

# Hiroaki Shimokawa

## List of Publications by Citations

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742  
papers

38,187  
citations

96  
h-index

168  
g-index

812  
ext. papers

44,640  
ext. citations

5.6  
avg, IF

7.22  
L-index

#	Paper	IF	Citations
742	Antiinflammatory Therapy with Canakinumab for Atherosclerotic Disease. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 1119-1131	59.2	3877
741	Effect of interleukin-1 $\beta$ 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> , <b>2017</b> , 390, 1833-1842	40	634
740	Heart failure: preventing disease and death worldwide. <i>ESC Heart Failure</i> , <b>2014</b> , 1, 4-25	3.7	598
739	International Expert Consensus Document on Takotsubo Syndrome (Part I): Clinical Characteristics, Diagnostic Criteria, and Pathophysiology. <i>European Heart Journal</i> , <b>2018</b> , 39, 2032-2046	9.5	561
738	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in mice. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 1521-30	15.9	558
737	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> , <b>1996</b> , 28, 703-11	3.1	534
736	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> , <b>2018</b> , 391, 319-328	40	430
735	Rho-kinase mediates hypoxia-induced downregulation of endothelial nitric oxide synthase. <i>Circulation</i> , <b>2002</b> , 106, 57-62	16.7	421
734	Rho-kinase is an important therapeutic target in cardiovascular medicine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 1767-75	9.4	408
733	Long-term inhibition of Rho-kinase suppresses angiotensin II-induced cardiovascular hypertrophy in rats in vivo: effect on endothelial NAD(P)H oxidase system. <i>Circulation Research</i> , <b>2003</b> , 93, 767-75	15.7	375
732	Suppression of coronary artery spasm by the Rho-kinase inhibitor fasudil in patients with vasospastic angina. <i>Circulation</i> , <b>2002</b> , 105, 1545-7	16.7	355
731	Long-term treatment with a Rho-kinase inhibitor improves monocrotaline-induced fatal pulmonary hypertension in rats. <i>Circulation Research</i> , <b>2004</b> , 94, 385-93	15.7	344
730	Primary endothelial dysfunction: atherosclerosis. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 23-37	5.8	339
729	International Expert Consensus Document on Takotsubo Syndrome (Part II): Diagnostic Workup, Outcome, and Management. <i>European Heart Journal</i> , <b>2018</b> , 39, 2047-2062	9.5	304
728	Impaired insulin signaling in endothelial cells reduces insulin-induced glucose uptake by skeletal muscle. <i>Cell Metabolism</i> , <b>2011</b> , 13, 294-307	24.6	298
727	Extracorporeal cardiac shock wave therapy markedly ameliorates ischemia-induced myocardial dysfunction in pigs in vivo. <i>Circulation</i> , <b>2004</b> , 110, 3055-61	16.7	289
726	Possible involvement of Rho-kinase in the pathogenesis of hypertension in humans. <i>Hypertension</i> , <b>2001</b> , 38, 1307-10	8.5	280

725	Increased reactive oxygen species in rostral ventrolateral medulla contribute to neural mechanisms of hypertension in stroke-prone spontaneously hypertensive rats. <i>Circulation</i> , <b>2004</b> , 109, 2357-62	16.7	266
724	Long-term treatment with a specific Rho-kinase inhibitor suppresses cardiac allograft vasculopathy in mice. <i>Circulation Research</i> , <b>2004</b> , 94, 46-52	15.7	255
723	International standardization of diagnostic criteria for microvascular angina. <i>International Journal of Cardiology</i> , <b>2018</b> , 250, 16-20	3.2	254
722	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in human mesenteric arteries. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 290, 909-13	3.4	245
721	Angina pectoris caused by coronary microvascular spasm. <i>Lancet, The</i> , <b>1998</b> , 351, 1165-9	4.0	238
720	Rho-kinase as a novel therapeutic target in treatment of cardiovascular diseases. <i>Journal of Cardiovascular Pharmacology</i> , <b>2002</b> , 39, 319-27	3.1	236
719	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> , <b>2018</b> , 39, 3499-3507	9.5	233
718	JCS 2017/JHFS 2017 Guideline on Diagnosis and Treatment of Acute and Chronic Heart Failure - Digest Version. <i>Circulation Journal</i> , <b>2019</b> , 83, 2084-2184	2.9	228
717	Percutaneous transluminal pulmonary angioplasty markedly improves pulmonary hemodynamics and long-term prognosis in patients with chronic thromboembolic pulmonary hypertension. <i>Circulation Journal</i> , <b>2012</b> , 76, 485-8	2.9	226
716	Inhibition of myosin phosphatase by upregulated rho-kinase plays a key role for coronary artery spasm in a porcine model with interleukin-1beta. <i>Circulation</i> , <b>2000</b> , 101, 1319-23	16.7	224
715	Inhaled Rho kinase inhibitors are potent and selective vasodilators in rat pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 171, 494-9	10.2	218
714	International standardization of diagnostic criteria for vasospastic angina. <i>European Heart Journal</i> , <b>2017</b> , 38, 2565-2568	9.5	216
713	Rho-kinase: important new therapeutic target in cardiovascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H287-96	5.2	215
712	RhoA/Rho-Kinase in the Cardiovascular System. <i>Circulation Research</i> , <b>2016</b> , 118, 352-66	15.7	209
711	Involvement of Rho-kinase in hypertensive vascular disease & novel therapeutic target in hypertension. <i>FASEB Journal</i> , <b>2001</b> , 15, 1062-1064	0.9	206
710	Development of Rho-kinase inhibitors for cardiovascular medicine. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 296-302	13.2	204
709	Involvement of Rho-kinase in hypertensive vascular disease: a novel therapeutic target in hypertension. <i>FASEB Journal</i> , <b>2001</b> , 15, 1062-4	0.9	203
708	Endothelial Functions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, e108-e114	9.4	195

707	Long-term inhibition of Rho-kinase suppresses left ventricular remodeling after myocardial infarction in mice. <i>Circulation</i> , <b>2004</b> , 109, 2234-9	16.7	195
706	Heart failure as a general pandemic in Asia. <i>European Journal of Heart Failure</i> , <b>2015</b> , 17, 884-92	12.3	193
705	Important role of Rho-kinase in the pathogenesis of cardiovascular inflammation and remodeling induced by long-term blockade of nitric oxide synthesis in rats. <i>Hypertension</i> , <b>2002</b> , 39, 245-50	8.5	174
704	Early induction of transforming growth factor-beta via angiotensin II type 1 receptors contributes to cardiac fibrosis induced by long-term blockade of nitric oxide synthesis in rats. <i>Hypertension</i> , <b>1998</b> , 32, 273-9	8.5	173
703	Important role of endogenous erythropoietin system in recruitment of endothelial progenitor cells in hypoxia-induced pulmonary hypertension in mice. <i>Circulation</i> , <b>2006</b> , 113, 1442-50	16.7	171
702	Rho-mediated regulation of tight junctions during monocyte migration across the blood-brain barrier in HIV-1 encephalitis (HIVE). <i>Blood</i> , <b>2006</b> , 107, 4770-80	2.2	171
701	Anti-anginal effect of fasudil, a Rho-kinase inhibitor, in patients with stable effort angina: a multicenter study. <i>Journal of Cardiovascular Pharmacology</i> , <b>2002</b> , 40, 751-61	3.1	168
700	Rho-kinase is involved in macrophage-mediated formation of coronary vascular lesions in pigs in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 2351-8	9.4	168
699	Characterization of heart failure patients with mid-range left ventricular ejection fraction-a report from the CHART-2 Study. <i>European Journal of Heart Failure</i> , <b>2017</b> , 19, 1258-1269	12.3	167
698	Rho kinase inhibition by fasudil ameliorates diabetes-induced microvascular damage. <i>Diabetes</i> , <b>2009</b> , 58, 215-26	0.9	161
697	Pitavastatin enhanced BMP-2 and osteocalcin expression by inhibition of Rho-associated kinase in human osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 287, 337-42	3.4	161
696	Trend of westernization of etiology and clinical characteristics of heart failure patients in Japan--first report from the CHART-2 study. <i>Circulation Journal</i> , <b>2011</b> , 75, 823-33	2.9	160
695	Rho-kinase mediates angiotensin II-induced monocyte chemoattractant protein-1 expression in rat vascular smooth muscle cells. <i>Hypertension</i> , <b>2001</b> , 38, 100-4	8.5	160
694	Fish oil and omega-3 fatty acids in cardiovascular disease: do they really work?. <i>European Heart Journal</i> , <b>2012</b> , 33, 436-43	9.5	159
693	Important role of erythropoietin receptor to promote VEGF expression and angiogenesis in peripheral ischemia in mice. <i>Circulation Research</i> , <b>2007</b> , 100, 662-9	15.7	158
692	Rho-kinase inhibition with intracoronary fasudil prevents myocardial ischemia in patients with coronary microvascular spasm. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 15-9	15.1	156
691	Epidemiology of heart failure in Asia. <i>Circulation Journal</i> , <b>2013</b> , 77, 2209-17	2.9	153
690	Hydrogen peroxide, an endogenous endothelium-derived hyperpolarizing factor, plays an important role in coronary autoregulation in vivo. <i>Circulation</i> , <b>2003</b> , 107, 1040-5	16.7	153

689	The Great East Japan Earthquake Disaster and cardiovascular diseases. <i>European Heart Journal</i> , <b>2012</b> , 33, 2796-803	9.5	151
688	Trends in acute myocardial infarction incidence and mortality over 30 years in Japan: report from the MIYAGI-AMI Registry Study. <i>Circulation Journal</i> , <b>2010</b> , 74, 93-100	2.9	149
687	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> , <b>2000</b> , 101, 305-10	16.7	149
686	JCS 2018 Guideline on Diagnosis and Treatment of Acute Coronary Syndrome. <i>Circulation Journal</i> , <b>2019</b> , 83, 1085-1196	2.9	149
685	Extracorporeal cardiac shock wave therapy ameliorates myocardial ischemia in patients with severe coronary artery disease. <i>Coronary Artery Disease</i> , <b>2006</b> , 17, 63-70	1.4	147
684	Overexpression of eNOS in the RVLM Causes Hypotension and Bradycardia Via GABA Release. <i>Hypertension</i> , <b>2001</b> , 38, 896-901	8.5	146
683	Chronic inhibition of nitric oxide synthesis causes coronary microvascular remodeling in rats. <i>Hypertension</i> , <b>1995</b> , 26, 957-62	8.5	141
682	Electron spin resonance detection of hydrogen peroxide as an endothelium-derived hyperpolarizing factor in porcine coronary microvessels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 1224-30	9.4	140
681	Clinical implications of provocation tests for coronary artery spasm: safety, arrhythmic complications, and prognostic impact: multicentre registry study of the Japanese Coronary Spasm Association. <i>European Heart Journal</i> , <b>2013</b> , 34, 258-67	9.5	138
680	Cellular and molecular mechanisms of coronary artery spasm: lessons from animal models. <i>Japanese Circulation Journal</i> , <b>2000</b> , 64, 1-12		138
679	Fabrication of endothelial progenitor cell (EPC)-seeded intravascular stent devices and in vitro endothelialization on hybrid vascular tissue. <i>Biomaterials</i> , <b>2003</b> , 24, 2295-302	15.6	136
678	Role of TGF-beta in proliferative vitreoretinal diseases and ROCK as a therapeutic target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17504-9	11.5	132
677	2014 Williams Harvey Lecture: importance of coronary vasomotion abnormalities-from bench to bedside. <i>European Heart Journal</i> , <b>2014</b> , 35, 3180-93	9.5	131
676	Evidence for Rho-kinase activation in patients with pulmonary arterial hypertension. <i>Circulation Journal</i> , <b>2009</b> , 73, 1731-9	2.9	131
675	Inflammatory stimuli upregulate Rho-kinase in human coronary vascular smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2004</b> , 37, 537-46	5.8	130
674	Acute vasodilator effects of inhaled fasudil, a specific Rho-kinase inhibitor, in patients with pulmonary arterial hypertension. <i>Heart and Vessels</i> , <b>2010</b> , 25, 144-9	2.1	126
673	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> , <b>2001</b> , 21, 868-73	9.4	126
672	Clinical characteristics and long-term prognosis of vasospastic angina patients who survived out-of-hospital cardiac arrest: multicenter registry study of the Japanese Coronary Spasm Association. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2011</b> , 4, 295-302	6.4	125

671	Spontaneous myocardial infarction in mice lacking all nitric oxide synthase isoforms. <i>Circulation</i> , <b>2008</b> , 117, 2211-23	16.7	120
670	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> , <b>2005</b> , 102, 10616-21	11.5	120
669	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> , <b>1998</b> , 32, 780-6	15.1	115
668	Coronary microvascular spasm causes myocardial ischemia in patients with vasospastic angina. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 847-51	15.1	115
667	Pivotal role of Cu,Zn-superoxide dismutase in endothelium-dependent hyperpolarization. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1871-1879	15.9	115
666	Double-blind, placebo-controlled clinical trial with a rho-kinase inhibitor in pulmonary arterial hypertension. <i>Circulation Journal</i> , <b>2013</b> , 77, 2619-25	2.9	114
665	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> , <b>2001</b> , 21, 1896-901	9.4	114
664	Chronic angiotensin-converting enzyme inhibition and angiotensin II type 1 receptor blockade: effects on cardiovascular remodeling in rats induced by the long-term blockade of nitric oxide synthesis. <i>Hypertension</i> , <b>1997</b> , 30, 1621-7	8.5	113
663	Prostacyclin releases endothelium-derived relaxing factor and potentiates its action in coronary arteries of the pig. <i>British Journal of Pharmacology</i> , <b>1988</b> , 95, 1197-203	8.6	111
662	Crucial role of nitric oxide synthases system in endothelium-dependent hyperpolarization in mice. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 2053-63	16.6	110
661	Rho-kinase inhibitor improves increased vascular resistance and impaired vasodilation of the forearm in patients with heart failure. <i>Circulation</i> , <b>2005</b> , 111, 2741-7	16.7	109
660	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> , <b>1999</b> , 33, 633-40	3.1	109
659	Prognostic impact of myocardial interstitial fibrosis in non-ischemic heart failure. -Comparison between preserved and reduced ejection fraction heart failure.-. <i>Circulation Journal</i> , <b>2011</b> , 75, 2605-13	2.9	107
658	Cardiac angiotensin II receptors are upregulated by long-term inhibition of nitric oxide synthesis in rats. <i>Circulation Research</i> , <b>1998</b> , 83, 743-51	15.7	107
657	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in animals and humans. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2005</b> , 39, 725-32	5.8	106
656	Long-term inhibition of Rho-kinase ameliorates hypoxia-induced pulmonary hypertension in mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2006</b> , 48, 280-5	3.1	106
655	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> , <b>2010</b> , 74, 589-91	2.9	104
654	MRI of cardiac sarcoidosis: basal and subepicardial localization of myocardial lesions and their effect on left ventricular function. <i>American Journal of Roentgenology</i> , <b>2008</b> , 191, 862-9	5.4	104

653	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> , <b>1988</b> , 18, 331-49	3.2	103
652	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> , <b>2004</b> , 24, 181-6	9.4	101
651	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> , <b>1998</b> , 18, 1456-64	9.4	101
650	Prognostic stratification of patients with vasospastic angina: a comprehensive clinical risk score developed by the Japanese Coronary Spasm Association. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 1144-53	15.1	100
649	SLCO4C1 transporter eliminates uremic toxins and attenuates hypertension and renal inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2009</b> , 20, 2546-55	12.7	97
648	Enhanced myosin light chain phosphorylations as a central mechanism for coronary artery spasm in a swine model with interleukin-1beta. <i>Circulation</i> , <b>1997</b> , 96, 4357-63	16.7	97
647	Overexpression of inducible nitric oxide synthase in rostral ventrolateral medulla causes hypertension and sympathoexcitation via an increase in oxidative stress. <i>Circulation Research</i> , <b>2005</b> , 96, 252-60	15.7	96
646	High-Dose Versus Low-Dose Pitavastatin in Japanese Patients With Stable Coronary Artery Disease (REAL-CAD): A Randomized Superiority Trial. <i>Circulation</i> , <b>2018</b> , 137, 1997-2009	16.7	95
645	Hydrogen peroxide as an endothelium-derived hyperpolarizing factor. <i>Pharmacological Research</i> , <b>2004</b> , 49, 543-9	10.2	94
644	Overexpression of eNOS in NTS causes hypotension and bradycardia in vivo. <i>Hypertension</i> , <b>2000</b> , 36, 1028-33	8.5	94
643	Pathogenic role of oxidative stress in vascular angiotensin-converting enzyme activation in long-term blockade of nitric oxide synthesis in rats. <i>Hypertension</i> , <b>1999</b> , 34, 546-51	8.5	94
642	Negative feedback regulation of lipopolysaccharide-induced inducible nitric oxide synthase gene expression by heme oxygenase-1 induction in macrophages. <i>Molecular Immunology</i> , <b>2008</b> , 45, 2106-15	4.3	91
641	Hydrogen peroxide as an endothelium-derived hyperpolarizing factor. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2010</b> , 459, 915-22	4.6	90
640	Transforming growth factor-beta2 and connective tissue growth factor in proliferative vitreoretinal diseases: possible involvement of hyalocytes and therapeutic potential of Rho kinase inhibitor. <i>Diabetes</i> , <b>2007</b> , 56, 231-8	0.9	90
639	Development of genetically engineered mice lacking all three nitric oxide synthases. <i>Journal of Pharmacological Sciences</i> , <b>2006</b> , 102, 147-54	3.7	89
638	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> , <b>2017</b> , 38, 3152-3159	9.5	88
637	Protein kinase A as another mediator of ischemic preconditioning independent of protein kinase C. <i>Circulation</i> , <b>2004</b> , 110, 51-7	16.7	88
636	Rho/Rho-kinase pathway in brain stem contributes to blood pressure regulation via sympathetic nervous system: possible involvement in neural mechanisms of hypertension. <i>Circulation Research</i> , <b>2003</b> , 92, 1337-43	15.7	88

635	Role of monocyte chemoattractant protein-1 in cardiovascular remodeling induced by chronic blockade of nitric oxide synthesis. <i>Circulation</i> , <b>2000</b> , 102, 2243-8	16.7	88
634	Coronary Adventitial and Perivascular Adipose Tissue Inflammation in Patients With Vasospastic Angina. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 414-425	15.1	87
633	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> , <b>2001</b> , 21, 548-54	9.4	86
632	Vasculoprotective roles of neuronal nitric oxide synthase. <i>FASEB Journal</i> , <b>2002</b> , 16, 1994-6	0.9	86
631	Coronary artery spasm induced in miniature swine: angiographic evidence and relation to coronary atherosclerosis. <i>American Heart Journal</i> , <b>1985</b> , 110, 300-10	4.9	86
630	Crucial role of ROCK2 in vascular smooth muscle cells for hypoxia-induced pulmonary hypertension in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2780-91	9.4	85
629	Coronary perivascular fibrosis is associated with impairment of coronary blood flow in patients with non-ischemic heart failure. <i>Journal of Cardiology</i> , <b>2012</b> , 60, 416-21	3	84
628	Cardiovascular effects of overexpression of endothelial nitric oxide synthase in the rostral ventrolateral medulla in stroke-prone spontaneously hypertensive rats. <i>Hypertension</i> , <b>2002</b> , 39, 264-8	8.5	82
627	Inhibition of renin-angiotensin system ameliorates endothelial dysfunction associated with aging in rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1445-50	9.4	82
626	The parallel tales of microvascular angina and heart failure with preserved ejection fraction: a paradigm shift. <i>European Heart Journal</i> , <b>2017</b> , 38, 473-477	9.5	81
625	Hypercholesterolemia causes generalized impairment of endothelium-dependent relaxation to aggregating platelets in porcine arteries. <i>Journal of the American College of Cardiology</i> , <b>1989</b> , 13, 1402-8 <sup>15.1</sup>	15.1	80
624	Caveolin-1 is a critical determinant of autophagy, metabolic switching, and oxidative stress in vascular endothelium. <i>PLoS ONE</i> , <b>2014</b> , 9, e87871	3.7	79
623	Sex in basic research: concepts in the cardiovascular field. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 711-724	9.9	77
622	Cyclophilin A: promising new target in cardiovascular therapy. <i>Circulation Journal</i> , <b>2010</b> , 74, 2249-56	2.9	77
621	Endogenous erythropoietin system in non-hematopoietic lineage cells plays a protective role in myocardial ischemia/reperfusion. <i>Cardiovascular Research</i> , <b>2006</b> , 71, 466-77	9.9	75
620	Fasudil, a Rho-kinase inhibitor, attenuates glomerulosclerosis in Dahl salt-sensitive rats. <i>Journal of Hypertension</i> , <b>2004</b> , 22, 1787-96	1.9	75
619	Fulminant Versus Acute Nonfulminant Myocarditis in Patients With Left Ventricular Systolic Dysfunction. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 299-311	15.1	74
618	Prognostic impact of nutritional status in asymptomatic patients with cardiac diseases: a report from the CHART-2 Study. <i>Circulation Journal</i> , <b>2013</b> , 77, 2318-26	2.9	74



617	Extracorporeal cardiac shock wave therapy improves left ventricular remodeling after acute myocardial infarction in pigs. <i>Coronary Artery Disease</i> , <b>2007</b> , 18, 397-404	1.4	74
616	Evidence for protein kinase C-mediated activation of Rho-kinase in a porcine model of coronary artery spasm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 2209-14	9.4	74
615	Protective Roles of Endothelial AMP-Activated Protein Kinase Against Hypoxia-Induced Pulmonary Hypertension in Mice. <i>Circulation Research</i> , <b>2016</b> , 119, 197-209	15.7	74
614	Protective role of endogenous erythropoietin system in nonhematopoietic cells against pressure overload-induced left ventricular dysfunction in mice. <i>Circulation</i> , <b>2007</b> , 115, 2022-32	16.7	73
613	Increased activity of nuclear factor-kappaB participates in cardiovascular remodeling induced by chronic inhibition of nitric oxide synthesis in rats. <i>Circulation</i> , <b>2000</b> , 102, 806-12	16.7	73
612	Chronic kidney disease and heart failure--Bidirectional close link and common therapeutic goal. <i>Journal of Cardiology</i> , <b>2011</b> , 57, 8-17	3	72
611	Extracorporeal shock wave therapy as a new and non-invasive angiogenic strategy. <i>Tohoku Journal of Experimental Medicine</i> , <b>2009</b> , 219, 1-9	2.4	72
610	Role of coronary vasoconstriction in ischemic heart disease and search for novel therapeutic targets. <i>Circulation Journal</i> , <b>2009</b> , 73, 394-403	2.9	72
609	Myocardial ischemia: current concepts and future perspectives. <i>Journal of Cardiology</i> , <b>2008</b> , 52, 67-78	3	72
608	Tetrahydrobiopterin improves endothelial dysfunction in coronary microcirculation in patients without epicardial coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 38, 493-8 <sup>15.1</sup>	15.1	72
607	Evidence for brain activation in patients with takotsubo cardiomyopathy. <i>Circulation Journal</i> , <b>2014</b> , 78, 256-8	2.9	70
606	Statin ameliorates hypoxia-induced pulmonary hypertension associated with down-regulated stromal cell-derived factor-1. <i>Cardiovascular Research</i> , <b>2009</b> , 81, 226-34	9.9	70
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