cardiovascular performance and regional blood flow in pentobarbital-anaesthetized pigs with or without beta-adrenoceptor blockade. <i>British Journal of Pharmacology</i> , 1986 , 88, 9-18 | 8.6 | 25 |

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| 150 | 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. <i>Cardiovascular Research</i> , 2021 , 117, 43-59 | 9.9 | 25 |
| 149 | Enhanced myofilament responsiveness upon β -adrenergic stimulation in post-infarct remodeled myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 487-99 | 5.8 | 24 |
| 148 | Exercise hyperaemia in the heart: the search for the dilator mechanism. <i>Journal of Physiology</i> , 2007 , 583, 847-54 | 3.9 | 24 |
| 147 | Alterations in vasomotor control of coronary resistance vessels in remodelled myocardium of swine with a recent myocardial infarction. <i>Medical and Biological Engineering and Computing</i> , 2008 , 46, 485-97 | 3.1 | 24 |
| 146 | Perturbations in myocardial perfusion and oxygen balance in swine with multiple risk factors: a novel model of ischemia and no obstructive coronary artery disease. <i>Basic Research in Cardiology</i> , 2020 , 115, 21 | 11.8 | 24 |
| 145 | Activation of CECR1 in M2-like TAMs promotes paracrine stimulation-mediated glial tumor progression. <i>Neuro-Oncology</i> , 2017 , 19, 648-659 | 1 | 23 |
| 144 | Experimental animal models of coronary microvascular dysfunction. <i>Cardiovascular Research</i> , 2020 , 116, 756-770 | 9.9 | 23 |
| 143 | Severe familial hypercholesterolemia impairs the regulation of coronary blood flow and oxygen supply during exercise. <i>Basic Research in Cardiology</i> , 2016 , 111, 61 | 11.8 | 22 |
| 142 | Nitroso-redox balance in control of coronary vasomotor tone. <i>Journal of Applied Physiology</i> , 2012 , 112, 1644-52 | 3.7 | 21 |
| 141 | Exercise unmasks autonomic dysfunction in swine with a recent myocardial infarction. <i>Cardiovascular Research</i> , 2005 , 65, 889-96 | 9.9 | 21 |
| 140 | Quantitative analysis of exercise-induced enhancement of early- and late-systolic retrograde coronary blood flow. <i>Journal of Applied Physiology</i> , 2010 , 108, 507-14 | 3.7 | 20 |
| 139 | Nitric oxide production is maintained in exercising swine with chronic left ventricular dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H2198-209 | 5.2 | 20 |
| 138 | Nitric oxide blunts the endothelin-mediated pulmonary vasoconstriction in exercising swine. <i>Journal of Physiology</i> , 2005 , 568, 629-38 | 3.9 | 20 |
| 137 | Effect of treadmill exercise on transmural distribution of blood flow in hypertrophied left ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 275, H1274-82 | 5.2 | 20 |
| 136 | Evidence against a role for dopamine D1 receptors in the myocardium of the pig. <i>British Journal of Pharmacology</i> , 1991 , 104, 246-50 | 8.6 | 20 |
| 135 | Chronic Kidney Disease as a Risk Factor for Heart Failure With Preserved Ejection Fraction: A Focus on Microcirculatory Factors and Therapeutic Targets. <i>Frontiers in Physiology</i> , 2019 , 10, 1108 | 4.6 | 19 |
| 134 | Early exercise training after myocardial infarction prevents contractile but not electrical remodelling or hypertrophy. <i>Cardiovascular Research</i> , 2010 , 86, 72-81 | 9.9 | 19 |
| 133 | Cardiac remodeling and contractile function in acid α -glucosidase knockout mice. <i>Physiological Genomics</i> , 2001 , 5, 171-9 | 3.6 | 19 |

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| 132 | Nicorandil-induced changes in the distribution of cardiac output and coronary blood flow in pigs. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1987 , 336, 352-8 | 3.4 | 19 |
| 131 | Nimodipine-induced changes in the distribution of carotid blood flow and cardiac output in pentobarbitone-anaesthetized pigs. <i>British Journal of Pharmacology</i> , 1986 , 89, 35-46 | 8.6 | 19 |
| 130 | Uridine adenosine tetraphosphate and purinergic signaling in cardiovascular system: An update. <i>Pharmacological Research</i> , 2019 , 141, 32-45 | 10.2 | 19 |
| 129 | A new microfluidic model that allows monitoring of complex vascular structures and cell interactions in a 3D biological matrix. <i>Lab on A Chip</i> , 2020 , 20, 1827-1844 | 7.2 | 19 |
| 128 | CMTM3 (CKLF-Like Marvel Transmembrane Domain 3) Mediates Angiogenesis by Regulating Cell Surface Availability of VE-Cadherin in Endothelial Adherens Junctions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1098-1114 | 9.4 | 18 |
| 127 | Blunted coronary vasodilator response to uridine adenosine tetraphosphate in post-infarct remodeled myocardium is due to reduced P1 receptor activation. <i>Pharmacological Research</i> , 2013 , 77, 22-9 | 10.2 | 18 |
| 126 | Acute adaptations of the coronary circulation to exercise. <i>Cell Biochemistry and Biophysics</i> , 2005 , 43, 17-35 | 3.2 | 18 |
| 125 | Oxidative injury of the pulmonary circulation in the perinatal period: Short- and long-term consequences for the human cardiopulmonary system. <i>Pulmonary Circulation</i> , 2017 , 7, 55-66 | 2.7 | 17 |
| 124 | New insights into cardioprotection by ischemic preconditioning and other forms of stress. <i>Annals of the New York Academy of Sciences</i> , 1999 , 874, 178-91 | 6.5 | 17 |
| 123 | Chromatin Conformation Links Distal Target Genes to CKD Loci. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 462-476 | 12.7 | 16 |
| 122 | Serial measurement of hFABP and high-sensitivity troponin I post-PCI in STEMI: how fast and accurate can myocardial infarct size and no-reflow be predicted?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1104-10 | 5.2 | 16 |
| 121 | Phosphodiesterase 5 inhibition-induced coronary vasodilation is reduced after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H1370-81 | 5.2 | 16 |
| 120 | Cardiovascular disease and COVID-19: a consensus paper from the ESC Working Group on Coronary Pathophysiology & Microcirculation, ESC Working Group on Thrombosis and the Association for Acute CardioVascular Care (ACVC), in collaboration with the European Heart Rhythm Association (EHRA). <i>Cardiovascular Research</i> , 2021 , | 9.9 | 16 |
| 119 | UM206, a selective Frizzled antagonist, attenuates adverse remodeling after myocardial infarction in swine. <i>Laboratory Investigation</i> , 2016 , 96, 168-76 | 5.9 | 15 |
| 118 | Transition from post-capillary pulmonary hypertension to combined pre- and post-capillary pulmonary hypertension in swine: a key role for endothelin. <i>Journal of Physiology</i> , 2019 , 597, 1157-1173 | 3.9 | 15 |
| 117 | Surgical Placement of Catheters for Long-term Cardiovascular Exercise Testing in Swine. <i>Journal of Visualized Experiments</i> , 2016 , e53772 | 1.6 | 14 |
| 116 | Pulmonary vasoconstrictor influence of endothelin in exercising swine depends critically on phosphodiesterase 5 activity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L442-52 | 5.8 | 14 |
| 115 | Cardiovascular profile of the calcium sensitizer EMD 57033 in open-chest anaesthetized pigs with regionally stunned myocardium. <i>British Journal of Pharmacology</i> , 2000 , 129, 1413-22 | 8.6 | 14 |

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|-----|--|------|----|
| 114 | Cardiovascular Function of Modern Pigs Does not Comply with Allometric Scaling Laws. <i>Scientific Reports</i> , 2018 , 8, 792 | 4.9 | 13 |
| 113 | Transcriptome analysis reveals microvascular endothelial cell-dependent pericyte differentiation. <i>Scientific Reports</i> , 2019 , 9, 15586 | 4.9 | 13 |
| 112 | Cardiovascular effects of the novel Ca ²⁺ -sensitiser EMD 57033 in pigs at rest and during treadmill exercise. <i>British Journal of Pharmacology</i> , 1997 , 122, 1257-70 | 8.6 | 13 |
| 111 | Uridine adenosine tetraphosphate acts as a proangiogenic factor in vitro through purinergic P2Y receptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H299-309 | 5.2 | 13 |
| 110 | Cgln1, an endothelial junction complex protein, regulates GTPase mediated angiogenesis. <i>Cardiovascular Research</i> , 2017 , 113, 1776-1788 | 9.9 | 12 |
| 109 | Variation in Coronary Atherosclerosis Severity Related to a Distinct LDL (Low-Density Lipoprotein) Profile: Findings From a Familial Hypercholesterolemia Pig Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 2338-2352 | 9.4 | 12 |
| 108 | What can we learn about treating heart failure from the heartQ response to acute exercise? Focus on the coronary microcirculation. <i>Journal of Applied Physiology</i> , 2015 , 119, 934-43 | 3.7 | 12 |
| 107 | Integrated control of pulmonary vascular tone by endothelin and angiotensin II in exercising swine depends on gender. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1976-85 | 5.2 | 12 |
| 106 | Decrease in coronary vascular volume in systole augments cardiac contraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H731-7 | 5.2 | 12 |
| 105 | Altered purinergic signaling in uridine adenosine tetraphosphate-induced coronary relaxation in swine with metabolic derangement. <i>Purinergic Signalling</i> , 2017 , 13, 319-329 | 3.8 | 11 |
| 104 | Normal and high eNOS levels are detrimental in both mild and severe cardiac pressure-overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 145-54 | 5.8 | 11 |
| 103 | Both male and female obese ZSF1 rats develop cardiac dysfunction in obesity-induced heart failure with preserved ejection fraction. <i>PLoS ONE</i> , 2020 , 15, e0232399 | 3.7 | 11 |
| 102 | Limited synergy of obesity and hypertension, prevalent risk factors in onset and progression of heart failure with preserved ejection fraction. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 6666-6678 | 5.6 | 11 |
| 101 | Familial hypercholesterolemia impairs exercise-induced systemic vasodilation due to reduced NO bioavailability. <i>Journal of Applied Physiology</i> , 2013 , 115, 1767-76 | 3.7 | 11 |
| 100 | Endothelial loss of Fzd5 stimulates PKC/Ets1-mediated transcription of Angpt2 and Flt1. <i>Angiogenesis</i> , 2018 , 21, 805-821 | 10.6 | 11 |
| 99 | Myocardial perfusion MRI shows impaired perfusion of the mouse hypertrophic left ventricle. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 619-28 | 2.5 | 10 |
| 98 | Early detection of left ventricular diastolic dysfunction using conventional and speckle tracking echocardiography in a large animal model of metabolic dysfunction. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 743-749 | 2.5 | 10 |
| 97 | Reduced contribution of endothelin to the regulation of systemic and pulmonary vascular tone in severe familial hypercholesterolaemia. <i>Journal of Physiology</i> , 2014 , 592, 1757-69 | 3.9 | 10 |

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|----|--|-----|----|
| 96 | Alterations in endothelial control of the pulmonary circulation in exercising swine with secondary pulmonary hypertension after myocardial infarction. <i>Journal of Physiology</i> , 2007 , 580, 907-23 | 3.9 | 10 |
| 95 | Contribution of KATP+ channels to coronary vasomotor tone regulation is enhanced in exercising swine with a recent myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1306-13 | 5.2 | 10 |
| 94 | Lentiviral Hematopoietic Stem Cell Gene Therapy Corrects Murine Pompe Disease. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 17, 1014-1025 | 6.4 | 10 |
| 93 | Exercise facilitates early recognition of cardiac and vascular remodeling in chronic thromboembolic pulmonary hypertension in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H627-H642 | 5.2 | 9 |
| 92 | Endothelial dysfunction enhances the pulmonary and systemic vasodilator effects of phosphodiesterase-5 inhibition in awake swine at rest and during treadmill exercise. <i>Experimental Biology and Medicine</i> , 2012 , 237, 201-10 | 3.7 | 9 |
| 91 | Cytochrome P-450 2C9 exerts a vasoconstrictor influence on coronary resistance vessels in swine at rest and during exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1747-55 | 5.2 | 9 |
| 90 | Role of endothelin receptor activation in secondary pulmonary hypertension in awake swine after myocardial infarction. <i>Journal of Physiology</i> , 2006 , 574, 615-26 | 3.9 | 9 |
| 89 | Role of K+ATP channels in ischemic preconditioning and cardioprotection. <i>Cardiovascular Drugs and Therapy</i> , 2000 , 14, 7-16 | 3.9 | 9 |
| 88 | Local endothelial DNA repair deficiency causes aging-resembling endothelial-specific dysfunction. <i>Clinical Science</i> , 2020 , 134, 727-746 | 6.5 | 9 |
| 87 | Disentangling the Gordian knot of local metabolic control of coronary blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H11-H24 | 5.2 | 9 |
| 86 | H3K27ac acetylome signatures reveal the epigenomic reorganization in remodeled non-failing human hearts. <i>Clinical Epigenetics</i> , 2020 , 12, 106 | 7.7 | 9 |
| 85 | Pulmonary microvascular remodeling in chronic thrombo-embolic pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L951-L964 | 5.8 | 9 |
| 84 | Cardiac remodelling in a swine model of chronic thromboembolic pulmonary hypertension: comparison of right vs. left ventricle. <i>Journal of Physiology</i> , 2019 , 597, 4465-4480 | 3.9 | 8 |
| 83 | Indoxyl Sulfate Stimulates Angiogenesis by Regulating Reactive Oxygen Species Production via CYP1B1. <i>Toxins</i> , 2019 , 11, | 4.9 | 8 |
| 82 | Gene reprogramming in exercise-induced cardiac hypertrophy in swine: A transcriptional genomics approach. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 77, 168-74 | 5.8 | 8 |
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