Amir Lerman

List of Publications by Year
in descending order

389 papers	29,267 citations	9786 73 h-index	6131 159 g-index
397 all docs	397 docs citations	397 times ranked	27582 citing authors

#	Article	IF	Citations
1	Endothelial Dysfunction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 168-175.	2.4	1,939
2	Long-Term Follow-Up of Patients With Mild Coronary Artery Disease and Endothelial Dysfunction. Circulation, 2000, 101, 948-954.	1.6	1,898
3	Endothelial Function. Circulation, 2005, 111, 363-368.	1.6	994
4	The Assessment of Endothelial Function. Circulation, 2012, 126, 753-767.	1.6	952
5	Circulating and Tissue Endothelin Immunoreactivity in Advanced Atherosclerosis. New England Journal of Medicine, 1991, 325, 997-1001.	27.0	930
6	Noninvasive identification of patients with early coronary atherosclerosis by assessment of digital reactive hyperemia. Journal of the American College of Cardiology, 2004, 44, 2137-2141.	2.8	855
7	Clinical Features, Management, and Prognosis of Spontaneous Coronary Artery Dissection. Circulation, 2012, 126, 579-588.	1.6	738
8	The Mediterranean Diet, its Components, and Cardiovascular Disease. American Journal of Medicine, 2015, 128, 229-238.	1.5	629
9	Global Cardiovascular Reserve Dysfunction in Heart Failure With Preserved Ejection Fraction. Journal of the American College of Cardiology, 2010, 56, 845-854.	2.8	606
10	Assessment of endothelial function by non-invasive peripheral arterial tonometry predicts late cardiovascular adverse events. European Heart Journal, 2010, 31, 1142-1148.	2.2	605
11	Contemporary Diagnosis and Management of Patients With Myocardial Infarction in the Absence of Obstructive Coronary Artery Disease: A Scientific Statement From the American Heart Association. Circulation, 2019, 139, e891-e908.	1.6	519
12	Spontaneous Coronary Artery Dissection. Circulation: Cardiovascular Interventions, 2014, 7, 777-786.	3.9	488
13	Long-term <scp>l</scp> -Arginine Supplementation Improves Small-Vessel Coronary Endothelial Function in Humans. Circulation, 1998, 97, 2123-2128.	1.6	401
14	Prognostic Value of Flowâ€Mediated Vasodilation in Brachial Artery and Fingertip Artery for Cardiovascular Events: A Systematic Review and Metaâ€Analysis. Journal of the American Heart Association, 2015, 4, .	3.7	391
15	Enhanced external counterpulsation improves endothelial function in patients with symptomatic coronary artery disease. Journal of the American College of Cardiology, 2003, 41, 1761-1768.	2.8	363
16	Prevalence of Coronary Microvascular Dysfunction Among Patients With ChestÂPain and Nonobstructive CoronaryÂArtery Disease. JACC: Cardiovascular Interventions, 2015, 8, 1445-1453.	2.9	356
17	Coronary Endothelial Dysfunction in Humans Is Associated With Myocardial Perfusion Defects. Circulation, 1997, 96, 3390-3395.	1.6	317
18	Evaluation and Management of Patients With Heart Disease and Cancer: Cardio-Oncology. Mayo Clinic Proceedings, 2014, 89, 1287-1306.	3.0	315

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19	Coronary microvascular obstruction in acute myocardial infarction. European Heart Journal, 2016, 37, 1024-1033.	2.2	313
20	Endothelin in Coronary Endothelial Dysfunction and Early Atherosclerosis in Humans. Circulation, 1995, 92, 2426-2431.	1.6	302
21	Digital Health Interventions for the Prevention of Cardiovascular Disease: A Systematic Review and Meta-analysis. Mayo Clinic Proceedings, 2015, 90, 469-480.	3.0	293
22	Coronary Endothelial Dysfunction Is Associated With an Increased Risk of Cerebrovascular Events. Circulation, 2003, 107, 2805-2809.	1.6	262
23	Contemporary carotid imaging: from degree of stenosis to plaque vulnerability. Journal of Neurosurgery, 2016, 124, 27-42.	1.6	260
24	Effect of Genotype-Guided Oral P2Y12 Inhibitor Selection vs Conventional Clopidogrel Therapy on Ischemic Outcomes After Percutaneous Coronary Intervention. JAMA - Journal of the American Medical Association, 2020, 324, 761.	7.4	257
25	Tissue characterisation using intravascular radiofrequency data analysis: recommendations for acquisition, analysis, interpretation and reporting. EuroIntervention, 2009, 5, 177-189.	3.2	252
26	Endothelial dysfunction over the course of coronary artery disease. European Heart Journal, 2013, 34, 3175-3181.	2.2	251
27	Coronary Artery Tortuosity in Spontaneous Coronary Artery Dissection. Circulation: Cardiovascular Interventions, 2014, 7, 656-662.	3.9	246
28	Distinct Renal Injury in Early Atherosclerosis and Renovascular Disease. Circulation, 2002, 106, 1165-1171.	1.6	235
29	Glycolytic Stimulation Is Not a Requirement for M2 Macrophage Differentiation. Cell Metabolism, 2018, 28, 463-475.e4.	16.2	230
30	Adipose Tissueâ€Derived Mesenchymal Stem Cells Improve Revascularization Outcomes to Restore Renal Function in Swine Atherosclerotic Renal Artery Stenosis. Stem Cells, 2012, 30, 1030-1041.	3.2	215
31	Endothelial dysfunction and cardiovascular disease. Global Cardiology Science & Practice, 2014, 2014, 43.	0.4	199
32	Coronary microvascular dysfunction in the clinical setting: from mystery to reality. European Heart Journal, 2012, 33, 2771-2783.	2.2	191
33	Endothelial dysfunction and coronary artery disease. Coronary Artery Disease, 2014, 25, 713-724.	0.7	184
34	Attenuated coronary flow reserve and vascular remodeling in patients with hypertension and left ventricular hypertrophy. Journal of the American College of Cardiology, 2000, 35, 1654-1660.	2.8	177
35	Safety of Coronary Reactivity Testing in Women With No Obstructive Coronary Artery Disease. JACC: Cardiovascular Interventions, 2012, 5, 646-653.	2.9	177
36	Prospective Assessment of the DiagnosticÂAccuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance. JACC: Cardiovascular Interventions, 2015, 8, 824-833.	2.9	172

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37	Autologous Culture-Modified Mononuclear Cells Confer Vascular Protection After Arterial Injury. Circulation, 2003, 108, 1520-1526.	1.6	168
38	Conversion to Sirolimus as Primary Immunosuppression Attenuates the Progression of Allograft Vasculopathy After Cardiac Transplantation. Circulation, 2007, 116, 2726-2733.	1.6	162
39	Acute Myocardial Infarction in Young Individuals. Mayo Clinic Proceedings, 2020, 95, 136-156.	3.0	161
40	Cardiorheumatology: cardiac involvement in systemic rheumatic disease. Nature Reviews Cardiology, 2015, 12, 168-176.	13.7	158
41	Enhanced Expression of Lp-PLA ₂ and Lysophosphatidylcholine in Symptomatic Carotid Atherosclerotic Plaques. Stroke, 2008, 39, 1448-1455.	2.0	156
42	Osteocalcin Expression by Circulating Endothelial Progenitor Cells in Patients With Coronary Atherosclerosis. Journal of the American College of Cardiology, 2008, 52, 1314-1325.	2.8	155
43	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress. Cardiovascular Research, 2010, 88, 360-366.	3.8	148
44	Microcirculatory dysfunction in ST-elevation myocardial infarction: cause, consequence, or both?. European Heart Journal, 2007, 28, 788-797.	2.2	146
45	Cortical Microvascular Remodeling in the Stenotic Kidney. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1854-1859.	2.4	141
46	Acute Cellular Rejection and the Subsequent Development of Allograft Vasculopathy After Cardiac Transplantation. Journal of Heart and Lung Transplantation, 2009, 28, 320-327.	0.6	141
47	Clopidogrel Pharmacogenetics. Circulation: Cardiovascular Interventions, 2019, 12, e007811.	3.9	139
48	Endothelial Function and Vascular Response to Mental Stress Are Impaired in Patients With Apical Ballooning Syndrome. Journal of the American College of Cardiology, 2010, 56, 1840-1846.	2.8	137
49	Trends in Characteristics and Outcomes of Hospital Inpatients Undergoing Coronary Revascularization in the United States, 2003-2016. JAMA Network Open, 2020, 3, e1921326.	5.9	136
50	Bioprinting a cardiac valve. Biotechnology Advances, 2015, 33, 1503-1521.	11.7	134
51	Long-Term Administration of Endothelin Receptor Antagonist Improves Coronary Endothelial Function in Patients With Early Atherosclerosis. Circulation, 2010, 122, 958-966.	1.6	133
52	Mesenchymal Stem Cells and Endothelial Progenitor Cells Decrease Renal Injury in Experimental Swine Renal Artery Stenosis Through Different Mechanisms. Stem Cells, 2013, 31, 117-125.	3.2	133
53	Artificial Intelligence in Cardiology: Present and Future. Mayo Clinic Proceedings, 2020, 95, 1015-1039.	3.0	127
54	Association Between Workâ€Related Stress and Coronary Heart Disease: A Review of Prospective Studies Through the Job Strain, Effortâ€Reward Balance, and Organizational Justice Models. Journal of the American Heart Association, 2018, 7, .	3.7	125

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55	Abnormal Coronary Flow Velocity Reserve After Coronary Intervention Is Associated With Cardiac Marker Elevation. Circulation, 2001, 103, 2339-2345.	1.6	123
56	Digital health intervention during cardiac rehabilitation: A randomized controlled trial. American Heart Journal, 2017, 188, 65-72.	2.7	123
57	Effects of statins on coronary and peripheral endothelial function in humans: a systematic review and meta-analysis of randomized controlled trials. European Journal of Cardiovascular Prevention and Rehabilitation, 2011, 18, 704-716.	2.8	110
58	Antiphospholipid Syndrome. Journal of the American College of Cardiology, 2017, 69, 2317-2330.	2.8	109
59	Local Low Shear Stress and EndothelialÂDysfunction in Patients With NonobstructiveÂCoronaryÂAtherosclerosis. Journal of the American College of Cardiology, 2018, 71, 2092-2102.	2.8	106
60	Sirolimus as Primary Immunosuppression Attenuates Allograft Vasculopathy With Improved Late Survival and Decreased Cardiac Events After Cardiac Transplantation. Circulation, 2012, 125, 708-720.	1.6	105
61	Vulnerable plaques and patients: state-of-the-art. European Heart Journal, 2020, 41, 2997-3004.	2.2	98
62	Endotheliumâ€dependent and independent coronary microvascular dysfunction in patients with heart failure with preserved ejection fraction. European Journal of Heart Failure, 2020, 22, 432-441.	7.1	92
63	Effect of CYP2C19 Genotype on IschemicÂOutcomes During OralÂP2Y12ÂInhibitor Therapy. JACC: Cardiovascular Interventions, 2021, 14, 739-750.	2.9	90
64	Inflammatory and injury signals released from the post-stenotic human kidney. European Heart Journal, 2013, 34, 540-548.	2.2	88
65	Early Natural History of Spontaneous Coronary Artery Dissection. Circulation: Cardiovascular Interventions, 2018, 11, e006772.	3.9	83
66	Impaired coronary microvascular reactivity in women with apical ballooning syndrome (Takotsubo/stress cardiomyopathy). European Heart Journal: Acute Cardiovascular Care, 2013, 2, 147-152.	1.0	82
67	Long-Term Sirolimus for PrimaryÂImmunosuppression in HeartÂTransplantÂRecipients. Journal of the American College of Cardiology, 2018, 71, 636-650.	2.8	81
68	Coronary endothelial dysfunction in patients with early coronary artery disease is associated with the increase in intravascular lipid core plaqueâ€. European Heart Journal, 2013, 34, 2047-2054.	2.2	80
69	Myocardial bridging is associated with alteration in coronary vasoreactivity. European Heart Journal, 2004, 25, 2134-2142.	2.2	78
70	Lack of Correlation Between Noninvasive Stress Tests and Invasive Coronary Vasomotor Dysfunction in Patients With Nonobstructive Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2009, 2, 237-244.	3.9	78
71	Coronary Endothelial Dysfunction Is Associated With Inflammation and Vasa Vasorum Proliferation in Patients With Early Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2473-2477.	2.4	78
72	Persistent kidney dysfunction in swine renal artery stenosis correlates with outer cortical microvascular remodeling. American Journal of Physiology - Renal Physiology, 2011, 300, F1394-F1401.	2.7	77

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73	Incidence, Trends, and Outcomes of Type 2 Myocardial Infarction in a Community Cohort. Circulation, 2020, 141, 454-463.	1.6	77
74	Segmental Heterogeneity of Vasa Vasorum Neovascularization in Human Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2010, 3, 32-40.	5.3	76
75	Digital Health Intervention as an Adjunct to Cardiac Rehabilitation Reduces Cardiovascular Risk Factors and Rehospitalizations. Journal of Cardiovascular Translational Research, 2015, 8, 283-292.	2.4	76
76	Uric Acid Is Associated With Inflammation, Coronary Microvascular Dysfunction, and Adverse Outcomes in Postmenopausal Women. Hypertension, 2017, 69, 236-242.	2.7	76
77	Coronary microcirculatory vasodilator function in relation to risk factors among patients without obstructive coronary disease and low to intermediate Framingham score. European Heart Journal, 2010, 31, 936-942.	2.2	75
78	Mesenchymal Stem Cell-Derived Extracellular Vesicles Improve the Renal Microvasculature in Metabolic Renovascular Disease in Swine. Cell Transplantation, 2018, 27, 1080-1095.	2.5	75
79	Prevalence of Coronary Blood Flow Reserve Abnormalities Among Patients With Nonobstructive Coronary Artery Disease and Chest Pain. Mayo Clinic Proceedings, 1998, 73, 1133-1140.	3.0	74
80	Assessment and pathophysiology of microvascular disease: recent progress and clinical implications. European Heart Journal, 2021, 42, 2590-2604.	2.2	74
81	Cardiogenic Shock in TakotsuboÂCardiomyopathy VersusÂAcuteÂMyocardial Infarction. JACC: Heart Failure, 2019, 7, 469-476.	4.1	72
82	The endothelium: Dysfunction and beyond. Journal of Nuclear Cardiology, 2001, 8, 197-206.	2.1	71
83	Osteocalcin positive CD133+/CD34-/KDR+ progenitor cells as an independent marker for unstable atherosclerosis. European Heart Journal, 2012, 33, 2963-2969.	2.2	71
84	Takotsubo syndrome: State-of-the-art review by an expert panel â€“ Part 1. Cardiovascular Revascularization Medicine, 2019, 20, 70-79.	0.8	71
85	Antioxidant Intervention Prevents Renal Neovascularization in Hypercholesterolemic Pigs. Journal of the American Society of Nephrology: JASN, 2004, 15, 1816-1825.	6.1	70
86	Coronary artery disease is associated with an altered gut microbiome composition. PLoS ONE, 2020, 15, e0227147.	2.5	70
87	Coronary endothelial dysfunction in humans is associated with coronary retention of osteogenic endothelial progenitor cells. European Heart Journal, 2010, 31, 2909-2914.	2.2	69
88	Urinary Mitochondrial DNA Copy Number Identifies Chronic Renal Injury in Hypertensive Patients. Hypertension, 2016, 68, 401-410.	2.7	69
89	Association of Angiotensin-Converting Enzyme Inhibitors and Serum Lipids With Plaque Regression in Cardiac Allograft Vasculopathy. Transplantation, 2006, 82, 1108-1111.	1.0	66
90	Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia. Circulation, 2000, 102, 2028-2030.	1.6	64

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91	Oxidation-Sensitive Transcription Factors and Molecular Mechanisms in the Arterial Wall. Antioxidants and Redox Signaling, 2001, 3, 1119-1130.	5.4	64
92	Enhanced renal cortical vascularization in experimental hypercholesterolemia. Kidney International, 2002, 61, 1056-1063.	5.2	64
93	Role of Circulating Osteogenic Progenitor Cells in Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2012, 60, 1945-1953.	2.8	64
94	Long-term endothelin receptor antagonism attenuates coronary plaque progression in patients with early atherosclerosis. International Journal of Cardiology, 2013, 168, 1316-1321.	1.7	63
95	Natural history and predictors of mortality of patients with Takotsubo syndrome. International Journal of Cardiology, 2018, 267, 22-27.	1.7	62
96	Prevention of vasa vasorum neovascularization attenuates early neointima formation in experimental hypercholesterolemia. Basic Research in Cardiology, 2009, 104, 695-706.	5.9	61
97	Polyphenol-rich cranberry juice has a neutral effect on endothelial function but decreases the fraction of osteocalcin-expressing endothelial progenitor cells. European Journal of Nutrition, 2013, 52, 289-296.	3.9	61
98	Role of incremental doses of intracoronary adenosine for fractional flow reserve assessment. American Heart Journal, 2003, 146, 99-105.	2.7	60
99	Valsartan Regulates Myocardial Autophagy and Mitochondrial Turnover in Experimental Hypertension. Hypertension, 2014, 64, 87-93.	2.7	60
100	The Impact of Coronary Physiology on Contemporary Clinical Decision Making. JACC: Cardiovascular Interventions, 2020, 13, 1617-1638.	2.9	60
101	Leveraging Machine Learning Techniques to Forecast Patient Prognosis After Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2019, 12, 1304-1311.	2.9	59
102	Comparison of combination therapy of adenosine and nitroprusside with adenosine alone in the treatment of angiographic no-reflow phenomenon. Catheterization and Cardiovascular Interventions, 2004, 61, 484-491.	1.7	58
103	Women and Cardiovascular Heart Disease: Clinical Implications From the Womenâ€™s Ischemia Syndrome Evaluation (WISE) Study. Journal of the American College of Cardiology, 2006, 47, S59-S62.	2.8	58
104	Downregulation of circulating MOTS-c levels in patients with coronary endothelial dysfunction. International Journal of Cardiology, 2018, 254, 23-27.	1.7	58
105	Altered Endothelial Function in Asymptomatic Male Adolescents with Type 1 Diabetes. Congenital Heart Disease, 2006, 1, 98-103.	0.2	57
106	Mitochondria. Hypertension, 2015, 65, 264-270.	2.7	56
107	Coronary Endothelial Function Is Preserved With Chronic Endothelin Receptor Antagonism in Experimental Hypercholesterolemia In Vitro. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2769-2775.	2.4	55
108	Increased ubiquitin immunoreactivity in unstable atherosclerotic plaques associated with acute coronary syndromes. Journal of the American College of Cardiology, 2002, 40, 1919-1927.	2.8	55

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109	Systemic Inflammation and Metabolic Syndrome in Cardiac Allograft Vasculopathy. Journal of Heart and Lung Transplantation, 2007, 26, 826-833.	0.6	55
110	Placenta growth factor expression in human atherosclerotic carotid plaques is related to plaque destabilization. Atherosclerosis, 2008, 196, 333-340.	0.8	54
111	Oxidative stressâ€related increase in ubiquitination in early coronary atherogenesis. FASEB Journal, 2003, 17, 1730-1732.	0.5	52
112	Lipoprotein-Associated Phospholipase A2: A Risk Marker or a Risk Factor?. American Journal of Cardiology, 2008, 101, S11-S22.	1.6	52
113	Patients With Coronary Endothelial Dysfunction Have Impaired Cholesterol Efflux Capacity and Reduced HDL Particle Concentration. Circulation Research, 2016, 119, 83-90.	4.5	52
114	Cells for tissue engineering of cardiac valves. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 804-824.	2.7	51
115	Expression of lipoprotein-associated phospholipase A2 in carotid artery plaques predicts long-term cardiac outcome. European Heart Journal, 2009, 30, 2930-2938.	2.2	50
116	Renal vein cytokine release as an index of renal parenchymal inflammation in chronic experimental renal artery stenosis. Nephrology Dialysis Transplantation, 2014, 29, 274-282.	0.7	50
117	An update on cardio-oncology. Trends in Cardiovascular Medicine, 2014, 24, 285-295.	4.9	50
118	Treating Coronary Disease and the Impact of Endothelial Dysfunction. Progress in Cardiovascular Diseases, 2015, 57, 431-442.	3.1	50
119	Sex differences in vascular and endothelial responses to acute mental stress. Clinical Autonomic Research, 2008, 18, 339-345.	2.5	49
120	Supercritical Carbon Dioxideâ€"Based Sterilization of Decellularized Heart Valves. JACC Basic To Translational Science, 2017, 2, 71-84.	4.1	49
121	Proliferation of Coronary Adventitial Vasa Vasorum in Patients With Spontaneous Coronary Artery Dissection. JACC: Cardiovascular Imaging, 2016, 9, 891-892.	5.3	48
122	Coronary microvascular dysfunction is associated with exertional haemodynamic abnormalities in patients with heart failure with preserved ejection fraction. European Journal of Heart Failure, 2021, 23, 765-772.	7.1	48
123	Ten-year trends, predictors and outcomes of mechanical circulatory support in percutaneous coronary intervention for acute myocardial infarction with cardiogenic shock. EuroIntervention, 2021, 16, e1254-e1261.	3.2	48
124	Clinical outcomes of patients with hypothyroidism undergoing percutaneous coronary intervention. European Heart Journal, 2016, 37, 2055-2065.	2.2	47
125	Voice Signal Characteristics Are Independently Associated With Coronary Artery Disease. Mayo Clinic Proceedings, 2018, 93, 840-847.	3.0	47
126	Evaluation of patients with minimally obstructive coronary artery disease and angina. International Journal of Cardiology, 1996, 53, 203-208.	1.7	45

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127	Incremental doses of intracoronary adenosine for the assessment of coronary velocity reserve for clinical decision making. Catheterization and Cardiovascular Interventions, 2001, 54, 34-40.	1.7	44
128	Safety and Risk of Major Complications With Diagnostic Cardiac Catheterization. Circulation: Cardiovascular Interventions, 2019, 12, e007791.	3.9	44
129	Assessment of peripheral endothelial function predicts future risk of solid-tumor cancer. European Journal of Preventive Cardiology, 2020, 27, 608-618.	1.8	44
130	Circulating CD34+ cell subsets in patients with coronary endothelial dysfunction. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, 489-496.	3.3	43
131	Novel Functional Risk Factors for the Prediction of Cardiovascular Events in Vulnerable Patients Following Acute Coronary Syndrome. Circulation Journal, 2012, 76, 778-783.	1.6	43
132	Intra-renal delivery of mesenchymal stem cells attenuates myocardial injury after reversal of hypertension in porcine renovascular disease. Stem Cell Research and Therapy, 2015, 6, 7.	5.5	43
133	Humanin, a Cytoprotective Peptide, Is Expressed in Carotid Artherosclerotic Plaques in Humans. PLoS ONE, 2012, 7, e31065.	2.5	43
134	Evaluation of microvascular anatomy by micro-CT. Herz, 1999, 24, 531-533.	1.1	42
135	Safety and Efficacy of Extracorporeal Shock Wave Myocardial Revascularization Therapy for Refractory Angina Pectoris. Mayo Clinic Proceedings, 2014, 89, 346-354.	3.0	42
136	Loss of Renal Peritubular Capillaries in Hypertensive Patients Is Detectable by Urinary Endothelial Microparticle Levels. Hypertension, 2018, 72, 1180-1188.	2.7	42
137	Takotsubo syndrome: State-of-the-art review by an expert panel â€“ Part 2. Cardiovascular Revascularization Medicine, 2019, 20, 153-166.	0.8	42
138	Progressive Cellular Senescence Mediates Renal Dysfunction in Ischemic Nephropathy. Journal of the American Society of Nephrology: JASN, 2021, 32, 1987-2004.	6.1	42
139	Coronary microvascular dysfunction is associated with poor glycemic control amongst female diabetics with chest pain and non-obstructive coronary artery disease. Cardiovascular Diabetology, 2019, 18, 22.	6.8	41
140	Endothelin-A Receptor Blockade Improves Renal Microvascular Architecture and Function in Experimental Hypercholesterolemia. Journal of the American Society of Nephrology: JASN, 2006, 17, 3394-3403.	6.1	40
141	Hypothyroidism Is Associated With Coronary Endothelial Dysfunction in Women. Journal of the American Heart Association, 2015, 4, e002225.	3.7	40
142	Abnormal coronary microvascular endothelial function in humans with asymptomatic left ventricular dysfunction. American Heart Journal, 2003, 146, 549-554.	2.7	39
143	Plasma 8-iso-prostaglandin F2Î±, a marker of oxidative stress, is increased in patients with acute myocardial infarction. Free Radical Research, 2006, 40, 385-391.	3.3	39
144	Evaluation of coronary adventitial vasa vasorum using 3D optical coherence tomography â€“ Animal and human studies. Atherosclerosis, 2015, 239, 203-208.	0.8	39

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145	Chronic endothelin receptor antagonism prevents coronary vasa vasorum neovascularization in experimental hypercholesterolemia. Journal of the American College of Cardiology, 2002, 39, 1555-1561.	2.8	38
146	The assessment of endothelial function in the cardiac catheterization laboratory in patients with risk factors for atherosclerotic coronary artery disease. Herz, 1999, 24, 544-547.	1.1	37
147	Coronary endothelial function testing provides superior discrimination compared with standard clinical risk scoring in prediction of cardiovascular events. Coronary Artery Disease, 2016, 27, 213-220.	0.7	37
148	Mental Stress and Its Effects on Vascular Health. Mayo Clinic Proceedings, 2022, 97, 951-990.	3.0	37
149	In Vitro Model of a Fibrosa Layer of a Heart Valve. ACS Applied Materials & Interfaces, 2015, 7, 20012-20020.	8.0	36
150	In vivo remodeling of a 3D-Bioprinted tissue engineered heart valve scaffold. Bioprinting, 2019, 16, e00059.	5.8	36
151	Sex and Gender Disparities in the Management and Outcomes of Acute Myocardial Infarctionâ€"Cardiogenic Shock inÂOlder Adults. Mayo Clinic Proceedings, 2020, 95, 1916-1927.	3.0	36
152	On to the road to degradation: atherosclerosis and the proteasome. Cardiovascular Research, 2010, 85, 291-302.	3.8	35
153	Vocal Biomarker Is Associated With Hospitalization and Mortality Among Heart Failure Patients. Journal of the American Heart Association, 2020, 9, e013359.	3.7	35
154	Patients with an HbA1c in the Prediabetic and Diabetic Range Have Higher Numbers of Circulating Cells with Osteogenic and Endothelial Progenitor Cell Markers. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4761-4768.	3.6	34
155	Sexâ€Specific Genetic Variants are Associated With Coronary Endothelial Dysfunction. Journal of the American Heart Association, 2016, 5, e002544.	3.7	34
156	A novel surgical technique for a rat subcutaneous implantation of a tissue engineered scaffold. Acta Histochemica, 2018, 120, 282-291.	1.8	34
157	Association of Search Engine Queries for Chest Pain With Coronary Heart Disease Epidemiology. JAMA Cardiology, 2018, 3, 1218.	6.1	34
158	Intravascular ultrasound, optical coherence tomography, and fractional flow reserve use in acute myocardial infarction. Catheterization and Cardiovascular Interventions, 2020, 96, E59-E66.	1.7	34
159	Promise of autologous CD34+ stem/progenitor cell therapy for treatment of cardiovascular disease. Cardiovascular Research, 2020, 116, 1424-1433.	3.8	34
160	Age-Stratified Sex-Related Differences in the Incidence, Management, and Outcomes of Acute Myocardial Infarction. Mayo Clinic Proceedings, 2021, 96, 332-341.	3.0	34
161	Prevalence of myocardial bridging associated with coronary endothelial dysfunction in patients with chest pain and non-obstructive coronary artery disease. EuroIntervention, 2020, 15, 1262-1268.	3.2	34
162	Role of Renal Cortical Neovascularization in Experimental Hypercholesterolemia. Hypertension, 2007, 50, 729-736.	2.7	33

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163	Coronary endothelial dysfunction and hyperlipidemia are independently associated with diastolic dysfunction in humans. American Heart Journal, 2007, 153, 1081-1087.	2.7	33
164	The Association between Circulating MicroRNA Levels and Coronary Endothelial Function. PLoS ONE, 2014, 9, e109650.	2.5	33
165	Recellularization of a novel off-the-shelf valve following xenogenic implantation into the right ventricular outflow tract. PLoS ONE, 2017, 12, e0181614.	2.5	33
166	Early atherosclerosis aggravates the effect of renal artery stenosis on the swine kidney. American Journal of Physiology - Renal Physiology, 2010, 299, F135-F140.	2.7	32
167	Cardiac Metabolic Alterations in Hypertensive Obese Pigs. Hypertension, 2015, 66, 430-436.	2.7	32
168	Effect of Metformin on Microvascular Endothelial Function in Polycystic OvaryÂSyndrome. Mayo Clinic Proceedings, 2019, 94, 2455-2466.	3.0	32
169	Coronary Endothelial Dysfunction Is Associated With Increased Risk of Incident Atrial Fibrillation. Journal of the American Heart Association, 2020, 9, e014850.	3.7	32
170	The functional assessment of patients with non-obstructive coronary artery disease: expert review from an international microcirculation working group. EuroIntervention, 2019, 14, 1694-1702.	3.2	32
171	Effects of Bisphosphonate Treatment on Circulating Osteogenic Endothelial Progenitor Cells in Postmenopausal Women. Mayo Clinic Proceedings, 2013, 88, 46-55.	3.0	31
172	Clinical Implications of Intracoronary Imaging in Cardiac Allograft Vasculopathy. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	31
173	Safety of Revascularization Deferral of Left Main Stenosis Based on Instantaneous Wave-FreeÂRatio Evaluation. JACC: Cardiovascular Interventions, 2020, 13, 1655-1664.	2.9	30
174	Optimization of polycaprolactone fibrous scaffold for heart valve tissue engineering. Biomedical Materials (Bristol), 2019, 14, 065014.	3.3	29
175	Atrial Fibrillation and Endothelial Dysfunction. Mayo Clinic Proceedings, 2021, 96, 1609-1621.	3.0	29
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