

Hiroaki Shimokawa

List of Publications by Year in descending order

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782
papers

50,099
citations

1606
105
h-index

2675
193
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812
all docs

812
docs citations

812
times ranked

40674
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiinflammatory Therapy with Canakinumab for Atherosclerotic Disease. <i>New England Journal of Medicine</i> , 2017, 377, 1119-1131.	13.9	6,227
2	International Expert Consensus Document on Takotsubo Syndrome (Part I): Clinical Characteristics, Diagnostic Criteria, and Pathophysiology. <i>European Heart Journal</i> , 2018, 39, 2032-2046.	1.0	972
3	Effect of interleukin-1 β inhibition with canakinumab on incident lung cancer in patients with atherosclerosis: exploratory results from a randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2017, 390, 1833-1842.	6.3	948
4	Heart failure: preventing disease and death worldwide. <i>ESC Heart Failure</i> , 2014, 1, 4-25.	1.4	921
5	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in mice. <i>Journal of Clinical Investigation</i> , 2000, 106, 1521-1530.	3.9	645
6	Relationship of C-reactive protein reduction to cardiovascular event reduction following treatment with canakinumab: a secondary analysis from the CANTOS randomised controlled trial. <i>Lancet, The</i> , 2018, 391, 319-328.	6.3	628
7	The Importance of the Hyperpolarizing Mechanism Increases as the Vessel Size Decreases in Endothelium-Dependent Relaxations in Rat Mesenteric Circulation. <i>Journal of Cardiovascular Pharmacology</i> , 1996, 28, 703-711.	0.8	603
8	International Expert Consensus Document on Takotsubo Syndrome (Part II): Diagnostic Workup, Outcome, and Management. <i>European Heart Journal</i> , 2018, 39, 2047-2062.	1.0	521
9	International standardization of diagnostic criteria for microvascular angina. <i>International Journal of Cardiology</i> , 2018, 250, 16-20.	0.8	494
10	Rho-Kinase Mediates Hypoxia-Induced Downregulation of Endothelial Nitric Oxide Synthase. <i>Circulation</i> , 2002, 106, 57-62.	1.6	459
11	Rho-Kinase Is an Important Therapeutic Target in Cardiovascular Medicine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1767-1775.	1.1	447
12	JCS 2017/JHFS 2017 Guideline on Diagnosis and Treatment of Acute and Chronic Heart Failure—Digest Version. <i>Circulation Journal</i> , 2019, 83, 2084-2184.	0.7	446
13	Long-Term Inhibition of Rho-Kinase Suppresses Angiotensin II-Induced Cardiovascular Hypertrophy in Rats In Vivo. <i>Circulation Research</i> , 2003, 93, 767-775.	2.0	411
14	Suppression of Coronary Artery Spasm by the Rho-Kinase Inhibitor Fasudil in Patients With Vasospastic Angina. <i>Circulation</i> , 2002, 105, 1545-1547.	1.6	401
15	Long-Term Treatment With a Rho-Kinase Inhibitor Improves Monocrotaline-Induced Fatal Pulmonary Hypertension in Rats. <i>Circulation Research</i> , 2004, 94, 385-393.	2.0	384
16	Primary Endothelial Dysfunction: Atherosclerosis. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 23-37.	0.9	380
17	Modulation of the interleukin-6 signalling pathway and incidence rates of atherosclerotic events and all-cause mortality: analyses from the Canakinumab Anti-Inflammatory Thrombosis Outcomes Study (CANTOS). <i>European Heart Journal</i> , 2018, 39, 3499-3507.	1.0	375
18	Impaired Insulin Signaling in Endothelial Cells Reduces Insulin-Induced Glucose Uptake by Skeletal Muscle. <i>Cell Metabolism</i> , 2011, 13, 294-307.	7.2	362

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19	Extracorporeal Cardiac Shock Wave Therapy Markedly Ameliorates Ischemia-Induced Myocardial Dysfunction in Pigs in Vivo. <i>Circulation</i> , 2004, 110, 3055-3061.	1.6	343
20	Endothelial Functions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, e108-e114.	1.1	328
21	International standardization of diagnostic criteria for vasospastic angina. <i>European Heart Journal</i> , 2017, 38, ehv351.	1.0	325
22	JCS 2018 Guideline on Diagnosis and Treatment of Acute Coronary Syndrome. <i>Circulation Journal</i> , 2019, 83, 1085-1196.	0.7	324
23	RhoA/Rho-Kinase in the Cardiovascular System. <i>Circulation Research</i> , 2016, 118, 352-366.	2.0	316
24	Heart failure as a general pandemic in Asia. <i>European Journal of Heart Failure</i> , 2015, 17, 884-892.	2.9	311
25	Possible Involvement of Rho-Kinase in the Pathogenesis of Hypertension in Humans. <i>Hypertension</i> , 2001, 38, 1307-1310.	1.3	306
26	Increased Reactive Oxygen Species in Rostral Ventrolateral Medulla Contribute to Neural Mechanisms of Hypertension in Stroke-Prone Spontaneously Hypertensive Rats. <i>Circulation</i> , 2004, 109, 2357-2362.	1.6	295
27	Percutaneous Transluminal Pulmonary Angioplasty Markedly Improves Pulmonary Hemodynamics and Long-Term Prognosis in Patients With Chronic Thromboembolic Pulmonary Hypertension. <i>Circulation Journal</i> , 2012, 76, 485-488.	0.7	290
28	Angina pectoris caused by coronary microvascular spasm. <i>Lancet</i> , The, 1998, 351, 1165-1169.	6.3	287
29	Long-Term Treatment With a Specific Rho-Kinase Inhibitor Suppresses Cardiac Allograft Vasculopathy in Mice. <i>Circulation Research</i> , 2004, 94, 46-52.	2.0	267
30	Hydrogen Peroxide Is an Endothelium-Derived Hyperpolarizing Factor in Human Mesenteric Arteries. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 909-913.	1.0	266
31	Rho-kinase as a Novel Therapeutic Target in Treatment of Cardiovascular Diseases. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 39, 319-327.	0.8	259
32	Inhibition of Myosin Phosphatase by Upregulated Rho-Kinase Plays a Key Role for Coronary Artery Spasm in a Porcine Model With Interleukin-1 β . <i>Circulation</i> , 2000, 101, 1319-1323.	1.6	257
33	Rho-kinase: important new therapeutic target in cardiovascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H287-H296.	1.5	249
34	Characterization of heart failure patients with mid-range left ventricular ejection fraction—a report from the CHART Study. <i>European Journal of Heart Failure</i> , 2017, 19, 1258-1269.	2.9	246
35	Inhaled Rho Kinase Inhibitors Are Potent and Selective Vasodilators in Rat Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 494-499.	2.5	231
36	Involvement of Rho-kinase in hypertensive vascular disease: a novel therapeutic target in hypertension. <i>FASEB Journal</i> , 2001, 15, 1062-1064.	0.2	229

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37	Development of Rho-kinase inhibitors for cardiovascular medicine. Trends in Pharmacological Sciences, 2007, 28, 296-302.	4.0	229
38	Involvement of Rho-kinase in hypertensive vascular disease –a novel therapeutic target in hypertension. FASEB Journal, 2001, 15, 1062-1064.	0.2	215
39	Long-Term Inhibition of Rho-Kinase Suppresses Left Ventricular Remodeling After Myocardial Infarction in Mice. Circulation, 2004, 109, 2234-2239.	1.6	209
40	Trend of Westernization of Etiology and Clinical Characteristics of Heart Failure Patients in Japan. Circulation Journal, 2011, 75, 823-833.	0.7	209
41	Rho-kinase inhibition with intracoronary fasudil prevents myocardial ischemia in patients with coronary microvascular spasm. Journal of the American College of Cardiology, 2003, 41, 15-19.	1.2	207
42	Epidemiology of Heart Failure in Asia. Circulation Journal, 2013, 77, 2209-2217.	0.7	206
43	Important Role of Endogenous Erythropoietin System in Recruitment of Endothelial Progenitor Cells in Hypoxia-Induced Pulmonary Hypertension in Mice. Circulation, 2006, 113, 1442-1450.	1.6	195
44	Important Role of Rho-kinase in the Pathogenesis of Cardiovascular Inflammation and Remodeling Induced by Long-Term Blockade of Nitric Oxide Synthesis in Rats. Hypertension, 2002, 39, 245-250.	1.3	191
45	Rho-mediated regulation of tight junctions during monocyte migration across the blood-brain barrier in HIV-1 encephalitis (HIVE). Blood, 2006, 107, 4770-4780.	0.6	191
46	Early Induction of Transforming Growth Factor- β 2 via Angiotensin II Type 1 Receptors Contributes to Cardiac Fibrosis Induced by Long-term Blockade of Nitric Oxide Synthesis in Rats. Hypertension, 1998, 32, 273-279.	1.3	190
47	Clinical implications of provocation tests for coronary artery spasm: safety, arrhythmic complications, and prognostic impact: Multicentre Registry Study of the Japanese Coronary Spasm Association. European Heart Journal, 2013, 34, 258-267.	1.0	190
48	Rho Kinase Inhibition by Fasudil Ameliorates Diabetes-Induced Microvascular Damage. Diabetes, 2009, 58, 215-226.	0.3	188
49	Fish oil and omega-3 fatty acids in cardiovascular disease: do they really work?. European Heart Journal, 2012, 33, 436-443.	1.0	186
50	2014 Williams Harvey Lecture: importance of coronary vasomotion abnormalities—from bench to bedside. European Heart Journal, 2014, 35, 3180-3193.	1.0	185
51	Rho-Kinase Is Involved in Macrophage-Mediated Formation of Coronary Vascular Lesions in Pigs In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 2351-2358.	1.1	184
52	Anti-anginal Effect of Fasudil, a Rho-Kinase Inhibitor, in Patients With Stable Effort Angina: A Multicenter Study. Journal of Cardiovascular Pharmacology, 2002, 40, 751-761.	0.8	183
53	The Great East Japan Earthquake Disaster and cardiovascular diseases. European Heart Journal, 2012, 33, 2796-2803.	1.0	183
54	Role of TGF- β 2 in proliferative vitreoretinal diseases and ROCK as a therapeutic target. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17504-17509.	3.3	177

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55	Trends in Acute Myocardial Infarction Incidence and Mortality Over 30 Years in Japan: Report From the MIYAGI-AMI Registry Study. <i>Circulation Journal</i> , 2010, 74, 93-100.	0.7	176
56	High-Dose Versus Low-Dose Pitavastatin in Japanese Patients With Stable Coronary Artery Disease (REAL-CAD). <i>Circulation</i> , 2018, 137, 1997-2009.	1.6	174
57	Important Role of Erythropoietin Receptor to Promote VEGF Expression and Angiogenesis in Peripheral Ischemia in Mice. <i>Circulation Research</i> , 2007, 100, 662-669.	2.0	173
58	Rho-Kinase Mediates Angiotensin II-Induced Monocyte Chemoattractant Protein-1 Expression in Rat Vascular Smooth Muscle Cells. <i>Hypertension</i> , 2001, 38, 100-104.	1.3	172
59	Chronic Inhibition of Nitric Oxide Synthesis Causes Coronary Microvascular Remodeling in Rats. <i>Hypertension</i> , 1995, 26, 957-962.	1.3	172
60	Pitavastatin Enhanced BMP-2 and Osteocalcin Expression by Inhibition of Rho-Associated Kinase in Human Osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 337-342.	1.0	171
61	Extracorporeal cardiac shock wave therapy ameliorates myocardial ischemia in patients with severe coronary artery disease. <i>Coronary Artery Disease</i> , 2006, 17, 63-70.	0.3	169
62	Clinical Characteristics and Long-Term Prognosis of Vasospastic Angina Patients Who Survived Out-of-Hospital Cardiac Arrest. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2011, 4, 295-302.	2.1	166
63	Hydrogen Peroxide, an Endogenous Endothelium-Derived Hyperpolarizing Factor, Plays an Important Role in Coronary Autoregulation In Vivo. <i>Circulation</i> , 2003, 107, 1040-1045.	1.6	165
64	Cellular and Molecular Mechanisms of Coronary Artery Spasm. <i>Japanese Circulation Journal</i> , 2000, 64, 1-12.	1.0	162
65	Important Role of Local Angiotensin II Activity Mediated via Type 1 Receptor in the Pathogenesis of Cardiovascular Inflammatory Changes Induced by Chronic Blockade of Nitric Oxide Synthesis in Rats. <i>Circulation</i> , 2000, 101, 305-310.	1.6	162
66	Overexpression of eNOS in the RVLM Causes Hypotension and Bradycardia Via GABA Release. <i>Hypertension</i> , 2001, 38, 896-901.	1.3	159
67	Electron Spin Resonance Detection of Hydrogen Peroxide as an Endothelium-Derived Hyperpolarizing Factor in Porcine Coronary Microvessels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1224-1230.	1.1	153
68	Fabrication of endothelial progenitor cell (EPC)-seeded intravascular stent devices and in vitro endothelialization on hybrid vascular tissue. <i>Biomaterials</i> , 2003, 24, 2295-2302.	5.7	151
69	Acute vasodilator effects of inhaled fasudil, a specific Rho-kinase inhibitor, in patients with pulmonary arterial hypertension. <i>Heart and Vessels</i> , 2010, 25, 144-149.	0.5	151
70	Evidence for Rho-Kinase Activation in Patients With Pulmonary Arterial Hypertension. <i>Circulation Journal</i> , 2009, 73, 1731-1739.	0.7	150
71	Inflammatory stimuli upregulate Rho-kinase in human coronary vascular smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 37, 537-546.	0.9	148
72	Prognostic Stratification of Patients With Vasospastic Angina. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1144-1153.	1.2	148

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73	Fulminant Versus Acute Nonfulminant Myocarditis in Patients With Left Ventricular Systolic Dysfunction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 299-311.	1.2	148
74	Prognostic Impact of Myocardial Interstitial Fibrosis in Non-Ischemic Heart Failure - Comparison Between Preserved and Reduced Ejection Fraction Heart Failure -. <i>Circulation Journal</i> , 2011, 75, 2605-2613.	0.7	146
75	Spontaneous Myocardial Infarction in Mice Lacking All Nitric Oxide Synthase Isoforms. <i>Circulation</i> , 2008, 117, 2211-2223.	1.6	143
76	Nephrogenic diabetes insipidus in mice lacking all nitric oxide synthase isoforms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10616-10621.	3.3	141
77	Ferroptosis is controlled by the coordinated transcriptional regulation of glutathione and labile iron metabolism by the transcription factor BACH1. <i>Journal of Biological Chemistry</i> , 2020, 295, 69-82.	1.6	141
78	Coronary Adventitial and Perivascular Adipose Tissue Inflammation in Patients With Vasospastic Angina. <i>Journal of the American College of Cardiology</i> , 2018, 71, 414-425.	1.2	138
79	Double-Blind, Placebo-Controlled Clinical Trial With a Rho-Kinase Inhibitor in Pulmonary Arterial Hypertension. <i>Circulation Journal</i> , 2013, 77, 2619-2625.	0.7	137
80	Critical Role of Rho-Kinase and MEK/ERK Pathways for Angiotensin II-Induced Plasminogen Activator Inhibitor Type-1 Gene Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 868-873.	1.1	135
81	Prostacyclin releases endothelium-derived relaxing factor and potentiates its action in coronary arteries of the pig. <i>British Journal of Pharmacology</i> , 1988, 95, 1197-1203.	2.7	133
82	Intramural delivery of a specific tyrosine kinase inhibitor with biodegradable stent suppresses the restenotic changes of the coronary artery in pigs in vivo. <i>Journal of the American College of Cardiology</i> , 1998, 32, 780-786.	1.2	133
83	Coronary microvascular spasm causes myocardial ischemia in patients with vasospastic angina. <i>Journal of the American College of Cardiology</i> , 2002, 39, 847-851.	1.2	133
84	MRI of Cardiac Sarcoidosis: Basal and Subepicardial Localization of Myocardial Lesions and Their Effect on Left Ventricular Function. <i>American Journal of Roentgenology</i> , 2008, 191, 862-869.	1.0	132
85	Coronary Functional Abnormalities in Patients With Angina and Nonobstructive Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2350-2360.	1.2	132
86	Guidelines for the Treatment of Pulmonary Hypertension (JCS 2017/JPCPHS 2017). <i>Circulation Journal</i> , 2019, 83, 842-945.	0.7	132
87	Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade. <i>Hypertension</i> , 1997, 30, 1621-1627.	1.3	132
88	Pivotal role of Cu,Zn-superoxide dismutase in endothelium-dependent hyperpolarization. <i>Journal of Clinical Investigation</i> , 2003, 112, 1871-1879.	3.9	132
89	Comprehensive evaluation of the effectiveness and safety of balloon pulmonary angioplasty for inoperable chronic thrombo-embolic pulmonary hypertension: long-term effects and procedure-related complications. <i>European Heart Journal</i> , 2017, 38, 3152-3159.	1.0	130
90	Crucial role of nitric oxide synthases system in endothelium-dependent hyperpolarization in mice. <i>Journal of Experimental Medicine</i> , 2008, 205, 2053-2063.	4.2	128

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91	SLCO4C1 Transporter Eliminates Uremic Toxins and Attenuates Hypertension and Renal Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2546-2555.	3.0	124
92	Clinical characteristics and long-term prognosis of patients with variant angina. A comparative study between western and Japanese populations. <i>International Journal of Cardiology</i> , 1988, 18, 331-349.	0.8	123
93	Downregulation of Angiotensin II Type 1 Receptor by Hydrophobic 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitors in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1896-1901.	1.1	123
94	Rho-Kinase Inhibitor Improves Increased Vascular Resistance and Impaired Vasodilation of the Forearm in Patients With Heart Failure. <i>Circulation</i> , 2005, 111, 2741-2747.	1.6	121
95	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in animals and humans. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 39, 725-732.	0.9	121
96	Double-Blind and Placebo-Controlled Study of the Effectiveness and Safety of Extracorporeal Cardiac Shock Wave Therapy for Severe Angina Pectoris. <i>Circulation Journal</i> , 2010, 74, 589-591.	0.7	121
97	Enhanced Myosin Light Chain Phosphorylations as a Central Mechanism for Coronary Artery Spasm in a Swine Model With Interleukin-1 β . <i>Circulation</i> , 1997, 96, 4357-4363.	1.6	121
98	Long-Term Treatment with Eicosapentaenoic Acid Augments Both Nitric Oxide-Mediated and Non-Nitric Oxide-Mediated Endothelium-Dependent Forearm Vasodilatation in Patients with Coronary Artery Disease. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 33, 633-640.	0.8	117
99	Long-Term Inhibition of Rho-kinase Ameliorates Hypoxia-Induced Pulmonary Hypertension in Mice. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 48, 280-285.	0.8	116
100	Cardiac Angiotensin II Receptors Are Upregulated by Long-Term Inhibition of Nitric Oxide Synthesis in Rats. <i>Circulation Research</i> , 1998, 83, 743-751.	2.0	115
101	Coronary perivascular fibrosis is associated with impairment of coronary blood flow in patients with non-ischemic heart failure. <i>Journal of Cardiology</i> , 2012, 60, 416-421.	0.8	114
102	Transforming Growth Factor- β 2 and Connective Tissue Growth Factor in Proliferative Vitreoretinal Diseases: Possible Involvement of Hyalocytes and Therapeutic Potential of Rho Kinase Inhibitor. <i>Diabetes</i> , 2007, 56, 231-238.	0.3	113
103	Sex in basic research: concepts in the cardiovascular field. <i>Cardiovascular Research</i> , 2017, 113, 711-724.	1.8	113
104	Inhibition of NO Synthesis Induces Inflammatory Changes and Monocyte Chemoattractant Protein-1 Expression in Rat Hearts and Vessels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1456-1464.	1.1	111
105	Long-Term Inhibition of Rho-Kinase Suppresses Neointimal Formation After Stent Implantation in Porcine Coronary Arteries: Involvement of Multiple Mechanisms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 181-186.	1.1	111
106	Protein Kinase A as Another Mediator of Ischemic Preconditioning Independent of Protein Kinase C. <i>Circulation</i> , 2004, 110, 51-57.	1.6	107
107	Overexpression of Inducible Nitric Oxide Synthase in Rostral Ventrolateral Medulla Causes Hypertension and Sympathoexcitation via an Increase in Oxidative Stress. <i>Circulation Research</i> , 2005, 96, 252-260.	2.0	106
108	Evidence for Brain Activation in Patients With Takotsubo Cardiomyopathy. <i>Circulation Journal</i> , 2014, 78, 256-258.	0.7	106

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109	The parallel tales of microvascular angina and heart failure with preserved ejection fraction: a paradigm shift. <i>European Heart Journal</i> , 2017, 38, ehw461.	1.0	106
110	Hydrogen peroxide as an endothelium-derived hyperpolarizing factor. <i>Pharmacological Research</i> , 2004, 49, 543-549.	3.1	105
111	Assessment of Vascular Dysfunction in Patients Without Obstructive Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1847-1864.	1.1	105
112	Pathogenic Role of Oxidative Stress in Vascular Angiotensin-Converting Enzyme Activation in Long-Term Blockade of Nitric Oxide Synthesis in Rats. <i>Hypertension</i> , 1999, 34, 546-551.	1.3	104
113	Development of Genetically Engineered Mice Lacking All Three Nitric Oxide Synthases. <i>Journal of Pharmacological Sciences</i> , 2006, 102, 147-154.	1.1	104
114	Overexpression of eNOS in NTS Causes Hypotension and Bradycardia In Vivo. <i>Hypertension</i> , 2000, 36, 1023-1028.	1.3	102
115	Crucial Role of ROCK2 in Vascular Smooth Muscle Cells for Hypoxia-Induced Pulmonary Hypertension in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2780-2791.	1.1	102
116	Caveolin-1 Is a Critical Determinant of Autophagy, Metabolic Switching, and Oxidative Stress in Vascular Endothelium. <i>PLoS ONE</i> , 2014, 9, e87871.	1.1	102
117	Hydrogen peroxide as an endothelium-derived hyperpolarizing factor. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 459, 915-922.	1.3	100
118	Prognostic impact of chronic nitrate therapy in patients with vasospastic angina: multicentre registry study of the Japanese coronary spasm association. <i>European Heart Journal</i> , 2015, 36, 228-237.	1.0	100
119	The Who, What, Why, When, How and Where of Vasospastic Angina. <i>Circulation Journal</i> , 2016, 80, 289-298.	0.7	97
120	Negative feedback regulation of lipopolysaccharide-induced inducible nitric oxide synthase gene expression by heme oxygenase-1 induction in macrophages. <i>Molecular Immunology</i> , 2008, 45, 2106-2115.	1.0	96
121	Coronary artery spasm induced in miniature swine: Angiographic evidence and relation to coronary atherosclerosis. <i>American Heart Journal</i> , 1985, 110, 300-310.	1.2	95
122	Vasculoprotective Roles of Neuronal Nitric Oxide Synthase. <i>FASEB Journal</i> , 2002, 16, 1994-1996.	0.2	95
123	Rho/Rho-Kinase Pathway in Brain Stem Contributes to Blood Pressure Regulation via Sympathetic Nervous System. <i>Circulation Research</i> , 2003, 92, 1337-1343.	2.0	95
124	Myocardial ischemia: Current concepts and future perspectives. <i>Journal of Cardiology</i> , 2008, 52, 67-78.	0.8	94
125	Chronic kidney disease and heart failure—Bidirectional close link and common therapeutic goal. <i>Journal of Cardiology</i> , 2011, 57, 8-17.	0.8	94
126	Role of Monocyte Chemoattractant Protein-1 in Cardiovascular Remodeling Induced by Chronic Blockade of Nitric Oxide Synthesis. <i>Circulation</i> , 2000, 102, 2243-2248.	1.6	93

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127	Protective Roles of Endothelial AMP-Activated Protein Kinase Against Hypoxia-Induced Pulmonary Hypertension in Mice. <i>Circulation Research</i> , 2016, 119, 197-209.	2.0	93
128	Coronary Artery Ectasia Predicts Future Cardiac Events in Patients With Acute Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2350-2355.	1.1	93
129	Adenovirus-Mediated Transfer of Dominant-Negative Rho-Kinase Induces a Regression of Coronary Arteriosclerosis in Pigs In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 548-554.	1.1	92
130	Prognostic Impact of Nutritional Status in Asymptomatic Patients With Cardiac Diseases. <i>Circulation Journal</i> , 2013, 77, 2318-2326.	0.7	91
131	Temporal Trends in Clinical Characteristics, Management and Prognosis of Patients With Symptomatic Heart Failure in Japan—Report From the CHART Studies. <i>Circulation Journal</i> , 2015, 79, 2396-2407.	0.7	89
132	Whole-brain low-intensity pulsed ultrasound therapy markedly improves cognitive dysfunctions in mouse models of dementia—Crucial roles of endothelial nitric oxide synthase. <i>Brain Stimulation</i> , 2018, 11, 959-973.	0.7	89
133	Cardiovascular Effects of Overexpression of Endothelial Nitric Oxide Synthase in the Rostral Ventrolateral Medulla in Stroke-Prone Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2002, 39, 264-268.	1.3	88
134	Inhibition of Renin-Angiotensin System Ameliorates Endothelial Dysfunction Associated With Aging in Rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1445-1450.	1.1	88
135	Cyclophilin A - Promising New Target in Cardiovascular Therapy -. <i>Circulation Journal</i> , 2010, 74, 2249-2256.	0.7	88
136	Extracorporeal cardiac shock wave therapy improves left ventricular remodeling after acute myocardial infarction in pigs. <i>Coronary Artery Disease</i> , 2007, 18, 397-404.	0.3	87
137	Extracorporeal Shock Wave Therapy as a New and Non-invasive Angiogenic Strategy. <i>Tohoku Journal of Experimental Medicine</i> , 2009, 219, 1-9.	0.5	87
138	Basigin Mediates Pulmonary Hypertension by Promoting Inflammation and Vascular Smooth Muscle Cell Proliferation. <i>Circulation Research</i> , 2014, 115, 738-750.	2.0	87
139	Hypercholesterolemia causes generalized impairment of endothelium-dependent relaxation to aggregating platelets in porcine arteries. <i>Journal of the American College of Cardiology</i> , 1989, 13, 1402-1408.	1.2	86
140	Role of Coronary Vasoconstriction in Ischemic Heart Disease and Search for Novel Therapeutic Targets. <i>Circulation Journal</i> , 2009, 73, 394-403.	0.7	85
141	Mechanisms and diagnostic evaluation of persistent or recurrent angina following percutaneous coronary revascularization. <i>European Heart Journal</i> , 2019, 40, 2455-2462.	1.0	85
142	Fasudil, a Rho-kinase inhibitor, attenuates glomerulosclerosis in Dahl salt-sensitive rats. <i>Journal of Hypertension</i> , 2004, 22, 1787-1796.	0.3	84
143	Plasma Cyclophilin A Is a Novel Biomarker for Coronary Artery Disease. <i>Circulation Journal</i> , 2013, 77, 447-455.	0.7	84
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412	Prognostic impacts of dynamic cardiac structural changes in heart failure patients with preserved left ventricular ejection fraction. <i>European Journal of Heart Failure</i> , 2020, 22, 2258-2268.	2.9	22
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417	Marked Impairment of Endothelium-Dependent Digital Vasodilatations in Patients With Microvascular Angina. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1400-1412.	1.1	21
418	Increased inactivation of nitric oxide is involved in impaired coronary flow reserve in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H2619-H2625.	1.5	20
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