

# Malte Kelm

## List of Publications by Year in descending order

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603  
papers

27,109  
citations

7069

78  
h-index

9073

144  
g-index

624  
all docs

624  
docs citations

624  
times ranked

25629  
citing authors

#	ARTICLE	IF	CITATIONS
1	(-)-Epicatechin mediates beneficial effects of flavanol-rich cocoa on vascular function in humans. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1024-1029.	3.3	924
2	Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. European Heart Journal, 2009, 30, 2769-2812.	1.0	735
3	Impaired Progenitor Cell Activity in Age-Related Endothelial Dysfunction. Journal of the American College of Cardiology, 2005, 45, 1441-1448.	1.2	526
4	Nitric oxide metabolism and breakdown. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 273-289.	0.5	525
5	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. Free Radical Biology and Medicine, 2003, 35, 790-796.	1.3	519
6	Red blood cells express a functional endothelial nitric oxide synthase. Blood, 2006, 107, 2943-2951.	0.6	490
7	Relation of Optimal Lead Positioning as Defined by Three-Dimensional Echocardiography to Long-Term Benefit of Cardiac Resynchronization. American Journal of Cardiology, 2007, 100, 1671-1676.	0.7	488
8	Nitric oxide in myocardial ischemia/reperfusion injury. Cardiovascular Research, 2004, 61, 402-413.	1.8	394
9	Vascular Effects of Cocoa Rich in Flavan-3-ols. JAMA - Journal of the American Medical Association, 2003, 290, 1030-1031.	3.8	383
10	Nitrite reductase activity of myoglobin regulates respiration and cellular viability in myocardial ischemia-reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10256-10261.	3.3	376
11	Nitrite as regulator of hypoxic signaling in mammalian physiology. Medicinal Research Reviews, 2009, 29, 683-741.	5.0	373
12	Concomitant S-nitrosylation and heme-nitrosylation in biological tissues and fluids: implications for the fate of NO in vivo. FASEB Journal, 2002, 16, 1775-1785.	0.2	363
13	Effects of Proprotein Convertase Subtilisin/Kexin Type 9 Antibodies in Adults With Hypercholesterolemia. Annals of Internal Medicine, 2015, 163, 40-51.	2.0	357
14	Quantitative and kinetic characterization of nitric oxide and EDRF released from cultured endothelial cells. Biochemical and Biophysical Research Communications, 1988, 154, 236-244.	1.0	339
15	Plasma nitrite concentrations reflect the degree of endothelial dysfunction in humans. Free Radical Biology and Medicine, 2006, 40, 295-302.	1.3	337
16	Acute Consumption of Flavanol-Rich Cocoa and the Reversal of Endothelial Dysfunction in Smokers. Journal of the American College of Cardiology, 2005, 46, 1276-1283.	1.2	317
17	Erythrocytes are the major intravascular storage sites of nitrite in human blood. Blood, 2005, 106, 734-739.	0.6	312
18	Sustained Benefits in Vascular Function Through Flavanol-Containing Cocoa in Medicated Diabetic Patients. Journal of the American College of Cardiology, 2008, 51, 2141-2149.	1.2	306

#	ARTICLE	IF	CITATIONS
19	Circulating Nitrite Contributes to Cardioprotection by Remote Ischemic Preconditioning. <i>Circulation Research</i> , 2014, 114, 1601-1610.	2.0	295
20	Red Blood Cell Function and Dysfunction: Redox Regulation, Nitric Oxide Metabolism, Anemia. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 718-742.	2.5	291
21	Optimal duration of dual antiplatelet therapy after percutaneous coronary intervention with drug eluting stents: meta-analysis of randomised controlled trials. <i>BMJ, The</i> , 2015, 350, h1618-h1618.	3.0	279
22	Nitrite Reductase Function of Deoxymyoglobin. <i>Circulation Research</i> , 2007, 100, 1749-1754.	2.0	270
23	Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. <i>European Journal of Anaesthesiology</i> , 2010, 27, 92-137.	0.7	263
24	Key bioactive reaction products of the NO/H <sub>2</sub> S interaction are S/N-hybrid species, polysulfides, and nitroxyl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4651-60.	3.3	243
25	Meta-Analysis of Impact of Different Types and Doses of Statins on New-Onset Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2013, 111, 1123-1130.	0.7	239
26	Cocoa polyphenols and inflammatory mediators. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 304S-312S.	2.2	195
27	Sustained Increase in Flow-Mediated Dilation After Daily Intake of High-Flavanol Cocoa Drink Over 1 Week. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 49, 74-80.	0.8	184
28	Concomitant presence of N-nitroso and S-nitroso proteins in human plasma. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1590-1596.	1.3	182
29	Evidence for in vivo transport of bioactive nitric oxide in human plasma. <i>Journal of Clinical Investigation</i> , 2002, 109, 1241-1248.	3.9	174
30	Nitrite Regulates Hypoxic Vasodilation via Myoglobin-Dependent Nitric Oxide Generation. <i>Circulation</i> , 2012, 126, 325-334.	1.6	173
31	Flavanols and cardiovascular disease prevention. <i>European Heart Journal</i> , 2010, 31, 2583-2592.	1.0	167
32	Incidence and clinical outcome of iatrogenic femoral arteriovenous fistulas. <i>Journal of the American College of Cardiology</i> , 2002, 40, 291-297.	1.2	165
33	Plasma Nitrosothiols Contribute to the Systemic Vasodilator Effects of Intravenously Applied NO. <i>Circulation Research</i> , 2002, 91, 470-477.	2.0	162
34	Biotransformation of organic nitrates to nitric oxide by vascular smooth muscle and endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1991, 180, 286-293.	1.0	151
35	Human red blood cells at work: identification and visualization of erythrocytic eNOS activity in health and disease. <i>Blood</i> , 2012, 120, 4229-4237.	0.6	151
36	Impact of left ventricular lead position in cardiac resynchronization therapy on left ventricular remodelling. A circumferential strain analysis based on 2D echocardiography. <i>European Heart Journal</i> , 2007, 28, 1211-1220.	1.0	149

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37	Central Role of eNOS in the Maintenance of Endothelial Homeostasis. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1230-1242.	2.5	148
38	NO adducts in mammalian red blood cells: too much or too little?. <i>Nature Medicine</i> , 2003, 9, 481-482.	15.2	147
39	Circulating no pool: assessment of nitrite and nitroso species in blood and tissues. <i>Free Radical Biology and Medicine</i> , 2004, 36, 413-422.	1.3	145
40	The significance of vasodilator-stimulated phosphoprotein for risk stratification of stent thrombosis. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1329-1334.	1.8	144
41	Endothelial nitric oxide synthase in red blood cells: Key to a new erythrocrine function?. <i>Redox Biology</i> , 2014, 2, 251-258.	3.9	142
42	The Nitric Oxide/Superoxide Assay. <i>Journal of Biological Chemistry</i> , 1997, 272, 9922-9932.	1.6	140
43	Endogenous Nitric Oxide and Myocardial Adaptation to Ischemia. <i>Circulation Research</i> , 2000, 87, 146-152.	2.0	137
44	Nitric oxide release from the isolated guinea pig heart. <i>European Journal of Pharmacology</i> , 1988, 155, 317-321.	1.7	136
45	Whole Body UVA Irradiation Lowers Systemic Blood Pressure by Release of Nitric Oxide From Intracutaneous Photolabile Nitric Oxide Derivates. <i>Circulation Research</i> , 2009, 105, 1031-1040.	2.0	135
46	Cocoa flavanol intake improves endothelial function and Framingham Risk Score in healthy men and women: a randomised, controlled, double-masked trial: the Flaviola Health Study. <i>British Journal of Nutrition</i> , 2015, 114, 1246-1255.	1.2	135
47	Nitrosopersulfide (SSNO <sup>•-</sup> ) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. <i>Redox Biology</i> , 2014, 2, 234-244.	3.9	133
48	Hypoxia Impairs Systemic Endothelial Function in Individuals Prone to High-Altitude Pulmonary Edema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 763-767.	2.5	132
49	Dietary Nitrate Reverses Vascular Dysfunction in Older Adults With Moderately Increased Cardiovascular Risk. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1584-1585.	1.2	130
50	Advanced speckle tracking echocardiography allowing a three-myocardial layer-specific analysis of deformation parameters. <i>European Journal of Echocardiography</i> , 2008, 10, 303-308.	2.3	121
51	Plasma Nitroso Compounds Are Decreased in Patients With Endothelial Dysfunction. <i>Journal of the American College of Cardiology</i> , 2006, 47, 573-579.	1.2	117
52	Impact of infarct transmuralty on layer-specific impairment of myocardial function: a myocardial deformation imaging study. <i>European Heart Journal</i> , 2009, 30, 1467-1476.	1.0	107
53	The impact of frailty on survival in elderly intensive care patients with COVID-19: the COVIP study. <i>Critical Care</i> , 2021, 25, 149.	2.5	107
54	Transplantation of endothelial progenitor cells improves neovascularization and left ventricular function after myocardial infarction in a rat model. <i>Basic Research in Cardiology</i> , 2008, 103, 69-77.	2.5	106

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55	Circulating Blood Endothelial Nitric Oxide Synthase Contributes to the Regulation of Systemic Blood Pressure and Nitrite Homeostasis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1861-1871.	1.1	105
56	Enzyme-independent nitric oxide formation during UVA challenge of human skin: characterization, molecular sources, and mechanisms. <i>Free Radical Biology and Medicine</i> , 2005, 38, 606-615.	1.3	104
57	Impact of cocoa flavanol intake on age-dependent vascular stiffness in healthy men: a randomized, controlled, double-masked trial. <i>Age</i> , 2015, 37, 9794.	3.0	104
58	Prognostic relevance of serum lactate kinetics in critically ill patients. <i>Intensive Care Medicine</i> , 2019, 45, 55-61.	3.9	103
59	Hemodialysis-Induced Release of Hemoglobin Limits Nitric Oxide Bioavailability and Impairs Vascular Function. <i>Journal of the American College of Cardiology</i> , 2010, 55, 454-459.	1.2	98
60	Dietary Nitrate Supplementation Improves Revascularization in Chronic Ischemia. <i>Circulation</i> , 2012, 126, 1983-1992.	1.6	97
61	Positive effects of nitric oxide on left ventricular function in humans. <i>European Heart Journal</i> , 2006, 27, 1699-1705.	1.0	96
62	Assessment of the dietary intake of total flavan-3-ols, monomeric flavan-3-ols, proanthocyanidins and theaflavins in the European Union. <i>British Journal of Nutrition</i> , 2014, 111, 1463-1473.	1.2	96
63	On the chemical biology of the nitrite/sulfide interaction. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 14-24.	1.2	96
64	Evidence for in vivo transport of bioactive nitric oxide in human plasma. <i>Journal of Clinical Investigation</i> , 2002, 109, 1241-1248.	3.9	96
65	Griess method for nitrite measurement of aqueous and protein-containing samples. <i>Methods in Enzymology</i> , 2002, 359, 158-168.	0.4	91
66	Nitric oxide synthase-derived plasma nitrite predicts exercise capacity. <i>British Journal of Sports Medicine</i> , 2007, 41, 669-673.	3.1	89
67	Recent methodological advances in the analysis of nitrite in the human circulation: Nitrite as a biochemical parameter of the L-arginine/NO pathway. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 851, 106-123.	1.2	88
68	Gene expression analysis of human red blood cells. <i>International Journal of Medical Sciences</i> , 2009, 6, 156-159.	1.1	88
69	First-generation versus second-generation drug-eluting stents in current clinical practice: updated evidence from a comprehensive meta-analysis of randomised clinical trials comprising 31â€¦379 patients. <i>Open Heart</i> , 2014, 1, e000064.	0.9	88
70	Rivaroxaban Reduces Arterial Thrombosis by Inhibition of FXa-Driven Platelet Activation via Protease Activated Receptor-1. <i>Circulation Research</i> , 2020, 126, 486-500.	2.0	87
71	RBC NOS: regulatory mechanisms and therapeutic aspects. <i>Trends in Molecular Medicine</i> , 2008, 14, 314-322.	3.5	86
72	Methylxanthines enhance the effects of cocoa flavanols on cardiovascular function: randomized, double-masked controlled studies. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 352-360.	2.2	86

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73	Myocardial Deformation Imaging Based on Ultrasonic Pixel Tracking to Identify Reversible Myocardial Dysfunction. <i>Journal of the American College of Cardiology</i> , 2008, 51, 1473-1481.	1.2	85
74	Left ventricular diastolic dysfunction in Nrf2 knock out mice is associated with cardiac hypertrophy, decreased expression of SERCA2a, and preserved endothelial function. <i>Free Radical Biology and Medicine</i> , 2015, 89, 906-917.	1.3	85
75	Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. <i>Circulation</i> , 2021, 144, 870-889.	1.6	85
76	Nitric oxide differentially regulates proliferation and mobilization of endothelial progenitor cells but not of hematopoietic stem cells. <i>Thrombosis and Haemostasis</i> , 2005, 94, 770-2.	1.8	84
77	Cardioprotection Through <i>S</i> -Nitrosylation of Macrophage Migration Inhibitory Factor. <i>Circulation</i> , 2012, 125, 1880-1889.	1.6	84
78	Impact of Left Ventricular Loading Conditions on Myocardial Deformation Parameters: Analysis of Early and Late Changes of Myocardial Deformation Parameters after Aortic Valve Replacement. <i>Journal of the American Society of Echocardiography</i> , 2007, 20, 681-689.	1.2	82
79	Flow-mediated dilatation in human circulation: diagnostic and therapeutic aspects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1-H5.	1.5	81
80	Blood Urea Nitrogen (BUN) is independently associated with mortality in critically ill patients admitted to ICU. <i>PLoS ONE</i> , 2018, 13, e0191697.	1.1	81
81	Meta-Analysis of Time-Related Benefits of Statin Therapy in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2014, 113, 1753-1764.	0.7	80
82	On the Effects of Reactive Oxygen Species and Nitric Oxide on Red Blood Cell Deformability. <i>Frontiers in Physiology</i> , 2018, 9, 332.	1.3	80
83	Age-dependent endothelial dysfunction is associated with failure to increase plasma nitrite in response to exercise. <i>Basic Research in Cardiology</i> , 2008, 103, 291-297.	2.5	79
84	Plasma nitrite reserve and endothelial function in the human forearm circulation. <i>Free Radical Biology and Medicine</i> , 2006, 41, 295-301.	1.3	77
85	Myocardial T2 mapping reveals age- and sex-related differences in volunteers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 9.	1.6	77
86	Platelet-RBC interaction mediated by FasL/FasR induces procoagulant activity important for thrombosis. <i>Journal of Clinical Investigation</i> , 2018, 128, 3906-3925.	3.9	77
87	Impaired endothelial progenitor cell function predicts age-dependent carotid intimal thickening. <i>Basic Research in Cardiology</i> , 2008, 103, 582-586.	2.5	76
88	Peritoneal dialysis relieves clinical symptoms and is well tolerated in patients with refractory heart failure and chronic kidney disease. <i>European Journal of Heart Failure</i> , 2012, 14, 530-539.	2.9	75
89	Real-time transesophageal three-dimensional echocardiography for guidance of percutaneous cardiac interventions: first experience. <i>Clinical Research in Cardiology</i> , 2008, 97, 565-574.	1.5	73
90	Abnormal T2 mapping cardiovascular magnetic resonance correlates with adverse clinical outcome in patients with suspected acute myocarditis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 38.	1.6	73

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91	Nitric oxide induced contractile dysfunction is related to a reduction in myocardial energy generation. <i>Cardiovascular Research</i> , 1997, 36, 184-194.	1.8	70
92	Incidence and Predictors of Target Vessel Revascularization and Clinical Event Rates of the Sirolimus-Eluting Coronary Stent (Results from the Prospective Multicenter German Cypher Stent) <i>Tj ETQq0 0 0 rg81.7/Overlook 10 Tf 50</i>	1.1	69
93	The angiotensinâ€“calcineurinâ€“NFAT pathway mediates stretch-induced up-regulation of matrix metalloproteinases-2/-9 in atrial myocytes. <i>Basic Research in Cardiology</i> , 2009, 104, 435-448.	2.5	69
94	Comprehensive Meta-Analysis of Safety and Efficacy of Bivalirudin Versus Heparin With or Without Routine Glycoprotein IIb/IIIa Inhibitors in Patients With Acuteâ€“Coronary Syndrome. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 201-213.	1.1	69
95	Real-time three-dimensional transoesophageal echocardiography for guidance of non-coronary interventions in the catheter laboratory. <i>European Journal of Echocardiography</i> , 2009, 10, 341-349.	2.3	68
96	Dietary inorganic nitrate mobilizes circulating angiogenic cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1767-1772.	1.3	67
97	Interactions between cocoa flavanols and inorganic nitrate: Additive effects on endothelial function at achievable dietary amounts. <i>Free Radical Biology and Medicine</i> , 2015, 80, 121-128.	1.3	65
98	Recommending flavanols and procyanidins for cardiovascular health: Revisited. <i>Molecular Aspects of Medicine</i> , 2018, 61, 63-75.	2.7	64
99	Association of fetuin-A levels with the progression of aortic valve calcification in non-dialyzed patients. <i>European Heart Journal</i> , 2009, 30, 2054-2061.	1.0	63
100	Layer-specific analysis of myocardial deformation for assessment of infarct transmuralty: comparison of strain-encoded cardiovascular magnetic resonance with 2D speckle tracking echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 570-578.	0.5	63
101	A Suprainstitutional Network for Remoteâ€“Extracorporeal Life Support. <i>JACC: Heart Failure</i> , 2016, 4, 698-708.	1.9	62
102	The Latest Evolution of the Medtronicâ€“CoreValve System in the Era of Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2314-2322.	1.1	60
103	Performance of a convolutional neural network derived from an ECG database in recognizing myocardial infarction. <i>Scientific Reports</i> , 2020, 10, 8445.	1.6	60
104	Identification of a soluble guanylate cyclase in RBCs: preserved activity in patients with coronary artery disease. <i>Redox Biology</i> , 2018, 14, 328-337.	3.9	59
105	Evidence for a Multifactorial Process Involved in the Impaired Flow Response to Nitric Oxide in Hypertensive Patients With Endothelial Dysfunction. <i>Hypertension</i> , 1996, 27, 346-353.	1.3	59
106	Determination of nitric oxide in human blood by combination of a specific sample preparation with high-performance anion-exchange chromatography and electrochemical detection. <i>Biomedical Applications</i> , 1996, 685, 348-352.	1.7	58
107	Decreased Plasminogen Activator Inhibitor and Tissue Metalloproteinase Inhibitor Expression May Promote Increased Metalloproteinase Activity with Increasing Duration of Human Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2007, 18, 1076-1082.	0.8	57
108	Thiols enhance NO formation from nitrate photolysis. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1551-1559.	1.3	56

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109	Endothelial Function, Nitric Oxide, and Cocoa Flavanols. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, S128-S135.	0.8	56
110	Blockade of atrial-specific K <sup>+</sup> -currents increases atrial but not ventricular contractility by enhancing reverse mode Na <sup>+</sup> /Ca <sup>2+</sup> -exchange. <i>Cardiovascular Research</i> , 2007, 73, 37-47.	1.8	56
111	Inducible Nitric Oxide Synthase Expression and Cardiomyocyte Dysfunction During Sustained Moderate Ischemia in Pigs. <i>Circulation Research</i> , 2008, 103, 1120-1127.	2.0	56
112	Circulating Microparticles Carry a Functional Endothelial Nitric Oxide Synthase That Is Decreased in Patients With Endothelial Dysfunction. <i>Journal of the American Heart Association</i> , 2013, 2, e003764.	1.6	56
113	Interleukin-6-dependent phenotypic modulation of cardiac fibroblasts after acute myocardial infarction. <i>Basic Research in Cardiology</i> , 2014, 109, 440.	2.5	56
114	Macrovascular and microvascular function after implantation of left ventricular assist devices in end-stage heart failure: Role of microparticles. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 921-932.	0.3	56
115	MDCT Detection of Mitral Valve Calcification: Prevalence and Clinical Relevance Compared with Echocardiography. <i>American Journal of Roentgenology</i> , 2007, 188, 1264-1269.	1.0	55
116	Role of Nitric Oxide in the Regulation of Coronary Vascular Tone in Hearts From Hypertensive Rats. <i>Hypertension</i> , 1995, 25, 186-193.	1.3	55
117	Augmentation of Left Ventricular Contractility by Cardiac Sympathetic Neural Stimulation. <i>Circulation</i> , 2010, 121, 1286-1294.	1.6	54
118	Clinical Frailty Scale (CFS) reliably stratifies octogenarians in German ICUs: a multicentre prospective cohort study. <i>BMC Geriatrics</i> , 2018, 18, 162.	1.1	54
119	Recovery of neutrophil apoptosis by ectoine: a new strategy against lung inflammation. <i>European Respiratory Journal</i> , 2013, 41, 433-442.	3.1	53
120	The Lactate/Albumin Ratio: A Valuable Tool for Risk Stratification in Septic Patients Admitted to ICU. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1893.	1.8	53
121	Myoglobin functions in the heart. <i>Free Radical Biology and Medicine</i> , 2014, 73, 252-259.	1.3	52
122	Left atrial appendage morphology is closely associated with specific echocardiographic flow pattern in patients with atrial fibrillation. <i>Europace</i> , 2015, 17, 539-545.	0.7	52
123	IL-1 family cytokines in cardiovascular disease. <i>Cytokine</i> , 2019, 122, 154215.	1.4	52
124	Vascular Dysfunction of Brachial Artery After Transradial Access for Coronary Catheterization. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 1067-1073.	1.1	51
125	Valve-in-Valve Implantation of Medtronic CoreValve Prosthesis in Patients with Failing Bioprosthetic Aortic Valves. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 689-697.	1.4	51
126	Initial clinical experience using the EchoNavigator <sup>®</sup> -system during structural heart disease interventions. <i>World Journal of Cardiology</i> , 2015, 7, 562.	0.5	51



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127	Dietary flavanol intervention lowers the levels of endothelial microparticles in coronary artery disease patients. <i>British Journal of Nutrition</i> , 2014, 111, 1245-1252.	1.2	50
128	Measurement of Endothelium-Dependent Vasodilation in Mice—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2651-2657.	1.1	50
129	High-Dose Menaquinone-7 Supplementation Reduces Cardiovascular Calcification in a Murine Model of Extrasosseous Calcification. <i>Nutrients</i> , 2015, 7, 6991-7011.	1.7	50
130	Assessing the coronary circulation in hypertension. <i>Journal of Hypertension</i> , 1998, 16, 1221-1233.	0.3	49
131	Higher endogenous nitrite levels are associated with superior exercise capacity in highly trained athletes. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 75-81.	1.2	49
132	Influence of age on the absorption, metabolism, and excretion of cocoa flavanols in healthy subjects. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1504-1512.	1.5	49
133	Microdialysis-based analysis of interstitial NO in situ: NO synthase-independent NO formation during myocardial ischemia†. <i>Cardiovascular Research</i> , 2007, 74, 46-55.	1.8	47
134	Impact of the Metabolic Syndrome on Angiographic and Clinical Events After Coronary Intervention Using Bare-Metal or Sirolimus-Eluting Stents. <i>American Journal of Cardiology</i> , 2007, 100, 1347-1352.	0.7	47
135	Regulation of nerve growth factor in the heart: The role of the calcineurin—NFAT pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 568-578.	0.9	47
136	Dual atrioventricular nodal non-re-entrant tachycardia. <i>Europace</i> , 2016, 18, 332-339.	0.7	47
137	Cardiac Hyaluronan Synthesis Is Critically Involved in the Cardiac Macrophage Response and Promotes Healing After Ischemia Reperfusion Injury. <i>Circulation Research</i> , 2019, 124, 1433-1447.	2.0	47
138	Association of echocardiographic atrial size and atrial fibrosis in a sequential model of congestive heart failure and atrial fibrillation. <i>Cardiovascular Pathology</i> , 2008, 17, 318-324.	0.7	46
139	Vasculoprotective Effects of Dietary Cocoa Flavanols in Patients on Hemodialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 108-118.	2.2	46
140	Plasma sphingosine-1-phosphate concentrations are associated with systolic heart failure in patients with ischemic heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 110, 35-37.	0.9	46
141	Assessing the respective contributions of dietary flavanol monomers and procyanidins in mediating cardiovascular effects in humans: randomized, controlled, double-masked intervention trial. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 1229-1237.	2.2	46
142	Left Atrial Appendage Closure Guided by Integrated Echocardiography and Fluoroscopy Imaging Reduces Radiation Exposure. <i>PLoS ONE</i> , 2015, 10, e0140386.	1.1	46
143	Neurofilament light chain as an early and sensitive predictor of long-term neurological outcome in patients after cardiac arrest. <i>International Journal of Cardiology</i> , 2013, 168, 1322-1327.	0.8	45
144	Depletion of circulating blood NOS3 increases severity of myocardial infarction and left ventricular dysfunction. <i>Basic Research in Cardiology</i> , 2014, 109, 398.	2.5	44

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145	Navigating the "Optimal Implantation Depth" With a Self-Expandable TAVR Device" Daily Clinical Practice. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 679-688.	1.1	44
146	Steroid use in elderly critically ill COVID-19 patients. <i>European Respiratory Journal</i> , 2021, 58, 2100979.	3.1	44
147	Desferoxamine and ethyl-3,4-dihydroxybenzoate protect myocardium by activating NOS and generating mitochondrial ROS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H450-H457.	1.5	43
148	A multilevel analytical approach for detection and visualization of intracellular NO production and nitrosation events using diamino fluoresceins. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2146-2158.	1.3	43
149	Dipyron (Metamizole) Can Nullify the "Antiplatelet" Effect of Aspirin in Patients "With" Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1725-1726.	1.2	43
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