

# Hans W M Niessen

## List of Publications by Year in descending order

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215  
papers

12,013  
citations

41258

49  
h-index

30010

103  
g-index

216  
all docs

216  
docs citations

216  
times ranked

18034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myocardial infarction accelerates atherosclerosis. <i>Nature</i> , 2012, 487, 325-329.	13.7	874
2	C-Reactive Protein as a Cardiovascular Risk Factor. <i>Circulation</i> , 1999, 100, 96-102.	1.6	790
3	Diastolic Stiffness of the Failing Diabetic Heart. <i>Circulation</i> , 2008, 117, 43-51.	1.6	621
4	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.	2.4	599
5	Myocardial Structure and Function Differ in Systolic and Diastolic Heart Failure. <i>Circulation</i> , 2006, 113, 1966-1973.	1.6	558
6	Viral presence and immunopathology in patients with lethal COVID-19: a prospective autopsy cohort study. <i>Lancet Microbe</i> , The, 2020, 1, e290-e299.	3.4	422
7	Low Myocardial Protein Kinase G Activity in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2012, 126, 830-839.	1.6	418
8	Myocardial Microvascular Inflammatory Endothelial Activation in Heart Failure With Preserved Ejection Fraction. <i>JACC: Heart Failure</i> , 2016, 4, 312-324.	1.9	390
9	C-Reactive Protein Colocalizes With Complement in Human Hearts During Acute Myocardial Infarction. <i>Circulation</i> , 1997, 95, 97-103.	1.6	321
10	PET/MRI of Inflammation in Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 153-163.	1.2	301
11	Apoptosis in myocardial ischaemia and infarction. <i>Journal of Clinical Pathology</i> , 2002, 55, 801-811.	1.0	256
12	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, 376-385.	1.0	210
13	Diabetes Mellitus Worsens Diastolic Left Ventricular Dysfunction in Aortic Stenosis Through Altered Myocardial Structure and Cardiomyocyte Stiffness. <i>Circulation</i> , 2011, 124, 1151-1159.	1.6	196
14	Magnetic resonance imaging-defined areas of microvascular obstruction after acute myocardial infarction represent microvascular destruction and haemorrhage. <i>European Heart Journal</i> , 2013, 34, 2346-2353.	1.0	172
15	Diaphragm Muscle Fiber Weakness and Ubiquitinâ€“Proteasome Activation in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1126-1138.	2.5	158
16	Increased Nox2 expression in human cardiomyocytes after acute myocardial infarction. <i>Journal of Clinical Pathology</i> , 2003, 56, 194-199.	1.0	152
17	Neonatal porencephaly and adult stroke related to mutations in collagen IV A1. <i>Annals of Neurology</i> , 2006, 59, 504-511.	2.8	140
18	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, 349-355.	1.0	139

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19	Cancer drug addiction is relayed by an ERK2-dependent phenotype switch. <i>Nature</i> , 2017, 550, 270-274.	13.7	138
20	Advanced Glycation End Products in Human Cancer Tissues: Detection of N <sup>ε</sup> -(Carboxymethyl)lysine and Argpyrimidine. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 725-733.	1.8	113
21	Myocardial infarction triggers cardioprotective antigen-specific T helper cell responses. <i>Journal of Clinical Investigation</i> , 2019, 129, 4922-4936.	3.9	109
22	Mutations in MYH7 reduce the force generating capacity of sarcomeres in human familial hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2013, 99, 432-441.	1.8	102
23	C-Reactive Protein Activates Complement in Infarcted Human Myocardium. <i>American Journal of Pathology</i> , 2003, 163, 269-275.	1.9	100
24	Monomeric C-reactive protein modulates classic complement activation on necrotic cells. <i>FASEB Journal</i> , 2011, 25, 4198-4210.	0.2	99
25	Amyloid in the cardiovascular system: a review. <i>Journal of Clinical Pathology</i> , 2005, 58, 125-133.	1.0	94
26	Differentiation of human adipose-derived stem cells towards cardiomyocytes is facilitated by laminin. <i>Cell and Tissue Research</i> , 2008, 334, 457-467.	1.5	91
27	Increased accumulation of the glycoxidation product N <sup>ε</sup> -(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, 82-89.	1.2	89
28	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, 219-229.	0.3	85
29	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, 119-130.	1.5	84
30	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.	1.0	83
31	Cathepsin A-related arteriopathy with strokes and leukoencephalopathy (CARASAL). <i>Neurology</i> , 2016, 87, 1777-1786.	1.5	82
32	NADPH oxidase(s): new source(s) of reactive oxygen species in the vascular system?. <i>Journal of Clinical Pathology</i> , 2002, 55, 561-568.	1.0	77
33	The value of autopsies in the era of high-tech medicine: discrepant findings persist. <i>Journal of Clinical Pathology</i> , 2014, 67, 512-519.	1.0	77
34	Ablation of colorectal liver metastases by irreversible electroporation: results of the COLDFIRE-I ablate-and-resect study. <i>European Radiology</i> , 2014, 24, 2467-2475.	2.3	76
35	Diagnosis of myocarditis: Current state and future perspectives. <i>International Journal of Cardiology</i> , 2015, 191, 211-219.	0.8	70
36	Activation of AP-1 through reactive oxygen species by angiotensin II in rat cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1601-1610.	1.3	65

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37	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, 309-319.	3.2	63
38	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, 289-298.	1.5	63
39	TR3 Nuclear Orphan Receptor Prevents Cyclic Stretch-Induced Proliferation of Venous Smooth Muscle Cells. <i>American Journal of Pathology</i> , 2006, 168, 2027-2035.	1.9	62
40	Pulmonary embolism causes endomyocarditis in the human heart. <i>Heart</i> , 2007, 94, 450-456.	1.2	61
41	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, 274-280.	0.2	57
42	Clusterin: a protective mediator for ischemic cardiomyocytes?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2193-H2202.	1.5	56
43	Differential up-regulation of specific and azurophilic granule membrane markers in electropermeabilized neutrophils. <i>Cellular Signalling</i> , 1992, 4, 501-509.	1.7	55
44	Distinct mechanisms for diastolic dysfunction in diabetes mellitus and chronic pressure-overload. <i>Basic Research in Cardiology</i> , 2011, 106, 801-814.	2.5	54
45	Homocysteine-Induced Apoptosis in Endothelial Cells Coincides With Nuclear NOX2 and Peri-nuclear NOX4 Activity. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 341-352.	0.9	54
46	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.	1.8	53
47	NOX5 Expression Is Increased in Intramyocardial Blood Vessels and Cardiomyocytes after Acute Myocardial Infarction in Humans. <i>American Journal of Pathology</i> , 2012, 180, 2222-2229.	1.9	53
48	Right ventricular oxygen supply parameters are decreased in human and experimental pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2013, 32, 231-240.	0.3	53
49	Selective Diaphragm Muscle Weakness After Contractile Inactivity During Thoracic Surgery. <i>Annals of Surgery</i> , 2011, 254, 1044-1049.	2.1	51
50	Novel COL4A1 mutations cause cerebral small vessel disease by haploinsufficiency. <i>Human Molecular Genetics</i> , 2013, 22, 391-397.	1.4	51
51	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, 1863-1872.	1.0	50
52	Intravenous clusterin administration reduces myocardial infarct size in rats. <i>European Journal of Clinical Investigation</i> , 2010, 40, 893-902.	1.7	50
53	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, 1084-1089.	2.9	49
54	Complement factor C5a as mast cell activator mediates vascular remodelling in vein graft disease. <i>Cardiovascular Research</i> , 2013, 97, 311-320.	1.8	49

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55	Modulators of Macrophage Polarization Influence Healing of the Infarcted Myocardium. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29583-29591.	1.8	49
56	T1 Mapping Shows Increased Extracellular Matrix Size in the Myocardium Due to Amyloid Depositions. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 423-426.	1.3	48
57	Sex Differences at the Time of Myectomy in Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2018, 11, e004133.	1.6	48
58	Secretory type II phospholipase A2 binds to ischemic myocardium during myocardial infarction in humans. <i>Cardiovascular Research</i> , 2002, 53, 138-146.	1.8	47
59	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.	2.5	45
60	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, 1845-1855.	2.9	44
61	Insulin-induced changes in skeletal muscle microvascular perfusion are dependent upon perivascular adipose tissue in women. <i>Diabetologia</i> , 2015, 58, 1907-1915.	2.9	44
62	Stasis Promotes Erythrocyte Adhesion to von Willebrand Factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1618-1627.	1.1	44
63	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> , 2019, 114, 1.	2.5	44
64	N <sup>ε</sup> -(Carboxymethyl)lysine Depositions in Intramyocardial Blood Vessels in Human and Rat Acute Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2497-2503.	1.1	43
65	CRP, a major culprit in complement-mediated tissue damage in acute myocardial infarction?. <i>International Immunopharmacology</i> , 2001, 1, 403-414.	1.7	42
66	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, 362-372.	1.8	42
67	IgM colocalises with complement and C reactive protein in infarcted human myocardium. <i>Journal of Clinical Pathology</i> , 2005, 58, 382-388.	1.0	41
68	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, 1407-1418.	2.2	41
69	Plaque Rupture Complications in Murine Atherosclerotic Vein Grafts Can Be Prevented by TIMP-1 Overexpression. <i>PLoS ONE</i> , 2012, 7, e47134.	1.1	41
70	Ischemia induces nuclear NOX2 expression in cardiomyocytes and subsequently activates apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 913-921.	2.2	40
71	Type II secretory phospholipase A <sub>2</sub> binds to ischemic flip-flopped cardiomyocytes and subsequently induces cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2218-H2224.	1.5	39
72	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, 573-577.	1.1	38

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73	Pressure-diameter relationship in the human greater saphenous vein. <i>Annals of Thoracic Surgery</i> , 2003, 76, 1533-1538.	0.7	38
74	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.	0.9	38
75	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, 1033-1040.	1.1	37
76	Intercellular Adhesion Molecule-1 in the Heart. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 573-585.	1.8	35
77	S-Adenosylhomocysteine induces apoptosis and phosphatidylserine exposure in endothelial cells independent of homocysteine. <i>Atherosclerosis</i> , 2012, 221, 48-54.	0.4	34
78	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, 544-551.	0.2	33
79	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.	1.1	33
80	Anti-inflammatory agents and monotherapy protect against DOX-induced cardiotoxicity and accumulation of CML in mice. <i>British Journal of Cancer</i> , 2007, 96, 937-943.	2.9	32
81	N $\beta$ -(Carboxymethyl)lysine depositions in human aortic heart valves: similarities with atherosclerotic blood vessels. <i>Atherosclerosis</i> , 2004, 174, 287-292.	0.4	31
82	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, 753-763.	2.2	31
83	Ventricular myocarditis coincides with atrial myocarditis in patients. <i>Cardiovascular Pathology</i> , 2016, 25, 141-148.	0.7	31
84	Infectious myocarditis: the role of the cardiac vasculature. <i>Heart Failure Reviews</i> , 2018, 23, 583-595.	1.7	31
85	Activated human PMN synthesize and release a strongly fucosylated glycoform of $\beta$ 1-acid glycoprotein, which is transiently deposited in human myocardial infarction. <i>Journal of Leukocyte Biology</i> , 2005, 78, 453-461.	1.5	30
86	Apoptosis in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1387-1388.	2.2	30
87	Inhibition of RhoA/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, 781-790.	0.9	29
88	The role of complement in the acute phase response after burns. <i>Burns</i> , 2017, 43, 1390-1399.	1.1	29
89	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.	1.6	29
90	Inhibition of sPLA2-IIA, C-reactive Protein or Complement: New Therapy for Patients with Acute Myocardial Infarction?. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2006, 6, 111-121.	0.2	29

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91	Release of azurophilic granule contents in fMLP-stimulated neutrophils requires two activation signals, one of which is a rise in cytosolic free Ca <sup>2+</sup> . <i>Cellular Signalling</i> , 1991, 3, 625-633.	1.7	28
92	Atrial Fibrillation Coincides with the Advanced Glycation End Product N <sup>ε</sup> -(Carboxymethyl)Lysine in the Atrium. <i>American Journal of Pathology</i> , 2015, 185, 2096-2104.	1.9	28
93	Myocarditis in patients with subarachnoid hemorrhage: A histopathologic study. <i>Journal of Critical Care</i> , 2016, 32, 196-200.	1.0	28
94	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, 803-810.	1.7	27
95	Hypoxia-inducible factors individually facilitate inflammatory myeloid metabolism and inefficient cardiac repair. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	27
96	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.	1.1	27
97	Increased N <sup>ε</sup> -(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, 655-660.	1.9	26
98	Noncanonical NF- $\kappa$ B signaling in microvessels of atherosclerotic lesions is associated with inflammation, atheromatous plaque morphology and myocardial infarction. <i>Atherosclerosis</i> , 2018, 270, 33-41.	0.4	26
99	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, 212-217.	0.6	25
100	Colchicine aggravates coxsackievirus B3 infection in mice. <i>International Journal of Cardiology</i> , 2016, 216, 58-65.	0.8	25
101	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.	1.5	25
102	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2020, 15, e0232427.	1.1	25
103	Enhanced myofilament responsiveness upon $\beta$ <sup>2</sup> -adrenergic stimulation in post-infarct remodeled myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 487-499.	0.9	24
104	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.	0.3	24
105	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, 722-733.	1.0	23
106	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, 128-135.	1.3	23
107	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, 5240-5257.	0.8	23
108	H9c2 cardiomyoblasts produce thyroid hormone. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C1227-C1233.	2.1	22



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109	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.	5.6	22
110	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.	1.3	22
111	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.	0.8	22
112	Autopsy after transcatheter aortic valve implantation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 331-339.	1.4	21
113	Early NADPH oxidase-2 activation is crucial in phenylephrine-induced hypertrophy of H9c2 cells. <i>Cellular Signalling</i> , 2014, 26, 1818-1824.	1.7	19
114	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.	0.7	18
115	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, 723-729.	1.4	18
116	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, 1252-1259.	1.7	18
117	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.	0.2	18
118	Divergent chemokine receptor expression and the consequence for human IgG4 B cell responses. <i>European Journal of Immunology</i> , 2020, 50, 1113-1125.	1.6	18
119	NOX2, p22 <sup>phox</sup> and p47 <sup>phox</sup> are Targeted to the Nuclear Pore Complex in Ischemic Cardiomyocytes Colocalizing with Local Reactive Oxygen Species. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 471-478.	1.1	17
120	Atrial inflammation in different atrial fibrillation subtypes and its relation with clinical risk factors. <i>Clinical Research in Cardiology</i> , 2020, 109, 1271-1281.	1.5	17
121	Apolipoprotein H, a new mediator in the inflammatory changes ensuing in jeopardised human myocardium. <i>Journal of Clinical Pathology</i> , 2000, 53, 863-867.	1.0	16
122	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.	1.7	16
123	Localisation of C reactive protein in infarcted tissue sites of multiple organs during sepsis. <i>Journal of Clinical Pathology</i> , 2002, 55, 152-153.	1.0	16
124	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.	0.6	15
125	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.	1.1	15
126	Orthopedic surgery increases atherosclerotic lesions and necrotic core area in ApoE <sup>-/-</sup> mice. <i>Atherosclerosis</i> , 2016, 255, 164-170.	0.4	15



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127	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.	0.8	15
128	Surgical sealant in the prevention of early vein graft injury in an ex vivo model. <i>Cardiovascular Pathology</i> , 2003, 12, 202-206.	0.7	14
129	Long-term effects of 7-mono-hydroxyethylrutoside (monoHER) on DOX-induced cardiotoxicity in mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2007, 60, 509-514.	1.1	14
130	Secretory type II phospholipase A2 in culprit coronary lesions is associated with myocardial infarction. <i>European Journal of Clinical Investigation</i> , 2008, 38, 205-210.	1.7	14
131	Mechanical ventilation during experimental sepsis increases deposition of advanced glycation end products and myocardial inflammation. <i>Critical Care</i> , 2009, 13, R87.	2.5	13
132	Initial Characterization of <i>C16orf89</i> , A Novel Thyroid-Specific Gene. <i>Thyroid</i> , 2010, 20, 811-821.	2.4	13
133	Homocysteine-induced cardiomyocyte apoptosis and plasma membrane flip-flop are independent of S-adenosylhomocysteine: a crucial role for nuclear p47phox. <i>Molecular and Cellular Biochemistry</i> , 2011, 358, 229-239.	1.4	13
134	On the value of therapeutic interventions targeting the complement system in acute myocardial infarction. <i>Translational Research</i> , 2017, 182, 103-122.	2.2	13
135	Effects of Diabetes Mellitus, Pressure-Overload and Their Association on Myocardial Structure and Function. <i>American Journal of Hypertension</i> , 2009, 22, 1190-1198.	1.0	12
136	The Basement Membrane of Intramyocardial Capillaries Is Thickened in Patients with Acute Myocardial Infarction. <i>Journal of Vascular Research</i> , 2010, 47, 54-60.	0.6	12
137	Early Myocardial Dysfunction is Not Caused by Mitochondrial Abnormalities in a Rat Model of Peritonitis. <i>Journal of Surgical Research</i> , 2012, 176, 178-184.	0.8	12
138	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.	0.8	12
139	Tracheal Replacement in Rabbits with a New Composite Silicone-Metallic Prosthesis. <i>Asian Cardiovascular and Thoracic Annals</i> , 2003, 11, 245-249.	0.2	11
140	C1-esterase inhibitor protects against early vein graft remodeling under arterial blood pressure. <i>Atherosclerosis</i> , 2012, 220, 86-92.	0.4	11
141	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.	1.5	11
142	Endogenous C1-inhibitor production and expression in the heart after acute myocardial infarction. <i>Cardiovascular Pathology</i> , 2016, 25, 33-39.	0.7	11
143	CD45 is a more sensitive marker than CD3 to diagnose lymphocytic myocarditis in the endomyocardium. <i>Human Pathology</i> , 2017, 62, 83-90.	1.1	11
144	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.	1.1	10

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145	Production of Endothelin-1 and Reduced Blood Flow in the Rat Kidney During Lung-Injurious Mechanical Ventilation. <i>Anesthesia and Analgesia</i> , 2008, 107, 1276-1283.	1.1	10
146	Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor. <i>Journal of Clinical Pathology</i> , 2016, 69, 1093-1099.	1.0	10
147	Sufentanil+medetomidine anaesthesia compared with fentanyl/fluanisone+midazolam is associated with fewer ventricular arrhythmias and death during experimental myocardial infarction in rats and limits infarct size following reperfusion. <i>Laboratory Animals</i> , 2018, 52, 271-279.	0.5	10
148	Insulin Receptor Substrate 2 Controls Insulin-Mediated Vasoreactivity and Perivascular Adipose Tissue Function in Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 245.	1.3	10
149	StemBell therapy stabilizes atherosclerotic plaques after myocardial infarction. <i>Cytotherapy</i> , 2018, 20, 1143-1154.	0.3	10
150	Cardiac inflammation and microvascular procoagulant changes are decreased in second wave compared to first wave deceased COVID-19 patients. <i>International Journal of Cardiology</i> , 2022, 349, 157-165.	0.8	10
151	Role of protein phosphorylation in the degranulation of electropermeabilized human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1223, 267-273.	1.9	9
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157	Liraglutide treatment attenuates inflammation markers in the cardiac, cerebral and renal microvasculature in streptozotocin-induced diabetic rats. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13807.	1.7	9
158	Wistar rats from different suppliers have a different response in an acute myocardial infarction model. <i>Research in Veterinary Science</i> , 2014, 96, 377-379.	0.9	8
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160	Investigating histological aspects of scars in children. <i>Journal of Wound Care</i> , 2017, 26, 256-265.	0.5	8
161	Electrocardiographic changes are strongly correlated with the extent of cardiac inflammation in mice with Coxsackievirus B3-induced viral myocarditis. <i>Cardiovascular Pathology</i> , 2021, 54, 107367.	0.7	8
162	Role of plaque inflammation in acute and recurrent coronary syndromes. <i>Netherlands Heart Journal</i> , 2004, 12, 106-109.	0.3	8

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170	The antiapoptotic protein clusterin protects cardiomyocytes against ischemia-induced cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H3223-H3223.	1.5	5
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172	Pulmonary complement depositions in autopsy of critically ill patients have no relation with ARDS. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 35.	0.9	5
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179	NOX2 Expression Is Increased in Keratinocytes After Burn Injury. <i>Journal of Burn Care and Research</i> , 2020, 41, 427-432.	0.2	4
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190	The histopathological spectrum of myocardial inflammation in relation to circumstance of death: a retrospective cohort study in clinical and forensic autopsies. <i>Forensic Sciences Research</i> , 2022, 7, 238-246.	0.9	3
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200	C-reactive protein and the risk of cardiovascular mortality. <i>American Journal of Medicine</i> , 2003, 114, 241-242.	0.6	1
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206	Letter by Krijnen et al Regarding Article, $\hat{=}$ œThe sPLA 2 Inhibition to Decrease Enzyme Release After Percutaneous Coronary Intervention (SPIDER-PCI) Trial $\hat{=}$ • <i>Circulation</i> , 2011, 124, e298; author reply e299-300.	1.6	0
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