

Hans W M Niessen

List of Publications by Citations

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210
papers

9,422
citations

45
h-index

92
g-index

216
ext. papers

10,930
ext. citations

5.6
avg, IF

5.52
L-index

#	Paper	IF	Citations
210	Myocardial infarction accelerates atherosclerosis. <i>Nature</i> , 2012 , 487, 325-9	50.4	674
209	C-reactive protein as a cardiovascular risk factor: more than an epiphenomenon?. <i>Circulation</i> , 1999 , 100, 96-102	16.7	665
208	Diastolic stiffness of the failing diabetic heart: importance of fibrosis, advanced glycation end products, and myocyte resting tension. <i>Circulation</i> , 2008 , 117, 43-51	16.7	509
207	Myocardial structure and function differ in systolic and diastolic heart failure. <i>Circulation</i> , 2006 , 113, 1966-73	16.7	469
206	Human bone marrow- and adipose-mesenchymal stem cells secrete exosomes enriched in distinctive miRNA and tRNA species. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 127	8.3	430
205	Low myocardial protein kinase G activity in heart failure with preserved ejection fraction. <i>Circulation</i> , 2012 , 126, 830-9	16.7	306
204	Myocardial Microvascular Inflammatory Endothelial Activation in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016 , 4, 312-24	7.9	262
203	C-reactive protein colocalizes with complement in human hearts during acute myocardial infarction. <i>Circulation</i> , 1997 , 95, 97-103	16.7	250
202	PET/MRI of inflammation in myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 153-63	15.1	245
201	Viral presence and immunopathology in patients with lethal COVID-19: a prospective autopsy cohort study. <i>Lancet Microbe, The</i> , 2020 , 1, e290-e299	22.2	245
200	Apoptosis in myocardial ischaemia and infarction. <i>Journal of Clinical Pathology</i> , 2002 , 55, 801-11	3.9	204
199	Monocyte subset accumulation in the human heart following acute myocardial infarction and the role of the spleen as monocyte reservoir. <i>European Heart Journal</i> , 2014 , 35, 376-85	9.5	152
198	Diabetes mellitus worsens diastolic left ventricular dysfunction in aortic stenosis through altered myocardial structure and cardiomyocyte stiffness. <i>Circulation</i> , 2011 , 124, 1151-9	16.7	152
197	Magnetic resonance imaging-defined areas of microvascular obstruction after acute myocardial infarction represent microvascular destruction and haemorrhage. <i>European Heart Journal</i> , 2013 , 34, 2348-53	12.5	141
196	Increased Nox2 expression in human cardiomyocytes after acute myocardial infarction. <i>Journal of Clinical Pathology</i> , 2003 , 56, 194-9	3.9	127
195	Neonatal porencephaly and adult stroke related to mutations in collagen IV A1. <i>Annals of Neurology</i> , 2006 , 59, 504-11	9.4	124
194	Extent of MRI delayed enhancement of myocardial mass is related to right ventricular dysfunction in pulmonary artery hypertension. <i>American Journal of Roentgenology</i> , 2007 , 188, 349-55	5.4	121

193	Diaphragm muscle fiber weakness and ubiquitin-proteasome activation in critically ill patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 1126-38	10.2	116
192	Advanced glycation end products in human cancer tissues: detection of Nepsilon-(carboxymethyl)lysine and argpyrimidine. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1043, 725-33	6.5	97
191	Cancer drug addiction is relayed by an ERK2-dependent phenotype switch. <i>Nature</i> , 2017 , 550, 270-274	50.4	86
190	Differentiation of human adipose-derived stem cells towards cardiomyocytes is facilitated by laminin. <i>Cell and Tissue Research</i> , 2008 , 334, 457-67	4.2	84
189	Increased accumulation of the glycoxidation product Nepsilon-(carboxymethyl)lysine in hearts of diabetic patients: generation and characterisation of a monoclonal anti-CML antibody. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004 , 1636, 82-9	5	82
188	Monomeric C-reactive protein modulates classic complement activation on necrotic cells. <i>FASEB Journal</i> , 2011 , 25, 4198-210	0.9	81
187	C-reactive protein activates complement in infarcted human myocardium. <i>American Journal of Pathology</i> , 2003 , 163, 269-75	5.8	81
186	Increased nitrosative/oxidative stress lowers myocardial protein kinase G activity in heart failure with preserved ejection fraction. <i>BMC Pharmacology & Toxicology</i> , 2013 , 14,	2.6	78
185	Amyloid in the cardiovascular system: a review. <i>Journal of Clinical Pathology</i> , 2005 , 58, 125-33	3.9	76
184	Colocalisation of intraplaque C reactive protein, complement, oxidised low density lipoprotein, and macrophages in stable and unstable angina and acute myocardial infarction. <i>Journal of Clinical Pathology</i> , 2006 , 59, 196-201	3.9	72
183	Human platelet lysate as a fetal bovine serum substitute improves human adipose-derived stromal cell culture for future cardiac repair applications. <i>Cell and Tissue Research</i> , 2012 , 348, 119-30	4.2	71
182	Mutations in MYH7 reduce the force generating capacity of sarcomeres in human familial hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2013 , 99, 432-41	9.9	69
181	NADPH oxidase(s): new source(s) of reactive oxygen species in the vascular system?. <i>Journal of Clinical Pathology</i> , 2002 , 55, 561-8	3.9	69
180	Ablation of colorectal liver metastases by irreversible electroporation: results of the COLDFIRE-I ablate-and-resect study. <i>European Radiology</i> , 2014 , 24, 2467-75	8	62
179	Activation of AP-1 through reactive oxygen species by angiotensin II in rat cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1601-10	7.8	60
178	The value of autopsies in the era of high-tech medicine: discrepant findings persist. <i>Journal of Clinical Pathology</i> , 2014 , 67, 512-9	3.9	59
177	Reduction of infarct size by intravenous injection of uncultured adipose derived stromal cells in a rat model is dependent on the time point of application. <i>Stem Cell Research</i> , 2011 , 7, 219-29	1.6	59
176	Diagnosis of myocarditis: Current state and future perspectives. <i>International Journal of Cardiology</i> , 2015 , 191, 211-9	3.2	57

175	Cathepsin A-related arteriopathy with strokes and leukoencephalopathy (CARASAL). <i>Neurology</i> , 2016 , 87, 1777-1786	6.5	56
174	TR3 nuclear orphan receptor prevents cyclic stretch-induced proliferation of venous smooth muscle cells. <i>American Journal of Pathology</i> , 2006 , 168, 2027-35	5.8	55
173	Accumulation of fibronectin in the heart after myocardial infarction: a putative stimulator of adhesion and proliferation of adipose-derived stem cells. <i>Cell and Tissue Research</i> , 2008 , 332, 289-98	4.2	53
172	Distinct mechanisms for diastolic dysfunction in diabetes mellitus and chronic pressure-overload. <i>Basic Research in Cardiology</i> , 2011 , 106, 801-14	11.8	50
171	Argpyrimidine-modified Heat shock protein 27 in human non-small cell lung cancer: a possible mechanism for evasion of apoptosis. <i>Cancer Letters</i> , 2006 , 241, 309-19	9.9	50
170	Clusterin: a protective mediator for ischemic cardiomyocytes?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2193-202	5.2	50
169	Acute inflammation is persistent locally in burn wounds: a pivotal role for complement and C-reactive protein. <i>Journal of Burn Care and Research</i> , 2009 , 30, 274-80	0.8	49
168	Differential up-regulation of specific and azurophilic granule membrane markers in electropermeabilized neutrophils. <i>Cellular Signalling</i> , 1992 , 4, 501-9	4.9	49
167	Myocardial infarction triggers cardioprotective antigen-specific T helper cell responses. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4922-4936	15.9	49
166	Distinct myocardial effects of beta-blocker therapy in heart failure with normal and reduced left ventricular ejection fraction. <i>European Heart Journal</i> , 2009 , 30, 1863-72	9.5	46
165	Type II secretory phospholipase A2 in cardiovascular disease: a mediator in atherosclerosis and ischemic damage to cardiomyocytes?. <i>Cardiovascular Research</i> , 2003 , 60, 68-77	9.9	45
164	Right ventricular oxygen supply parameters are decreased in human and experimental pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2013 , 32, 231-40	5.8	44
163	NOX5 expression is increased in intramyocardial blood vessels and cardiomyocytes after acute myocardial infarction in humans. <i>American Journal of Pathology</i> , 2012 , 180, 2222-9	5.8	43
162	Intravenous clusterin administration reduces myocardial infarct size in rats. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 893-902	4.6	43
161	Complement factor C5a as mast cell activator mediates vascular remodelling in vein graft disease. <i>Cardiovascular Research</i> , 2013 , 97, 311-20	9.9	42
160	Selective diaphragm muscle weakness after contractile inactivity during thoracic surgery. <i>Annals of Surgery</i> , 2011 , 254, 1044-9	7.8	42
159	T1 mapping shows increased extracellular matrix size in the myocardium due to amyloid depositions. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 423-6	3.9	41
158	Pulmonary embolism causes endomyocarditis in the human heart. <i>Heart</i> , 2008 , 94, 450-6	5.1	41

157	Novel COL4A1 mutations cause cerebral small vessel disease by haploinsufficiency. <i>Human Molecular Genetics</i> , 2013 , 22, 391-7	5.6	40
156	Ischemia induces nuclear NOX2 expression in cardiomyocytes and subsequently activates apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 913-21	5.4	40
155	Homocysteine-induced apoptosis in endothelial cells coincides with nuclear NOX2 and peri-nuclear NOX4 activity. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 341-52	3.2	39
154	Loss of DPP4 activity is related to a prothrombogenic status of endothelial cells: implications for the coronary microvasculature of myocardial infarction patients. <i>Basic Research in Cardiology</i> , 2012 , 107, 233	11.8	38
153	The effect of monohydroxyethylrutoside on doxorubicin-induced cardiotoxicity in patients treated for metastatic cancer in a phase II study. <i>British Journal of Cancer</i> , 2007 , 97, 1084-9	8.7	38
152	Secretory type II phospholipase A(2) binds to ischemic myocardium during myocardial infarction in humans. <i>Cardiovascular Research</i> , 2002 , 53, 138-46	9.9	38
151	Homocysteine affects cardiomyocyte viability: concentration-dependent effects on reversible flip-flop, apoptosis and necrosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 1407-18	5.4	37
150	CRP, a major culprit in complement-mediated tissue damage in acute myocardial infarction?. <i>International Immunopharmacology</i> , 2001 , 1, 403-14	5.8	37
149	Modulators of Macrophage Polarization Influence Healing of the Infarcted Myocardium. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 29583-91	6.3	36
148	N(epsilon)-(carboxymethyl)lysine depositions in intramyocardial blood vessels in human and rat acute myocardial infarction: a predictor or reflection of infarction?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2497-503	9.4	36
147	Toll-like receptor 4 is involved in human and mouse vein graft remodeling, and local gene silencing reduces vein graft disease in hypercholesterolemic APOE*3Leiden mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1033-40	9.4	35
146	Type II secretory phospholipase A2 binds to ischemic flip-flopped cardiomyocytes and subsequently induces cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 285, H2218-24	5.2	35
145	The methylglyoxal-derived AGE tetrahydropyrimidine is increased in plasma of individuals with type 1 diabetes mellitus and in atherosclerotic lesions and is associated with sVCAM-1. <i>Diabetologia</i> , 2013 , 56, 1845-55	10.3	34
144	IgM colocalises with complement and C reactive protein in infarcted human myocardium. <i>Journal of Clinical Pathology</i> , 2005 , 58, 382-8	3.9	34
143	Decreased smooth muscle cell/extracellular matrix ratio of media of femoral artery in patients with atherosclerosis and hyperhomocysteinemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 573-7	9.4	34
142	Sex Differences at the Time of Myectomy in Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2018 , 11, e004133	7.6	34
141	Intercellular adhesion molecule-1 in the heart. <i>Annals of the New York Academy of Sciences</i> , 2002 , 973, 573-85	6.5	33
140	Mitochondrial complex I dysfunction and altered NAD(P)H kinetics in rat myocardium in cardiac right ventricular hypertrophy and failure. <i>Cardiovascular Research</i> , 2016 , 111, 362-72	9.9	33

139	Elevated monocyte-specific type I interferon signalling correlates positively with cardiac healing in myocardial infarct patients but interferon alpha application deteriorates myocardial healing in rats. <i>Basic Research in Cardiology</i> , 2018 , 114, 1	11.8	33
138	Insulin-induced changes in skeletal muscle microvascular perfusion are dependent upon perivascular adipose tissue in women. <i>Diabetologia</i> , 2015 , 58, 1907-15	10.3	32
137	Plaque rupture complications in murine atherosclerotic vein grafts can be prevented by TIMP-1 overexpression. <i>PLoS ONE</i> , 2012 , 7, e47134	3.7	32
136	More severe cellular phenotype in human idiopathic dilated cardiomyopathy compared to ischemic heart disease. <i>Journal of Muscle Research and Cell Motility</i> , 2010 , 31, 289-301	3.5	32
135	Pressure-diameter relationship in the human greater saphenous vein. <i>Annals of Thoracic Surgery</i> , 2003 , 76, 1533-8	2.7	31
134	Activated human PMN synthesize and release a strongly fucosylated glycoform of alpha1-acid glycoprotein, which is transiently deposited in human myocardial infarction. <i>Journal of Leukocyte Biology</i> , 2005 , 78, 453-61	6.5	30
133	Inhibition of type 2A secretory phospholipase A2 reduces death of cardiomyocytes in acute myocardial infarction. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 753-63	5.4	29
132	Stasis Promotes Erythrocyte Adhesion to von Willebrand Factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1618-1627	9.4	27
131	S-Adenosylhomocysteine induces apoptosis and phosphatidylserine exposure in endothelial cells independent of homocysteine. <i>Atherosclerosis</i> , 2012 , 221, 48-54	3.1	27
130	Prolonged C1 inhibitor administration improves local healing of burn wounds and reduces myocardial inflammation in a rat burn wound model. <i>Journal of Burn Care and Research</i> , 2012 , 33, 544-51 ^{0.8}		27
129	Inhibition of Rho-ROCK signaling induces apoptotic and non-apoptotic PS exposure in cardiomyocytes via inhibition of flippase. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 781-90	5.8	26
128	Anti-inflammatory agents and monoHER protect against DOX-induced cardiotoxicity and accumulation of CML in mice. <i>British Journal of Cancer</i> , 2007 , 96, 937-43	8.7	26
127	Inhibition of sPLA2-IIA, C-reactive protein or complement: new therapy for patients with acute myocardial infarction?. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2006 , 6, 113-23	1.1	25
126	Enhanced myofilament responsiveness upon βadrenergic stimulation in post-infarct remodeled myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 487-99	5.8	24
125	N(omega)-(carboxymethyl)lysine depositions in human aortic heart valves: similarities with atherosclerotic blood vessels. <i>Atherosclerosis</i> , 2004 , 174, 287-92	3.1	24
124	Ventricular myocarditis coincides with atrial myocarditis in patients. <i>Cardiovascular Pathology</i> , 2016 , 25, 141-8	3.8	23
123	Apoptosis in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 1387-8	5.4	23
122	C-reactive protein and complement depositions in human infarcted myocardium are more extensive in patients with reinfarction or upon treatment with reperfusion. <i>European Journal of Clinical Investigation</i> , 2004 , 34, 803-10	4.6	23

121	Dissecting the Effects of Ischemia and Reperfusion on the Coronary Microcirculation in a Rat Model of Acute Myocardial Infarction. <i>PLoS ONE</i> , 2016 , 11, e0157233	3.7	23
120	Increased Nepsilon-(carboxymethyl)-lysine levels in cerebral blood vessels of diabetic patients and in a (streptozotocin-treated) rat model of diabetes mellitus. <i>European Journal of Endocrinology</i> , 2008 , 158, 655-60	6.5	22
119	C-reactive protein and natural IgM antibodies are activators of complement in a rat model of intestinal ischemia and reperfusion. <i>Surgery</i> , 2007 , 142, 722-33	3.6	22
118	Perivenous application of fibrin glue reduces early injury to the human saphenous vein graft wall in an ex vivo model. <i>European Journal of Cardio-thoracic Surgery</i> , 2002 , 21, 212-7	3	22
117	Release of azurophilic granule contents in fMLP-stimulated neutrophils requires two activation signals, one of which is a rise in cytosolic free Ca ²⁺ . <i>Cellular Signalling</i> , 1991 , 3, 625-33	4.9	22
116	The role of complement in the acute phase response after burns. <i>Burns</i> , 2017 , 43, 1390-1399	2.3	21
115	Neutralization of IL-8 prevents the induction of dermatologic adverse events associated with the inhibition of epidermal growth factor receptor. <i>PLoS ONE</i> , 2012 , 7, e39706	3.7	21
114	Depletion of activated macrophages with a folate receptor-beta-specific antibody improves symptoms in mouse models of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2019 , 21, 143	5.7	20
113	Noncanonical NF- κ B signaling in microvessels of atherosclerotic lesions is associated with inflammation, atheromatous plaque morphology and myocardial infarction. <i>Atherosclerosis</i> , 2018 , 270, 33-41	3.1	19
112	Therapeutic application of adipose derived stem cells in acute myocardial infarction: lessons from animal models. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 389-98	6.4	19
111	H9c2 cardiomyoblasts produce thyroid hormone. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1227-33	5.4	19
110	Myocarditis in patients with subarachnoid hemorrhage: A histopathologic study. <i>Journal of Critical Care</i> , 2016 , 32, 196-200	4	18
109	Colchicine aggravates coxsackievirus B3 infection in mice. <i>International Journal of Cardiology</i> , 2016 , 216, 58-65	3.2	18
108	Atrial fibrillation coincides with the advanced glycation end product N ^ε -(carboxymethyl)lysine in the atrium. <i>American Journal of Pathology</i> , 2015 , 185, 2096-104	5.8	17
107	Infectious myocarditis: the role of the cardiac vasculature. <i>Heart Failure Reviews</i> , 2018 , 23, 583-595	5	17
106	Development of a new therapeutic technique to direct stem cells to the infarcted heart using targeted microbubbles: StemBells. <i>Stem Cell Research</i> , 2016 , 17, 6-15	1.6	17
105	Neutrophil extracellular traps coincide with a pro-coagulant status of microcirculatory endothelium in burn wounds. <i>Wound Repair and Regeneration</i> , 2017 , 25, 609-617	3.6	17
104	Inflammatory cell content of coronary thrombi is dependent on thrombus age in patients with ST-elevation myocardial infarction. <i>Journal of Cardiology</i> , 2017 , 69, 394-400	3	17

103	Autopsy after transcatheter aortic valve implantation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017 , 470, 331-339	5.1	16
102	Early NADPH oxidase-2 activation is crucial in phenylephrine-induced hypertrophy of H9c2 cells. <i>Cellular Signalling</i> , 2014 , 26, 1818-24	4.9	16
101	NOX2, p22phox and p47phox are targeted to the nuclear pore complex in ischemic cardiomyocytes colocalizing with local reactive oxygen species. <i>Cellular Physiology and Biochemistry</i> , 2011 , 27, 471-8	3.9	16
100	Multifactorial resistance to aminopeptidase inhibitor prodrug CHR2863 in myeloid leukemia cells: down-regulation of carboxylesterase 1, drug sequestration in lipid droplets and pro-survival activation ERK/Akt/mTOR. <i>Oncotarget</i> , 2016 , 7, 5240-57	3.3	16
99	Left ventricular outflow tract gradient is associated with reduced capillary density in hypertrophic cardiomyopathy irrespective of genotype. <i>European Journal of Clinical Investigation</i> , 2015 , 45, 1252-9	4.6	15
98	Effect of additional treatment with EXenatide in patients with an Acute Myocardial Infarction (EXAMI): study protocol for a randomized controlled trial. <i>Trials</i> , 2011 , 12, 240	2.8	15
97	C4b-binding protein is present in affected areas of myocardial infarction during the acute inflammatory phase and covers a larger area than C3. <i>PLoS ONE</i> , 2008 , 3, e2886	3.7	15
96	Localisation of C reactive protein in infarcted tissue sites of multiple organs during sepsis. <i>Journal of Clinical Pathology</i> , 2002 , 55, 152-3	3.9	15
95	Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine. <i>Forensic Science International</i> , 2015 , 247, 7-13	2.6	14
94	Total burden of intraplaque hemorrhage in coronary arteries relates to the use of coumarin-type anticoagulants but not platelet aggregation inhibitors. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014 , 465, 723-9	5.1	14
93	A new method to determine wound age in early vital skin injuries: a probability scoring system using expression levels of Fibronectin, CD62p and Factor VIII in wound hemorrhage. <i>Forensic Science International</i> , 2014 , 244, 128-35	2.6	14
92	Long-term effects of 7-monohydroxyethylrutoside (monoHER) on DOX-induced cardiotoxicity in mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2007 , 60, 509-14	3.5	14
91	Surgical sealant in the prevention of early vein graft injury in an ex vivo model. <i>Cardiovascular Pathology</i> , 2003 , 12, 202-6	3.8	14
90	The Local and Systemic Inflammatory Response in a Pig Burn Wound Model With a Pivotal Role for Complement. <i>Journal of Burn Care and Research</i> , 2017 , 38, e796-e806	0.8	13
89	Secretory type II phospholipase A2 in culprit coronary lesions is associated with myocardial infarction. <i>European Journal of Clinical Investigation</i> , 2008 , 38, 205-10	4.6	13
88	Apolipoprotein H, a new mediator in the inflammatory changes ensuing in jeopardised human myocardium. <i>Journal of Clinical Pathology</i> , 2000 , 53, 863-7	3.9	13
87	Mechanical ventilation during experimental sepsis increases deposition of advanced glycation end products and myocardial inflammation. <i>Critical Care</i> , 2009 , 13, R87	10.8	12
86	Topical vascular endothelial growth factor in rabbit tracheal surgery: comparative effect on healing using various reconstruction materials and intraluminal stents. <i>European Journal of Cardio-thoracic Surgery</i> , 2003 , 23, 6-14	3	12

85	On the value of therapeutic interventions targeting the complement system in acute myocardial infarction. <i>Translational Research</i> , 2017 , 182, 103-122	11	11
84	Homocysteine-induced cardiomyocyte apoptosis and plasma membrane flip-flop are independent of S-adenosylhomocysteine: a crucial role for nuclear p47(phox). <i>Molecular and Cellular Biochemistry</i> , 2011 , 358, 229-39	4.2	11
83	Activated complement is more extensively present in diseased aortic valves than naturally occurring complement inhibitors: a sign of ongoing inflammation. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 4-10	4.6	11
82	Initial characterization of C16orf89, a novel thyroid-specific gene. <i>Thyroid</i> , 2010 , 20, 811-21	6.2	11
81	Effects of diabetes mellitus, pressure-overload and their association on myocardial structure and function. <i>American Journal of Hypertension</i> , 2009 , 22, 1190-8	2.3	11
80	Lymphocytic myocarditis occurs with myocardial infarction and coincides with increased inflammation, hemorrhage and instability in coronary artery atherosclerotic plaques. <i>International Journal of Cardiology</i> , 2017 , 232, 53-62	3.2	10
79	Orthopedic surgery increases atherosclerotic lesions and necrotic core area in ApoE ^{-/-} mice. <i>Atherosclerosis</i> , 2016 , 255, 164-170	3.1	10
78	Endogenous C1-inhibitor production and expression in the heart after acute myocardial infarction. <i>Cardiovascular Pathology</i> , 2016 , 25, 33-9	3.8	10
77	The basement membrane of intramyocardial capillaries is thickened in patients with acute myocardial infarction. <i>Journal of Vascular Research</i> , 2010 , 47, 54-60	1.9	10
76	Tracheal replacement in rabbits with a new composite silicone-metallic prosthesis. <i>Asian Cardiovascular and Thoracic Annals</i> , 2003 , 11, 245-9	0.6	10
75	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2020 , 15, e0232427	3.7	9
74	C1-esterase inhibitor protects against early vein graft remodeling under arterial blood pressure. <i>Atherosclerosis</i> , 2012 , 220, 86-92	3.1	9
73	The multidrug resistance protein breast cancer resistance protein (BCRP) protects adipose-derived stem cells against ischemic damage. <i>Cell Biology and Toxicology</i> , 2012 , 28, 303-15	7.4	9
72	Rationale and design of a proof-of-concept trial investigating the effect of uninterrupted perioperative (par)enteral nutrition on amino acid profile, cardiomyocytes structure, and cardiac perfusion and metabolism of patients undergoing coronary artery bypass grafting. <i>Journal of Cardiothoracic Surgery</i> , 2011 , 6, 36	1.6	9
71	Production of endothelin-1 and reduced blood flow in the rat kidney during lung-injurious mechanical ventilation. <i>Anesthesia and Analgesia</i> , 2008 , 107, 1276-83	3.9	9
70	The influence of the time interval between monoHER and doxorubicin administration on the protection against doxorubicin-induced cardiotoxicity in mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 58, 699-702	3.5	9
69	CD45 is a more sensitive marker than CD3 to diagnose lymphocytic myocarditis in the endomyocardium. <i>Human Pathology</i> , 2017 , 62, 83-90	3.7	8
68	Wistar rats from different suppliers have a different response in an acute myocardial infarction model. <i>Research in Veterinary Science</i> , 2014 , 96, 377-9	2.5	8

67	Early myocardial dysfunction is not caused by mitochondrial abnormalities in a rat model of peritonitis. <i>Journal of Surgical Research</i> , 2012 , 176, 178-84	2.5	8
66	Role of protein phosphorylation in the degranulation of electropermeabilized human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1223, 267-73	4.9	8
65	Investigating histological aspects of scars in children. <i>Journal of Wound Care</i> , 2017 , 26, 256-265	2.2	7
64	Pharmacodynamic monitoring of (immuno)proteasome inhibition during bortezomib treatment of a critically ill patient with lupus nephritis and myocarditis. <i>Lupus Science and Medicine</i> , 2015 , 2, e000121	4.6	7
63	Role for complement as an intermediate between C-reactive protein and intercellular adhesion molecule-1 expression?. <i>Circulation</i> , 2001 , 104, E46	16.7	7
62	Dopamine induces lipid accumulation, NADPH oxidase-related oxidative stress, and a proinflammatory status of the plasma membrane in H9c2 cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H1097-H1107	5.2	7
61	Divergent chemokine receptor expression and the consequence for human IgG4 B cell responses. <i>European Journal of Immunology</i> , 2020 , 50, 1113-1125	6.1	7
60	Atrial inflammation in different atrial fibrillation subtypes and its relation with clinical risk factors. <i>Clinical Research in Cardiology</i> , 2020 , 109, 1271-1281	6.1	6
59	LPS-Induced Systemic Inflammation Does Not Alter Atherosclerotic Plaque Area or Inflammation in APOE3*LEIDEN Mice in the Early Phase Up to 15 Days. <i>Shock</i> , 2018 , 50, 360-365	3.4	6
58	Mast cells are increased in the media of coronary lesions in patients with myocardial infarction and may favor atherosclerotic plaque instability. <i>Journal of Cardiology</i> , 2017 , 69, 548-554	3	6
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