

# Hiroaki Shimokawa

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1079309/hiroaki-shimokawa-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Isolated cardiac sarcoidosis associated with coronary vasomotion abnormalities: a case report. <i>European Heart Journal - Case Reports</i> , <b>2022</b> , 6,	0.9	1
741	A proteomic surrogate for cardiovascular outcomes that is sensitive to multiple mechanisms of change in risk.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabj9625	17.5	3
740	Systemic-pulmonary collateral supply associated with clinical severity of chronic thromboembolic pulmonary hypertension: a study using intra-aortic computed tomography angiography.. <i>European Radiology</i> , <b>2022</b> , 1	8	
739	Advanced Noninvasive Imaging to Guide Balloon Pulmonary Angioplasty <b>2022</b> , 71-79		
738	Spontaneous pulmonary emphysema in mice lacking all three nitric oxide synthase isoforms. <i>Scientific Reports</i> , <b>2021</b> , 11, 22088	4.9	0
737	Endothelium in Coronary Macro- and Microvascular Diseases. <i>Journal of Cardiovascular Pharmacology</i> , <b>2021</b> , 78,	3.1	3
736	Reversible increase in stress-associated neurobiological activity in the acute phase of Takotsubo syndrome; a brain F-FDG-PET study. <i>International Journal of Cardiology</i> , <b>2021</b> , 344, 31-33	3.2	0
735	Insights to advance our management of myocardial ischemia: From obstructive epicardial disease to functional coronary alterations. <i>American Heart Journal Plus</i> , <b>2021</b> , 11, 100060		
734	Prognostic impacts of serum uric acid levels in patients with chronic heart failure: insights from the CHART-2 study. <i>ESC Heart Failure</i> , <b>2021</b> , 8, 1027-1038	3.7	3
733	Diagnosis of Coronary Microvascular Dysfunction <b>2021</b> , 119-137		
732	Treatment of Coronary Microvascular Dysfunction <b>2021</b> , 139-155		
731	Epidemiology of Vasospastic Angina <b>2021</b> , 3-19		
730	Diagnosis of Coronary Artery Spasm <b>2021</b> , 39-57		
729	Epidemiology of Coronary Microvascular Dysfunction <b>2021</b> , 79-95		
728	Treatment of Coronary Artery Spasm <b>2021</b> , 59-76		
727	Pathophysiology of Coronary Microvascular Dysfunction <b>2021</b> , 97-118		
726	Pathophysiology and Molecular Mechanisms of Coronary Artery Spasm <b>2021</b> , 21-37		

725	Prognostic Links Between OCT-Delineated Coronary Morphologies and Coronary Functional Abnormalities in Patients With INOCA. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 606-618	5	6
724	YAP plays a crucial role in the development of cardiomyopathy in lysosomal storage diseases. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	10
723	Role of Inflammation in Coronary Epicardial and Microvascular Dysfunction. <i>European Cardiology Review</i> , <b>2021</b> , 16, e13	3.9	5
722	Identification of Celastrol as a Novel Therapeutic Agent for Pulmonary Arterial Hypertension and Right Ventricular Failure Through Suppression of Bsg (Basigin)/CyPA (Cyclophilin A). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1205-1217	9.4	6
721	Ischemic stroke, hemorrhage, and mortality in patients with non-valvular atrial fibrillation and renal dysfunction treated with rivaroxaban: sub-analysis of the EXPAND study. <i>Heart and Vessels</i> , <b>2021</b> , 36, 1410-1420	2.1	4
720	Clinical characteristics and prognosis of patients with microvascular angina: an international and prospective cohort study by the Coronary Vasomotor Disorders International Study (COVADIS) Group. <i>European Heart Journal</i> , <b>2021</b> , 42, 4592-4600	9.5	17
719	Detection of intracellular histological abnormalities using cardiac magnetic resonance T1 mapping in patients with Danon disease: a case series. <i>European Heart Journal - Case Reports</i> , <b>2021</b> , 5, ytab145	0.9	1
718	Coronary Microvascular Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1625-1637	9.4	6
717	Post-discharge arrhythmic risk stratification of patients with acute myocarditis and life-threatening ventricular tachyarrhythmias. <i>European Journal of Heart Failure</i> , <b>2021</b> ,	12.3	4
716	Impacts of sinus rhythm maintenance with catheter ablation on exercise tolerance in patients with paroxysmal atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2021</b> , 61, 105-113	2.4	1
715	Low-intensity pulsed ultrasound ameliorates cardiac diastolic dysfunction in mice: a possible novel therapy for heart failure with preserved left ventricular ejection fraction. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1325-1338	9.9	7
714	Assessment of coronary vasomotor responses to acetylcholine in German and Japanese patients with epicardial coronary spasm-more similarities than differences?. <i>Heart and Vessels</i> , <b>2021</b> , 36, 337-344	2.1	3
713	Beneficial effects of exercise training on physical performance in patients with vasospastic angina. <i>International Journal of Cardiology</i> , <b>2021</b> , 328, 14-21	3.2	3
712	Prognostic Impacts of Comorbid Significant Coronary Stenosis and Coronary Artery Spasm in Patients With Stable Coronary Artery Disease. <i>Journal of the American Heart Association</i> , <b>2021</b> , e017831	6	4
711	Patients With and Gene Variants Experienced Higher Incidence of Cardiovascular Outcomes in Heterozygous Familial Hypercholesterolemia. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e018263	6	4
710	Low-intensity pulsed ultrasound therapy promotes recovery from stroke by enhancing angio-neurogenesis in mice in vivo. <i>Scientific Reports</i> , <b>2021</b> , 11, 4958	4.9	2
709	Oncostatin M is a novel biomarker for coronary artery disease - A possibility as a screening tool of silent myocardial ischemia for diabetes mellitus. <i>IJC Heart and Vasculature</i> , <b>2021</b> , 35, 100829	2.4	0
708	The 2020 Olympic/Paralympic Games and Covid-19 in Japan. <i>European Heart Journal</i> , <b>2021</b> , 42, 3895-3896	5	

707	Low-intensity pulsed ultrasound therapy suppresses coronary adventitial inflammatory changes and hyperconstricting responses after coronary stent implantation in pigs in vivo. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257175	3.7	0
706	Pathophysiology and Diagnosis of Coronary Functional Abnormalities. <i>European Cardiology Review</i> , <b>2021</b> , 16, e30	3.9	0
705	Relation of renal function to mid-term prognosis of stable angina patients with high- or low-dose pitavastatin treatment: REAL-CAD substudy. <i>American Heart Journal</i> , <b>2021</b> , 240, 89-100	4.9	0
704	A case of vasospastic angina with exertional sign.. <i>Journal of Cardiology Cases</i> , <b>2021</b> , 24, 199-202	0.6	
703	Latest Findings of Ultrasonic Angiogenesis Therapy. <i>The Journal of Japanese College of Angiology</i> , <b>2021</b> , 61, 131-137	0	
702	Native Valve Endocarditis due to <i>Staphylococcus warneri</i> Developing in a Patient with Type 1 Diabetes. <i>Internal Medicine</i> , <b>2020</b> , 59, 2269-2274	1.1	7
701	The impact of antiplatelet therapy on patients with vasospastic angina: A multicenter registry study of the Japanese Coronary Spasm Association. <i>IJC Heart and Vasculature</i> , <b>2020</b> , 29, 100561	2.4	1
700	Successful Treatment of Pulmonary Arterial Hypertension in Systemic Sclerosis with Anticentriole Antibody. <i>Case Reports in Rheumatology</i> , <b>2020</b> , 2020, 1926908	0.8	
699	Clinical characteristics and prognostic factors in elderly patients with chronic heart failure -A report from the CHART-2 study. <i>IJC Heart and Vasculature</i> , <b>2020</b> , 27, 100497	2.4	5
698	Prognostic impacts of dynamic cardiac structural changes in heart failure patients with preserved left ventricular ejection fraction. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 2258-2268	12.3	6
697	Cardiac Resynchronization Therapy for Improving Non-Uniform Thickening of Left Ventricular Wall: Assessment by Quantitative Gated Myocardial Perfusion SPECT. <i>Tohoku Journal of Experimental Medicine</i> , <b>2020</b> , 251, 69-79	2.4	
696	Commentary - The ISCHEMIA trial. <i>International Journal of Cardiology</i> , <b>2020</b> , 304, 1-4	3.2	4
695	Temporal changes in left ventricular ejection fraction and their prognostic impacts in patients with Stage B heart failure. <i>International Journal of Cardiology</i> , <b>2020</b> , 306, 123-132	3.2	0
694	Reactive oxygen species in cardiovascular health and disease: special references to nitric oxide, hydrogen peroxide, and Rho-kinase. <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2020</b> , 66, 83-91	3.1	15
693	Low-energy extracorporeal shock wave therapy promotes BDNF expression and improves functional recovery after spinal cord injury in rats. <i>Experimental Neurology</i> , <b>2020</b> , 328, 113251	5.7	8
692	Impacts of hippocampal blood flow on changes in left ventricular wall thickness in patients with chronic heart failure. <i>International Journal of Cardiology</i> , <b>2020</b> , 310, 103-107	3.2	2
691	Low-energy extracorporeal shock wave therapy for a model of liver cirrhosis ameliorates liver fibrosis and liver function. <i>Scientific Reports</i> , <b>2020</b> , 10, 2405	4.9	5
690	Viral genome search in myocardium of patients with fulminant myocarditis. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 1277-1280	12.3	14

689	Development of Novel Therapies for Pulmonary Hypertension by Clinical Application of Basic Research <b>2020</b> , 125-129		
688	Therapeutic Angiogenesis with Sound Waves. <i>Annals of Vascular Diseases</i> , <b>2020</b> , 13, 116-125	0.9	4
687	International prospective cohort study of microvascular angina - Rationale and design. <i>IJC Heart and Vasculature</i> , <b>2020</b> , 31, 100630	2.4	2
686	Three cases of pulmonary tumor thrombotic microangiopathy (PTTM): Challenge in antemortem diagnosis using lung perfusion blood volume images by dual-energy computed tomography. <i>European Journal of Radiology Open</i> , <b>2020</b> , 7, 100212	2.6	1
685	Temporal trends in the prevalence and outcomes of geriatric patients with acute myocardial infarction in Japan-A report from the Miyagi AMI Registry Study. <i>Journal of Cardiology</i> , <b>2020</b> , 75, 465-472 <sup>3</sup>		4
684	Factors limiting habitual exercise in patients with chronic heart failure: a multicenter prospective cohort study. <i>Heart and Vessels</i> , <b>2020</b> , 35, 655-664	2.1	1
683	Cyclophilin A as a biomarker for the therapeutic effect of balloon angioplasty in chronic thromboembolic pulmonary hypertension. <i>Journal of Cardiology</i> , <b>2020</b> , 75, 415-423	3	2
682	Current status of long-term prognosis among all subtypes of pulmonary hypertension in Japan. <i>International Journal of Cardiology</i> , <b>2020</b> , 300, 228-235	3.2	8
681	Important Roles of Endothelium-Dependent Hyperpolarization in Coronary Microcirculation and Cardiac Diastolic Function in Mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2020</b> , 75, 31-40	3.1	7
680	Nitric oxide and endothelium-dependent hyperpolarization mediated by hydrogen peroxide in health and disease. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2020</b> , 127, 92-101	3.1	17
679	Clinical benefits and risks of antithrombotic therapy in patients with atrial fibrillation with comorbidities - A report from the CHART-2 Study. <i>International Journal of Cardiology</i> , <b>2020</b> , 299, 160-168 <sup>3,2</sup>		1
678	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> , <b>2020</b> , 295, 69-82	5.4	56
677	4D-flow MRI assessment of blood flow before and after endovascular intervention in a patient with pulmonary hypertension due to isolated pulmonary artery involvement in large vessel vasculitis. <i>Radiology Case Reports</i> , <b>2020</b> , 15, 190-194	1	2
676	Recent Advances in Vascular Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, e313-e321	3.4	4
675	Assessment of Vascular Dysfunction in Patients Without Obstructive Coronary Artery Disease: Why, How, and When. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 1847-1864	5	37
674	Beneficial effects of riociguat on hemodynamic responses to exercise in CTEPH patients after balloon pulmonary angioplasty - A randomized controlled study. <i>IJC Heart and Vasculature</i> , <b>2020</b> , 29, 100579	2.4	2
673	Risk of de-novo heart failure and competing risk in asymptomatic patients with structural heart diseases. <i>International Journal of Cardiology</i> , <b>2020</b> , 307, 87-93	3.2	2
672	Identification of the Novel Variants in Patients With Chronic Thromboembolic Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e015902	6	5

671	A case of recurrent takotsubo-like cardiomyopathy associated with pheochromocytoma exhibiting different patterns of left ventricular wall motion abnormality and coronary vasospasm: a case report. <i>European Heart Journal - Case Reports</i> , <b>2020</b> , 4, 1-5	0.9	1
670	Gender Differences in Endothelial Function and Coronary Vasomotion Abnormalities <b>2020</b> , 4, 247028972095701		
669	Different characteristics of postoperative atrial tachyarrhythmias between congenital and non-congenital heart disease. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2020</b> , 58, 1-8	2.4	1
668	Treadmill exercise prevents reduction of bone mineral density after myocardial infarction in apolipoprotein E-deficient mice. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 28-35	3.9	2
667	Disappearance of Angiodysplasia Following Transcatheter Aortic Valve Implantation in a Patient with Heydeß Syndrome: A Case Report and Review of the Literature. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2020</b> , 27, 271-277	4	9
666	Prognosis and risk stratification in cardiac sarcoidosis patients with preserved left ventricular ejection fraction. <i>Journal of Cardiology</i> , <b>2020</b> , 75, 34-41	3	8
665	Non-invasive screening using ventilatory gas analysis to distinguish between chronic thromboembolic pulmonary hypertension and pulmonary arterial hypertension. <i>Respirology</i> , <b>2020</b> , 25, 427-434	3.6	2
664	Marked Impairment of Endothelium-Dependent Digital Vasodilatations in Patients With Microvascular Angina: Evidence for Systemic Small Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1400-1412	9.4	11
663	Identification of Emetine as a Therapeutic Agent for Pulmonary Arterial Hypertension: Novel Effects of an Old Drug. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 2367-2385	9.4	16
662	Response by Kikuchi et al Regarding Article, "Selenoprotein P Promotes the Development of Pulmonary Arterial Hypertension: A Possible Novel Therapeutic Target". <i>Circulation</i> , <b>2019</b> , 139, 724-725	16.7	6
661	Beneficial Effects of Imatinib in a Patient with Suspected Pulmonary Veno-Occlusive Disease. <i>Tohoku Journal of Experimental Medicine</i> , <b>2019</b> , 247, 69-73	2.4	7
660	Identification of Celastramycin as a Novel Therapeutic Agent for Pulmonary Arterial Hypertension. <i>Circulation Research</i> , <b>2019</b> , 125, 309-327	15.7	20
659	Clinical risk factors of stroke and major bleeding in patients with non-valvular atrial fibrillation under rivaroxaban: the EXPAND Study sub-analysis. <i>Heart and Vessels</i> , <b>2019</b> , 34, 1839-1851	2.1	12
658	Recent Advances in the Understanding of Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, e159-e165	9.4	9
657	Characteristics of ventricular tachycardia and long-term treatment outcome in patients with dilated cardiomyopathy complicated by lamin A/C gene mutations. <i>Journal of Cardiology</i> , <b>2019</b> , 74, 451-459	3	5
656	Increased risk of cancer death in patients with chronic heart failure with a special reference to inflammation-A report from the CHART-2 Study. <i>International Journal of Cardiology</i> , <b>2019</b> , 290, 106-112	3.2	9
655	Micro-Optical Coherence Tomography for Endothelial Cell Visualization in the Coronary Arteries. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1878-1880	8.4	12
654	Risk factors and localization of silent cerebral infarction in patients with atrial fibrillation. <i>Heart Rhythm</i> , <b>2019</b> , 16, 1305-1313	6.7	6



653	Cardiac Lymphatic Dysfunction Causes Drug-Eluting Stent-Induced Coronary Hyperconstricting Responses in Pigs In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 741-753	9.4	8
652	Elevated Serum Non-HDL (High-Density Lipoprotein) Cholesterol and Triglyceride Levels as Residual Risks for Myocardial Infarction Recurrence Under Statin Treatment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 934-944	9.4	11
651	Guidelines for the Treatment of Pulmonary Hypertension (JCS 2017/JPCPHS 2017). <i>Circulation Journal</i> , <b>2019</b> , 83, 842-945	2.9	67
650	Important roles of endothelial caveolin-1 in endothelium-dependent hyperpolarization and ischemic angiogenesis in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H900-H910	5.2	7
649	A multicenter trial of extracorporeal cardiac shock wave therapy for refractory angina pectoris: report of the highly advanced medical treatment in Japan. <i>Heart and Vessels</i> , <b>2019</b> , 34, 104-113	2.1	9
648	Primary and secondary prevention of stroke and systemic embolism with rivaroxaban in patients with non-valvular atrial fibrillation : Sub-analysis of the EXPAND Study. <i>Heart and Vessels</i> , <b>2019</b> , 34, 141-150	2.1	3
647	Efficacy and Safety of Ivabradine in Japanese Patients With Chronic Heart Failure - J-SHIFT Study. <i>Circulation Journal</i> , <b>2019</b> , 83, 2049-2060	2.9	32
646	Association between temporal changes in C-reactive protein levels and prognosis in patients with previous myocardial infarction - A report from the CHART-2 Study. <i>International Journal of Cardiology</i> , <b>2019</b> , 293, 17-24	3.2	3
645	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
644	Diabetes care providers manual for disaster diabetes care. <i>Diabetology International</i> , <b>2019</b> , 10, 153-179	2.3	2
643	Diabetes Care Providers Manual for Disaster Diabetes Care. <i>Journal of Diabetes Investigation</i> , <b>2019</b> , 10, 1118-1142	3.9	4
642	Usefulness of ventilatory gas analysis for the non-invasive evaluation of the severity of chronic thromboembolic pulmonary hypertension. <i>International Journal of Cardiology</i> , <b>2019</b> , 296, 149-154	3.2	2
641	Successful Management of Acute Congestive Heart Failure by Emergent Caesarean Section Followed by Adrenalectomy in a Pregnant Woman with Cushing Syndrome-induced Cardiomyopathy. <i>Internal Medicine</i> , <b>2019</b> , 58, 2819-2824	1.1	1
640	Usefulness of intracoronary administration of fasudil, a selective Rho-kinase inhibitor, for PCI-related refractory myocardial ischemia. <i>International Journal of Cardiology</i> , <b>2019</b> , 297, 8-13	3.2	8
639	Yes-Associated Protein (YAP) Facilitates Pressure Overload-Induced Dysfunction in the Diabetic Heart. <i>JACC Basic To Translational Science</i> , <b>2019</b> , 4, 611-622	8.7	13
638	ADAMTS8 Promotes the Development of Pulmonary Arterial Hypertension and Right Ventricular Failure: A Possible Novel Therapeutic Target. <i>Circulation Research</i> , <b>2019</b> , 125, 884-906	15.7	26
637	Impaired glucose tolerance and albuminuria in patients with chronic heart failure: a subanalysis of the SUPPORT trial. <i>ESC Heart Failure</i> , <b>2019</b> , 6, 1252-1261	3.7	4
636	Diagnostic and Prognostic Significance of Serum Levels of SeP (Selenoprotein P) in Patients With Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 2553-2562	9.4	6

635	Coronary Functional Abnormalities in Patients With Angina and Nonobstructive Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 2350-2360	15.1	63
634	Tribute to Paul M. Vanhoutte, MD, PhD - 1940-2019. <i>Circulation Journal</i> , <b>2019</b> , 83, 2391-2393	2.9	
633	JCS 2018 Guideline on Diagnosis and Treatment of Acute Coronary Syndrome. <i>Circulation Journal</i> , <b>2019</b> , 83, 1085-1196	2.9	149
632	Clinical Characteristics and In-Hospital Mortality According to Left Main and Non-Left Main Culprit Lesions - Report From the Japan Acute Myocardial Infarction Registry (JAMIR). <i>Circulation Reports</i> , <b>2019</b> , 1, 601-609	0.7	4
631	Coronary Artery Spasm and Perivascular Adipose Tissue Inflammation: Insights From Translational Imaging Research. <i>European Cardiology Review</i> , <b>2019</b> , 14, 6-9	3.9	3
630	Development of Early Diagnosis and Therapeutic Agent for CTEPH Focused on a Novel Pathogenic Protein TAFI. <i>The Journal of Japanese College of Angiology</i> , <b>2019</b> , 59, 61-67	0	
629	4. The Second and the Third Types of Angina: Vasospastic Angina and Microvascular Angina. <i>The Journal of the Japanese Society of Internal Medicine</i> , <b>2019</b> , 108, 1883-1889	0	
628	Clinical characteristics and long-term prognosis of contemporary patients with vasospastic angina: Ethnic differences detected in an international comparative study. <i>International Journal of Cardiology</i> , <b>2019</b> , 291, 13-18	3.2	17
627	Prognostic value of the model for end-stage liver disease excluding INR score (MELD-XI) in patients with adult congenital heart disease. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225403	3.7	8
626	Identification of Adipsin as a Novel Prognostic Biomarker in Patients With Coronary Artery Disease. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e013716	6	19
625	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
624	Development of a Shock-Wave Catheter Ablation System for Ventricular Tachyarrhythmias: Validation Study in Pigs In Vivo. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e011038	6	2
623	Gender differences in prognostic relevance of self-care behaviors on mortality and hospitalization in patients with heart failure - A report from the CHART-2 Study. <i>Journal of Cardiology</i> , <b>2019</b> , 73, 370-378		7
622	Mechanisms and diagnostic evaluation of persistent or recurrent angina following percutaneous coronary revascularization. <i>European Heart Journal</i> , <b>2019</b> , 40, 2455-2462	9.5	50
621	Conversion formula from B-type natriuretic peptide to N-terminal proBNP values in patients with cardiovascular diseases. <i>International Journal of Cardiology</i> , <b>2019</b> , 280, 184-189	3.2	5
620	Low-energy extracorporeal shock wave ameliorates ischemic acute kidney injury in rats. <i>Clinical and Experimental Nephrology</i> , <b>2019</b> , 23, 597-605	2.5	10
619	Clinical Diversity in Patients with Anderson-fabry Disease with the R301Q Mutation. <i>Internal Medicine</i> , <b>2019</b> , 58, 603-607	1.1	4
618	The 3A3B score: The simple risk score for heart failure with preserved ejection fraction - A report from the CHART-2 Study. <i>International Journal of Cardiology</i> , <b>2019</b> , 284, 42-49	3.2	11



617	Prognostic impact of residual stenosis after percutaneous coronary intervention in patients with ischemic heart failure - A report from the CHART-2 study. <i>International Journal of Cardiology</i> , <b>2019</b> , 278, 22-27	3.2	7
616	Hippo Deficiency Leads to Cardiac Dysfunction Accompanied by Cardiomyocyte Dedifferentiation During Pressure Overload. <i>Circulation Research</i> , <b>2019</b> , 124, 292-305	15.7	41
615	Transition of Left Ventricular Ejection Fraction in Heart Failure. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1067, 5-15	3.6	3
614	Protective Role of Myelocytic Nitric Oxide Synthases against Hypoxic Pulmonary Hypertension in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 198, 232-244	10.2	9
613	Recent Advances in the Development of Cardiovascular Biomarkers. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, e61-e70	9.4	5
612	Selenoprotein P Promotes the Development of Pulmonary Arterial Hypertension: Possible Novel Therapeutic Target. <i>Circulation</i> , <b>2018</b> , 138, 600-623	16.7	46
611	The first multicenter, randomized, controlled trial of home telemonitoring for Japanese patients with heart failure: home telemonitoring study for patients with heart failure (HOMES-HF). <i>Heart and Vessels</i> , <b>2018</b> , 33, 866-876	2.1	28
610	Sex differences in hemodynamic responses and long-term survival to optimal medical therapy in patients with pulmonary arterial hypertension. <i>Heart and Vessels</i> , <b>2018</b> , 33, 939-947	2.1	7
609	The EXPAND study: Efficacy and safety of rivaroxaban in Japanese patients with non-valvular atrial fibrillation. <i>International Journal of Cardiology</i> , <b>2018</b> , 258, 126-132	3.2	35
608	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
607	Prognostic impacts of Rho-kinase activity in circulating leucocytes in patients with vasospastic angina. <i>European Heart Journal</i> , <b>2018</b> , 39, 952-959	9.5	20
606	Structural brain abnormalities and cardiac dysfunction in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 936-938	12.3	4
605	Endothelium-dependent hyperpolarization-mediated vasodilatation compensates nitric oxide-mediated endothelial dysfunction during ischemia in diabetes-induced canine coronary collateral microcirculation in vivo. <i>Microcirculation</i> , <b>2018</b> , 25, e12456	2.9	12
604	Combination Therapy of Renin Angiotensin System Inhibitors and $\beta$ Blockers in Patients with Heart Failure. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1067, 17-30	3.6	6
603	Low-energy cardiac shockwave therapy to suppress left ventricular remodeling in patients with acute myocardial infarction: a first-in-human study. <i>Coronary Artery Disease</i> , <b>2018</b> , 29, 294-300	1.4	9
602	Response to letter from Picich The microvascular network connecting extracardiac arteries to the heart. <i>International Journal of Cardiology</i> , <b>2018</b> , 259, 56	3.2	2
601	Comparable prognostic impact of BNP levels among HFpEF, Borderline HFpEF and HFrEF: a report from the CHART-2 Study. <i>Heart and Vessels</i> , <b>2018</b> , 33, 997-1007	2.1	11
600	Prognostic Impact of Statin Intensity in Heart Failure Patients With Ischemic Heart Disease: A Report From the CHART-2 (Chronic Heart Failure Registry and Analysis in the Tohoku District 2) Study. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	9

599	Stressful medical explanation may cause syncope in patients with emotion-triggered neurocardiogenic syncope. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2018</b> , 41, 96-98	1.6	0
598	International standardization of diagnostic criteria for microvascular angina. <i>International Journal of Cardiology</i> , <b>2018</b> , 250, 16-20	3.2	254
597	Absence of adventitial vasa vasorum formation at the coronary segment with myocardial bridge - An optical coherence tomography study. <i>International Journal of Cardiology</i> , <b>2018</b> , 250, 275-277	3.2	11
596	Nationwide real-world database of 20,462 patients enrolled in the Japanese Acute Myocardial Infarction Registry (JAMIR): Impact of emergency coronary intervention in a super-aging population. <i>IJC Heart and Vasculature</i> , <b>2018</b> , 20, 1-6	2.4	17
595	Important role of endothelium-dependent hyperpolarization in the pulmonary microcirculation in male mice: implications for hypoxia-induced pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H940-H953	5.2	7
594	Effect of heart rate reduction in pulmonary arterial hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H889-H891	5.2	1
593	Different roles of myocardial ROCK1 and ROCK2 in cardiac dysfunction and postcapillary pulmonary hypertension in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E7129-E7138	11.5	46
592	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
591	Clinical determinants of successful weaning from extracorporeal membrane oxygenation in patients with fulminant myocarditis. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 675-684	3.7	28
590	Rationale and Design of Randomized Evaluation of Aggressive or Moderate Lipid Lowering Therapy with Pitavastatin in Coronary Artery Disease (REAL-CAD) Trial. <i>International Heart Journal</i> , <b>2018</b> , 59, 315-320	1.8	6
589	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
588	Reply: New Aspects of Vasospastic Angina: Coronary Adventitial and Perivascular Adipose Tissue Inflammation. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 2709-2710	15.1	1
587	Small GTP-Binding Protein GDP Dissociation Stimulator Prevents Thoracic Aortic Aneurysm Formation and Rupture by Phenotypic Preservation of Aortic Smooth Muscle Cells. <i>Circulation</i> , <b>2018</b> , 138, 2413-2433	16.7	21
586	Ultrasonic detection of decrease in propagation velocity of contraction response due to myocardial ischemia in swine heart wall. <i>Choonpa Igaku</i> , <b>2018</b> , 45, 595-603	0	1
585	RhoA/Rho-kinase in the Cardiovascular System. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, SY84-5	0	
584	Equation of State of Pure Water, Aqueous Solutions of Sodium Chloride, Gelatin Gel, and Glucose Syrup <b>2018</b> , 83-93		
583	Important Role of Endothelial Caveolin-1 in the Protective Role of Endothelium-dependent Hyperpolarization Against Nitric Oxide-Mediated Nitrate Stress in Microcirculation in Mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2018</b> , 71, 113-126	3.1	15
582	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	4.0	43.0

581	Development of a novel shock wave catheter ablation system-A validation study in pigs in vivo. <i>Europace</i> , <b>2018</b> , 20, 1856-1865	3.9	4
580	Sex Differences in Patients With Chronic Heart Failure With Reference to Left Ventricular Ejection Fraction: A Report From the CHART-2 Study <b>2018</b> , 2, 27-42	0.9	1
579	Prognostic Significance of PR Interval Prolongation in Adult Patients With Total Correction of Tetralogy of Fallot. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2018</b> , 11, e006234	6.4	6
578	Identification of Novel Therapeutic Targets for Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12
577	Effects of Hepatitis C Virus Antibody-Positivity on Cardiac Function and Long-Term Prognosis in Patients With Adult Congenital Heart Disease. <i>American Journal of Cardiology</i> , <b>2018</b> , 122, 1965-1971	3	4
576	Life-threatening Hyperkalemia Associated with Axitinib Treatment in Patients with Recurrent Renal Carcinoma. <i>Internal Medicine</i> , <b>2018</b> , 57, 2895-2900	1.1	3
575	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
574	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
573	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> , <b>2018</b> , 11, 959-973	5.1	43
572	Immunosuppressive therapy ameliorates refractory vasospastic angina, severe pulmonary hypertension, and bronchiolitis in a patient with eosinophilic granulomatosis with polyangiitis: a case report. <i>European Heart Journal - Case Reports</i> , <b>2018</b> , 2, yty050	0.9	4
571	Long-term outcomes in patients with rheumatologic disorders undergoing percutaneous coronary intervention: a BAsel Stent Kosten-Effektivit�s Trial-PROspective Validation Examination (BASKET-PROVE) sub-study. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2017</b> , 6, 778-786	4.3	8
570	Rho-Kinase as a Therapeutic Target for Pulmonary Hypertension <b>2017</b> , 67-76		
569	Prognostic Impacts of Plasma Levels of Cyclophilin A in Patients With Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 685-693	9.4	28
568	Crucial roles of nitric oxide synthases in �adrenoceptor-mediated bladder relaxation in mice. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 312, F33-F42	4.3	6
567	Sex in basic research: concepts in the cardiovascular field. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 711-724	9.9	77
566	Heart failure in patients with arrhythmogenic right ventricular cardiomyopathy: What are the risk factors?. <i>International Journal of Cardiology</i> , <b>2017</b> , 241, 288-294	3.2	11
565	Reduced brain-derived neurotrophic factor is associated with cognitive dysfunction in patients with chronic heart failure. <i>Geriatrics and Gerontology International</i> , <b>2017</b> , 17, 852-854	2.9	6
564	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

563	Long-term dietary nitrite and nitrate deficiency causes the metabolic syndrome, endothelial dysfunction and cardiovascular death in mice. <i>Diabetologia</i> , <b>2017</b> , 60, 1138-1151	10.3	53
562	Activated TAFI Promotes the Development of Chronic Thromboembolic Pulmonary Hypertension: A Possible Novel Therapeutic Target. <i>Circulation Research</i> , <b>2017</b> , 120, 1246-1262	15.7	37
561	Current Status of Uterine Leiomyosarcoma in the Tohoku Region: Results of the Tohoku Translational Center Development Network Survey. <i>International Journal of Clinical Oncology</i> , <b>2017</b> , 22, 541-547	4.2	2
560	Divergent roles of endothelial nitric oxide synthases system in maintaining cardiovascular homeostasis. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 109, 4-10	7.8	51
559	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
558	Coronary Artery Ectasia Predicts Future Cardiac Events in Patients With Acute Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 2350-2355	9.4	58
557	International standardization of diagnostic criteria for vasospastic angina. <i>European Heart Journal</i> , <b>2017</b> , 38, 2565-2568	9.5	216
556	Switching Therapy from Intravenous Landiolol to Transdermal Bisoprolol in a Patient with Thyroid Storm Complicated by Decompensated Heart Failure and Gastrointestinal Dysfunction. <i>Internal Medicine</i> , <b>2017</b> , 56, 2603-2609	1.1	4
555	European Society of Cardiology (ESC) Annual Congress Report From Barcelona 2017. <i>Circulation Journal</i> , <b>2017</b> , 81, 1758-1763	2.9	2
554	Sex differences in post-traumatic stress disorder in cardiovascular patients after the Great East Japan Earthquake: a report from the CHART-2 Study. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , <b>2017</b> , 3, 224-233	4.6	7
553	Prognostic Impact of Atrial Fibrillation and New Risk Score of Its Onset in Patients at High Risk of Heart Failure - A Report From the CHART-2 Study. <i>Circulation Journal</i> , <b>2017</b> , 81, 185-194	2.9	14
552	The Efficacy of a Genetic Analysis of the BMPR2 Gene in a Patient with Severe Pulmonary Arterial Hypertension and an Atrial Septal Defect Treated with Bilateral Lung Transplantation. <i>Internal Medicine</i> , <b>2017</b> , 56, 3193-3197	1.1	3
551	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
550	Endothelial Functions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, e108-e114	9.4	195
549	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
548	Antiinflammatory Therapy with Canakinumab for Atherosclerotic Disease. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 1119-1131	59.2	3877
547	Renal Denervation Suppresses Coronary Hyperconstricting Responses After Drug-Eluting Stent Implantation in Pigs In Vivo Through the Kidney-Brain-Heart Axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 1869-1880	9.4	11
546	Long-term prognostic impact of the Great East Japan Earthquake in patients with cardiovascular disease - Report from the CHART-2 Study. <i>Journal of Cardiology</i> , <b>2017</b> , 70, 286-296	3	7

545	Association of Coronary Perivascular Adipose Tissue Inflammation and Drug-Eluting Stent-Induced Coronary Hyperconstricting Responses in Pigs: F-Fluorodeoxyglucose Positron Emission Tomography Imaging Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 1757-1764	9.4	34
544	Ischemic or Nonischemic Functional Mitral Regurgitation and Outcomes in Patients With Acute Decompensated Heart Failure With Preserved or Reduced Ejection Fraction. <i>American Journal of Cardiology</i> , <b>2017</b> , 120, 809-816	3	12
543	Impact of the Intracoronary Rendezvous technique on coronary angioplasty for chronic total occlusion. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2017</b> , 32, 365-373	2.5	2
542	"Impact of epicardial adipose tissue volume quantified by non-contrast electrocardiogram-gated computed tomography on ergonovine-induced epicardial coronary artery spasm". <i>International Journal of Cardiology</i> , <b>2017</b> , 229, 40	3.2	2
541	Ultrasound imaging of propagation of myocardial contraction for non-invasive identification of myocardial ischemia. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 07JF05	1.4	15
540	Age-Specific Trends in the Incidence and In-Hospital Mortality of Acute Myocardial Infarction Over 30 Years in Japan - Report From the Miyagi AMI Registry Study. <i>Circulation Journal</i> , <b>2017</b> , 81, 520-528	2.9	39
539	Diagnosis and Management of Patients with Paroxysmal Sympathetic Hyperactivity following Acute Brain Injuries Using a Consensus-Based Diagnostic Tool: A Single Institutional Case Series. <i>Tohoku Journal of Experimental Medicine</i> , <b>2017</b> , 243, 11-18	2.4	13
538	The Dramatic Recovery of a Patient with Biguanide-associated Severe Lactic Acidosis Following Thiamine Supplementation. <i>Internal Medicine</i> , <b>2017</b> , 56, 455-459	1.1	5
537	Low-intensity pulsed ultrasound enhances angiogenesis and ameliorates contractile dysfunction of pressure-overloaded heart in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185555	3.7	13
536	Viewpoint: Recent Advances in Intracoronary Imaging for Vasa Vasorum Visualisation. <i>European Cardiology Review</i> , <b>2017</b> , 12, 121-123	3.9	6
535	Low-Energy Extracorporeal Shock Wave Therapy <b>2017</b> , 177-190		
534	Plasma concentration of serotonin is a novel biomarker for coronary microvascular dysfunction in patients with suspected angina and unobstructive coronary arteries. <i>European Heart Journal</i> , <b>2017</b> , 38, 489-496	9.5	32
533	Isolated Late Activation Detected by Magnetocardiography Predicts Future Lethal Ventricular Arrhythmic Events in Patients With Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Circulation Journal</i> , <b>2017</b> , 82, 78-86	2.9	5
532	Letter by Bairey Merz et al Regarding Article, "A Shocking Development in a Young Male Athlete With Chest Pain". <i>Circulation</i> , <b>2016</b> , 134, e20-1	16.7	
531	Multiple sclerosis lesion in the medulla oblongata in a patient with takotsubo cardiomyopathy. <i>International Journal of Cardiology</i> , <b>2016</b> , 222, 980-981	3.2	7
530	Respiratory Therapy in Chronic Heart Failure Patients Complicated With Sleep-Disordered Breathing: Potential Study Bias - Reply. <i>Circulation Journal</i> , <b>2016</b> , 80, 1487	2.9	
529	Prognostic Significance of Late Potentials in Outpatients with Type 2 Brugada Electrocardiogram. <i>Tohoku Journal of Experimental Medicine</i> , <b>2016</b> , 240, 191-198	2.4	1
528	Novel Therapeutic Targets of Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, e97-e102	9.4	12



527	Hippocampal Blood Flow Abnormality Associated With Depressive Symptoms and Cognitive Impairment in Patients With Chronic Heart Failure. <i>Circulation Journal</i> , <b>2016</b> , 80, 1773-80	2.9	40
526	Prognostic Impact of New-Onset Atrial Fibrillation in Patients With Chronic Heart Failure - A Report From the CHART-2 Study. <i>Circulation Journal</i> , <b>2016</b> , 80, 157-67	2.9	24
525	Prognostic Impacts of Metabolic Syndrome in Patients With Chronic Heart Failure - A Multicenter Prospective Cohort Study. <i>Circulation Journal</i> , <b>2016</b> , 80, 677-88	2.9	8
524	Heart Rate Control With If Inhibitor, Ivabradine, in Japanese Patients With Chronic Heart Failure - A Randomized, Double-Blind, Placebo-Controlled Phase II Study. <i>Circulation Journal</i> , <b>2016</b> , 80, 668-76	2.9	20
523	Balloon Pulmonary Angioplasty Improves Biventricular Functions and Pulmonary Flow in Chronic Thromboembolic Pulmonary Hypertension. <i>Circulation Journal</i> , <b>2016</b> , 80, 1470-7	2.9	38
522	The Who, What, Why, When, How and Where of Vasospastic Angina. <i>Circulation Journal</i> , <b>2016</b> , 80, 289-98	2.9	56
521	Multiple Beneficial Effects of Balloon Pulmonary Angioplasty in Patients With Chronic Thromboembolic Pulmonary Hypertension. <i>Circulation Journal</i> , <b>2016</b> , 80, 980-8	2.9	36
520	Ischemic Lesion Formation in Solitary Tract Nuclei During Central Sleep Apnea With Heart Failure - Reply. <i>Circulation Journal</i> , <b>2016</b> , 80, 1049	2.9	1
519	Increased Coronary Perivascular Adipose Tissue Volume in Patients With Vasospastic Angina. <i>Circulation Journal</i> , <b>2016</b> , 80, 1653-6	2.9	21
518	Prognostic Impact of Loop Diuretics in Patients With Chronic Heart Failure - Effects of Addition of Renin-Angiotensin-Aldosterone System Inhibitors and $\beta$ -Blockers. <i>Circulation Journal</i> , <b>2016</b> , 80, 1396-403	2.9	22
517	Effects of Balloon Pulmonary Angioplasty on Oxygenation in Patients With Chronic Thromboembolic Pulmonary Hypertension - Importance of Intrapulmonary Shunt. <i>Circulation Journal</i> , <b>2016</b> , 80, 2227-34	2.9	32
516	Influence of Left Ventricular Ejection Fraction on the Effects of Supplemental Use of Angiotensin Receptor Blocker Olmesartan in Hypertensive Patients With Heart Failure. <i>Circulation Journal</i> , <b>2016</b> , 80, 2155-64	2.9	9
515	Focal Vasa Vasorum Formation in Patients With Focal Coronary Vasospasm - An Optical Frequency Domain Imaging Study. <i>Circulation Journal</i> , <b>2016</b> , 80, 2252-4	2.9	15
514	Overview of the 80(th) Annual Scientific Meeting of the Japanese Circulation Society - The Past, Present and Future of Cardiovascular Medicine in Japan - - The 5(th) Anniversary of the Great East Japan Earthquake. <i>Circulation Journal</i> , <b>2016</b> , 80, 1689-94	2.9	1
513	Focal Reduction in Cardiac I-Metaiodobenzylguanidine Uptake in Patients With Anderson-Fabry Disease. <i>Circulation Journal</i> , <b>2016</b> , 80, 2550-2551	2.9	8
512	Low-energy extracorporeal shock wave therapy for promotion of vascular endothelial growth factor expression and angiogenesis and improvement of locomotor and sensory functions after spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , <b>2016</b> , 25, 745-755	2.8	32
511	A simple and rapid method for identification of lesions at high risk for the no-reflow phenomenon immediately before elective coronary stent implantation. <i>Heart and Vessels</i> , <b>2016</b> , 31, 1904-1914	2.1	8
510	Time Course and Factors Correlating With Ventricular Tachyarrhythmias After Introduction of Steroid Therapy in Cardiac Sarcoidosis. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9,	6.4	38



509	Dual-energy CT to estimate clinical severity of chronic thromboembolic pulmonary hypertension: Comparison with invasive right heart catheterization. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 1574-80	4.7	46
508	Beneficial effects of long-acting nifedipine on coronary vasomotion abnormalities after drug-eluting stent implantation: The NOVEL study. <i>European Heart Journal</i> , <b>2016</b> , 37, 2713-21	9.5	21
507	Chronic thromboembolic pulmonary hypertension and schizophrenia. <i>International Journal of Cardiology</i> , <b>2016</b> , 207, 363-4	3.2	3
506	RhoA/Rho-Kinase in the Cardiovascular System. <i>Circulation Research</i> , <b>2016</b> , 118, 352-66	15.7	209
505	Retrospective analysis of 95 patients with large vessel vasculitis: a single center experience. <i>International Journal of Rheumatic Diseases</i> , <b>2016</b> , 19, 87-94	2.3	28
504	Beneficial Effects of a Novel Bioabsorbable Polymer Coating on Enhanced Coronary Vasoconstricting Responses After Drug-Eluting Stent Implantation in Pigs in Vivo. <i>JACC: Cardiovascular Interventions</i> , <b>2016</b> , 9, 281-291	5	13
503	Decreased Bronchial Eosinophilic Inflammation and Mucus Hypersecretion in Asthmatic Mice Lacking All Nitric Oxide Synthase Isoforms. <i>Lung</i> , <b>2016</b> , 194, 121-4	2.9	6
502	Basigin Promotes Cardiac Fibrosis and Failure in Response to Chronic Pressure Overload in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 636-46	9.4	39
501	Transmural, interventricular, apicobasal and anteroposterior action potential duration gradients are all essential to the genesis of the concordant and realistic T wave: A whole-heart model study. <i>Journal of Electrocardiology</i> , <b>2016</b> , 49, 569-78	1.4	1
500	Statins up-regulate SmgGDS through $\beta$ -integrin/Akt1 pathway in endothelial cells. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 151-61	9.9	12
499	Reactive Oxygen Species in the Cardiovascular System <b>2016</b> , 287-303		
498	Study Design and Baseline Characteristics of the EXPAND Study: Evaluation of Effectiveness and Safety of Xa Inhibitor, Rivaroxaban for the Prevention of Stroke and Systemic Embolism in a Nationwide Cohort of Japanese Patients Diagnosed as Non-Valvular Atrial Fibrillation. <i>Tohoku Journal of Experimental Medicine</i> , <b>2016</b> , 238, 259-266	2.4	9
497	Extracorporeal shock wave therapy for digital ulcers associated with systemic sclerosis. <i>Journal of Scleroderma and Related Disorders</i> , <b>2016</b> , 1, 181-185	2.3	1
496	Extracorporeal Shock Wave Therapy for Digital Ulcers of Systemic Sclerosis: A Phase 2 Pilot Study. <i>Tohoku Journal of Experimental Medicine</i> , <b>2016</b> , 238, 39-47	2.4	17
495	End-Tidal CO2 Tension Is Predictive of Effective Nocturnal Oxygen Therapy in Patients with Chronic Heart Failure and Central Sleep Apnea. <i>Tohoku Journal of Experimental Medicine</i> , <b>2016</b> , 239, 39-45	2.4	1
494	Effect of Respiratory Therapy on the Prognosis of Chronic Heart Failure Patients Complicated With Sleep-Disordered Breathing - A Pilot Efficacy Trial. <i>Circulation Journal</i> , <b>2016</b> , 80, 130-8	2.9	10
493	Pulmonary Arterial Hypertension Associated with Congenital Portosystemic Shunts Treated with Transcatheter Embolization and Pulmonary Vasodilators. <i>Internal Medicine</i> , <b>2016</b> , 55, 2429-32	1.1	4
492	SmgGDS as a Crucial Mediator of the Inhibitory Effects of Statins on Cardiac Hypertrophy and Fibrosis: Novel Mechanism of the Pleiotropic Effects of Statins. <i>Hypertension</i> , <b>2016</b> , 67, 878-89	8.5	21

491	Disruption of Physiological Balance Between Nitric Oxide and Endothelium-Dependent Hyperpolarization Impairs Cardiovascular Homeostasis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 97-107	9.4	47
490	Enhanced Adventitial Vasa Vasorum Formation in Patients With Vasospastic Angina: Assessment With OFDI. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 67, 598-600	15.1	28
489	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
488	Thrombin-Activatable Fibrinolysis Inhibitor in Chronic Thromboembolic Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1293-301	9.4	28
487	Low-Intensity Pulsed Ultrasound Enhances Angiogenesis and Ameliorates Left Ventricular Dysfunction in a Mouse Model of Acute Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1220-9	9.4	45
486	Diverse Functions of Endothelial NO Synthases System: NO and EDH. <i>Journal of Cardiovascular Pharmacology</i> , <b>2016</b> , 67, 361-6	3.1	37
485	Usefulness of Testing for Coronary Artery Spasm and Programmed Ventricular Stimulation in Survivors of Out-of-Hospital Cardiac Arrest. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9,	6.4	10
484	Molecular mechanisms of the angiogenic effects of low-energy shock wave therapy: roles of mechanotransduction. <i>American Journal of Physiology - Cell Physiology</i> , <b>2016</b> , 311, C378-85	5.4	44
483	Deletion of LR11 Attenuates Hypoxia-Induced Pulmonary Arterial Smooth Muscle Cell Proliferation With Medial Thickening in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1972-9	9.4	7
482	Right-sided infective endocarditis as a potentially fatal complication in patients with long-term refractory severe bradyarrhythmia after cervical spinal cord injury: A case report. <i>Journal of Arrhythmia</i> , <b>2015</b> , 31, 232-4	1.5	
481	ROS and endothelial nitric oxide synthase (eNOS)-dependent trafficking of angiotensin II type 2 receptor begets neuronal NOS in cardiac myocytes. <i>Basic Research in Cardiology</i> , <b>2015</b> , 110, 21	11.8	21
480	Rho-Kinase Inhibition During Early Cardiac Development Causes Arrhythmogenic Right Ventricular Cardiomyopathy in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2172-84	9.4	23
479	Ventricular fibrillation mechanisms and cardiac restitution: An investigation by simulation study on whole-heart model. <i>Computers in Biology and Medicine</i> , <b>2015</b> , 63, 261-8	7	12
478	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> , <b>2015</b> , 36, 228-37	9.5	64
477	Structural abnormality of the hippocampus associated with depressive symptoms in heart failure rats. <i>NeuroImage</i> , <b>2015</b> , 105, 84-92	7.9	24
476	Opposing roles of nitric oxide and rho-kinase in lipid metabolism in mice. <i>Tohoku Journal of Experimental Medicine</i> , <b>2015</b> , 235, 171-83	2.4	15
475	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> , <b>2015</b> , 79, 2396-407	2.0	64
474	Prognostic Impact of Diabetes Mellitus in Chronic Heart Failure According to Presence of Ischemic Heart Disease [With Special Reference to Nephropathy. <i>Circulation Journal</i> , <b>2015</b> , 79, 1764-72	2.9	6

473	Prognostic impact of statin use in patients with heart failure and preserved ejection fraction. <i>Circulation Journal</i> , <b>2015</b> , 79, 574-82	2.9	40
472	Current status of primary prevention of sudden cardiac death with implantable cardioverter defibrillator in patients with chronic heart failure--a report from the CHART-2 Study. <i>Circulation Journal</i> , <b>2015</b> , 79, 381-90	2.9	36
471	Improved Long-Term Prognosis of Dilated Cardiomyopathy With Implementation of Evidenced-Based Medication - Report From the CHART Studies -. <i>Circulation Journal</i> , <b>2015</b> , 79, 1332-41	2.9	16
470	Predictors and prognostic impact of post-traumatic stress disorder after the great East Japan earthquake in patients with cardiovascular disease. <i>Circulation Journal</i> , <b>2015</b> , 79, 664-7	2.9	22
469	Accuracy of optical frequency domain imaging for evaluation of coronary adventitial vasa vasorum formation after stent implantation in pigs and humans - a validation study -. <i>Circulation Journal</i> , <b>2015</b> , 79, 1323-31	2.9	20
468	Association of Adventitial Vasa Vasorum and Inflammation With Coronary Hyperconstriction After Drug-Eluting Stent Implantation in Pigs In Vivo. <i>Circulation Journal</i> , <b>2015</b> , 79, 1787-98	2.9	30
467	Prognostic Impact of Anemia in Patients With Chronic Heart Failure- With Special Reference to Clinical Background: Report From the CHART-2 Study. <i>Circulation Journal</i> , <b>2015</b> , 79, 1984-93	2.9	24
466	Comparison of cardiovascular mortality in the Great East Japan and the Great Hanshin-Awaji Earthquakes - a large-scale data analysis of death certificates. <i>Circulation Journal</i> , <b>2015</b> , 79, 1000-8	2.9	23
465	Clinical Characteristics of Patients With Acute Myocardial Infarction Who Did Not Undergo Primary Percutaneous Coronary Intervention- Report From the MIYAGI-AMI Registry Study. <i>Circulation Journal</i> , <b>2015</b> , 79, 2009-16	2.9	14
464	The Future of Non-Invasive Angiogenic Therapy Using Acoustic Waves. <i>Circulation Journal</i> , <b>2015</b> , 79, 1906-7	2.9	0
463	Message From the Editor-in-Chief. <i>Circulation Journal</i> , <b>2015</b> , 79, 1859-62	2.9	
462	Comprehensive Risk Stratification of Japanese Patients With Aortic Stenosis--A Proposal of a New Risk Score From the CHART-2 Study. <i>Circulation Journal</i> , <b>2015</b> , 79, 1631-8	2.9	1
461	Heart failure as a general pandemic in Asia. <i>European Journal of Heart Failure</i> , <b>2015</b> , 17, 884-92	12.3	193
460	Light and Dark of Reactive Oxygen Species for Vascular Function: 2014 ASVB (Asian Society of Vascular Biology). <i>Journal of Cardiovascular Pharmacology</i> , <b>2015</b> , 65, 412-8	3.1	20
459	Four-dimensional flow magnetic resonance imaging visualizes drastic change in vortex flow in the main pulmonary artery after percutaneous transluminal pulmonary angioplasty in a patient with chronic thromboembolic pulmonary hypertension. <i>European Heart Journal</i> , <b>2015</b> , 36, 1630	9.5	24
458	2015 ATVB Plenary Lecture: translational research on rho-kinase in cardiovascular medicine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1756-69	9.4	42
457	Significance of nitric oxide synthases: Lessons from triple nitric oxide synthases null mice. <i>Journal of Pharmacological Sciences</i> , <b>2015</b> , 127, 42-52	3.7	44
456	Clinical impacts of additive use of olmesartan in hypertensive patients with chronic heart failure: the supplemental benefit of an angiotensin receptor blocker in hypertensive patients with stable heart failure using olmesartan (SUPPORT) trial. <i>European Heart Journal</i> , <b>2015</b> , 36, 915-23	9.5	41

455	Development of a novel shock wave catheter ablation system--the first feasibility study in pigs. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116017	3.7	6
454	Cyclophilin A: Novel Biomarker for Oxidative Stress and Cardiovascular Diseases. <i>Biomarkers in Disease</i> , <b>2015</b> , 405-438		1
453	Coronary Artery Spasm: Clinical Aspect <b>2015</b> , 1827-1844		
452	Coronary Artery Spasm: Basic Aspect <b>2015</b> , 1811-1825		
451	MIYAGI AMI Registry. <i>Journal of the Japanese Coronary Association</i> , <b>2015</b> , 21, 127-131		
450	Dual roles of vascular-derived reactive oxygen species--with a special reference to hydrogen peroxide and cyclophilin A. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 73, 50-6	5.8	36
449	Identification and visualization of stimulus-specific transcriptional activity in cardiac hypertrophy in mice. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30, 211-9	2.5	
448	Impact of elevated heart rate on clinical outcomes in patients with heart failure with reduced and preserved ejection fraction: a report from the CHART-2 Study. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 309-16	12.3	36
447	Low-energy extracorporeal shock wave therapy promotes vascular endothelial growth factor expression and improves locomotor recovery after spinal cord injury. <i>Journal of Neurosurgery</i> , <b>2014</b> , 121, 1514-25	3.2	47
446	Burn-associated delayed dilated cardiomyopathy evaluated by cardiac PET and SPECT: Report of a case. <i>Journal of Cardiology Cases</i> , <b>2014</b> , 10, 180-183	0.6	
445	Basigin mediates pulmonary hypertension by promoting inflammation and vascular smooth muscle cell proliferation. <i>Circulation Research</i> , <b>2014</b> , 115, 738-50	15.7	68
444	Development of an experimentally useful model of acute myocardial infarction: 2/3 nephrectomized triple nitric oxide synthases-deficient mouse. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 77, 29-41	5.8	7
443	Enhanced [18F]fluorodeoxyglucose accumulation in the right ventricular free wall predicts long-term prognosis of patients with pulmonary hypertension: a preliminary observational study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 666-72	4.1	47
442	OCT imaging for the management of pulmonary hypertension. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 843-5	8.4	23
441	Nitric oxide exerts protective effects against bleomycin-induced pulmonary fibrosis in mice. <i>Respiratory Research</i> , <b>2014</b> , 15, 92	7.3	20
440	Crucial role of rho-kinase in pressure overload-induced right ventricular hypertrophy and dysfunction in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1260-71	9.4	59
439	Platelets are highly activated in patients of chronic thromboembolic pulmonary hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2486-94	9.4	46
438	Reply: Prognostic significance of patients with vasospastic angina. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1586	15.1	

437	Endothelial AMP-activated protein kinase regulates blood pressure and coronary flow responses through hyperpolarization mechanism in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1505-13	9.4	57
436	Cerebral blood flow in takotsubo syndrome: is it specific for the disease?. <i>Circulation Journal</i> , <b>2014</b> , 78, 776	2.9	9
435	Circulation Journal Awards for the Year 2013. <i>Circulation Journal</i> , <b>2014</b> , 78, 535-541	2.9	
434	Evidence for brain activation in patients with takotsubo cardiomyopathy. <i>Circulation Journal</i> , <b>2014</b> , 78, 256-8	2.9	70
433	Prevalence, predictors and prognosis of patients with heart failure requiring nursing care. <i>Circulation Journal</i> , <b>2014</b> , 78, 2276-83	2.9	15
432	Prognostic Impact of Subclinical Microalbuminuria in Patients With Chronic Heart Failure. <i>Circulation Journal</i> , <b>2014</b> , 78, 2890-2898	2.9	13
431	Gender differences in clinical characteristics, treatment and long-term outcome in patients with stage C/D heart failure in Japan. Report from the CHART-2 study. <i>Circulation Journal</i> , <b>2014</b> , 78, 428-35	2.9	41
430	Histopathological examination by lung biopsy for the evaluation of operability and postoperative prognosis in patients with chronic thromboembolic pulmonary hypertension. <i>Circulation Journal</i> , <b>2014</b> , 78, 476-82	2.9	19
429	Combination therapy with fasudil and sildenafil ameliorates monocrotaline-induced pulmonary hypertension and survival in rats. <i>Circulation Journal</i> , <b>2014</b> , 78, 967-76	2.9	36
428	Emergency care of acute myocardial infarction and the great East Japan earthquake disaster. <i>Circulation Journal</i> , <b>2014</b> , 78, 634-43	2.9	17
427	Circadian variation of Rho-kinase activity in circulating leukocytes of patients with vasospastic angina. <i>Circulation Journal</i> , <b>2014</b> , 78, 1183-90	2.9	26
426	Role of endothelial nitric oxide synthase and collagen metabolism in right ventricular remodeling due to pulmonary hypertension. <i>Circulation Journal</i> , <b>2014</b> , 78, 1465-74	2.9	19
425	Visualization of complete regression of pulmonary arterial remodeling on optical coherence tomography in a patient with pulmonary arterial hypertension. <i>Circulation Journal</i> , <b>2014</b> , 78, 2771-3	2.9	7
424	Extracorporeal low-energy shock-wave therapy exerts anti-inflammatory effects in a rat model of acute myocardial infarction. <i>Circulation Journal</i> , <b>2014</b> , 78, 2915-25	2.9	54
423	In vivo visualization of adventitial vasa vasorum of the human coronary artery on optical frequency domain imaging. Validation study. <i>Circulation Journal</i> , <b>2014</b> , 78, 2516-8	2.9	22
422	Low-intensity pulsed ultrasound induces angiogenesis and ameliorates left ventricular dysfunction in a porcine model of chronic myocardial ischemia. <i>PLoS ONE</i> , <b>2014</b> , 9, e104863	3.7	56
421	Coronary Artery Spasm, Part II Basic Aspects <b>2014</b> , 1-18		
420	Computer Simulation of Cathode Ablation for Atrial Fibrillation <b>2014</b> ,		1

419	Factors influencing the occurrence of cardiopulmonary arrest in the Great East Japan Earthquake disaster. <i>International Journal of Cardiology</i> , <b>2014</b> , 177, 569-72	3.2	6
418	Vascular function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2359-62	9.4	20
417	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
416	Heart failure: preventing disease and death worldwide. <i>ESC Heart Failure</i> , <b>2014</b> , 1, 4-25	3.7	598
415	Coronary Artery Spasm: Part I Clinical Aspect <b>2014</b> , 1-21		
414	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
413	Rho-kinase inhibition ameliorates metabolic disorders through activation of AMPK pathway in mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e110446	3.7	39
412	Cyclophilin A: Novel Biomarker for Oxidative Stress and Cardiovascular Diseases <b>2014</b> , 1-27		
411	Low-energy extracorporeal shock wave therapy. <i>The Journal of Japanese Society of Limb Salvage and Podiatric Medicine</i> , <b>2014</b> , 6, 132-136	0	
410	Prognostic impact of subclinical microalbuminuria in patients with chronic heart failure. <i>Circulation Journal</i> , <b>2014</b> , 78, 2890-8	2.9	2
409	The Pathogenesis of Vasospastic Angina <b>2013</b> , 91-99		
408	A case report of very late stent thrombosis with peri-stent coronary artery aneurysm and stent-related coronary vasospasm. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2013</b> , 28, 272-8	2.5	8
407	Nitric oxide mediates selective degeneration of hypothalamic orexin neurons through dysfunction of protein disulfide isomerase. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 12557-68	6.6	40
406	Exercise training upregulates nitric oxide synthases in the kidney of rats with chronic heart failure. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2013</b> , 40, 617-25	3	16
405	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
404	Voxel-based morphometry and histological analysis for evaluating hippocampal damage in a rat model of cardiopulmonary resuscitation. <i>NeuroImage</i> , <b>2013</b> , 77, 215-21	7.9	21
403	"Porcelain heart" a case of acute heart failure with massive myocardial calcification complicated with primary hyperparathyroidism. <i>Journal of Cardiology Cases</i> , <b>2013</b> , 8, 183-186	0.6	2
402	Supplemental benefit of an angiotensin receptor blocker in hypertensive patients with stable heart failure using olmesartan (SUPPORT) trial—rationale and design. <i>Journal of Cardiology</i> , <b>2013</b> , 62, 31-6	3	13



401	The nuclear factor erythroid 2-related factor 2 activator oltipraz attenuates chronic hypoxia-induced cardiopulmonary alterations in mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 49, 324-33	5.7	44
400	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
399	Home telemonitoring study for Japanese patients with heart failure (HOMES-HF): protocol for a multicentre randomised controlled trial. <i>BMJ Open</i> , <b>2013</b> , 3,	3	13
398	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
397	Three-dimensional-optical coherence tomography imaging of chronic thromboembolic pulmonary hypertension. <i>European Heart Journal</i> , <b>2013</b> , 34, 2121	9.5	20
396	Reactive oxygen species promote vascular smooth muscle cell proliferation. <i>Circulation Research</i> , <b>2013</b> , 113, 1040-2	15.7	28
395	Identification of a glutamic acid repeat polymorphism of ALMS1 as a novel genetic risk marker for early-onset myocardial infarction by genome-wide linkage analysis. <i>Circulation: Cardiovascular Genetics</i> , <b>2013</b> , 6, 569-78		14
394	Statins exert the pleiotropic effects through small GTP-binding protein dissociation stimulator upregulation with a resultant Rac1 degradation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1591-600	9.4	58
393	Role of endogenous hydrogen peroxide during angiotensin type 1 receptor blockers administration in pacing-induced metabolic coronary vasodilatation in dogs in vivo. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 3861-4	0.9	
392	Effect of the Great East Japan Earthquake on cardiovascular diseases--report from the 10 hospitals in the disaster area. <i>Circulation Journal</i> , <b>2013</b> , 77, 490-3	2.9	58
391	Plasma cyclophilin A is a novel biomarker for coronary artery disease. <i>Circulation Journal</i> , <b>2013</b> , 77, 447-55	5.9	61
390	Gender differences in the clinical characteristics and outcomes of patients with vasospastic angina--a report from the Japanese Coronary Spasm Association. <i>Circulation Journal</i> , <b>2013</b> , 77, 1267-74	2.9	33
389	Optical coherence tomography is superior to intravascular ultrasound for diagnosis of distal-type chronic thromboembolic pulmonary hypertension. <i>Circulation Journal</i> , <b>2013</b> , 77, 1081-3	2.9	31
388	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
387	Rho-kinase activation in patients with heart failure. <i>Circulation Journal</i> , <b>2013</b> , 77, 2542-50	2.9	31
386	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
385	Usefulness of combined risk stratification with heart rate and systolic blood pressure in the management of chronic heart failure. A report from the CHART-2 study. <i>Circulation Journal</i> , <b>2013</b> , 77, 2954-62	2.9	28
384	Impact of physical activity on cardiovascular events in patients with chronic heart failure. A multicenter prospective cohort study. <i>Circulation Journal</i> , <b>2013</b> , 77, 2963-72	2.9	26

383	Epidemiology of heart failure in Asia. <i>Circulation Journal</i> , <b>2013</b> , 77, 2209-17	2.9	153
382	Prognostic impact of blood urea nitrogen changes during hospitalization in patients with acute heart failure syndrome. <i>Circulation Journal</i> , <b>2013</b> , 77, 1221-8	2.9	20
381	Different brain activation under left and right ventricular stimulation: an fMRI study in anesthetized rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e56990	3.7	2
380	Combination therapy with atorvastatin and amlodipine suppresses angiotensin II-induced aortic aneurysm formation. <i>PLoS ONE</i> , <b>2013</b> , 8, e72558	3.7	19
379	Nitric oxide synthases and heart failure - lessons from genetically manipulated mice. <i>Journal of UOEH</i> , <b>2013</b> , 35, 147-58	1.6	11
378	Rho-Kinase Inhibitors. <i>Handbook of Experimental Pharmacology</i> , <b>2013</b> , 351-363	3.2	8
377	Urbanization, life style changes and the incidence/in-hospital mortality of acute myocardial infarction in Japan: report from the MIYAGI-AMI Registry Study. <i>Circulation Journal</i> , <b>2012</b> , 76, 1136-44	2.9	18
376	Clinical significance of reactive post-capillary pulmonary hypertension in patients with left heart disease. <i>Circulation Journal</i> , <b>2012</b> , 76, 1235-44	2.9	37
375	Mechanisms for enhanced endothelium-derived hyperpolarizing factor-mediated responses in microvessels in mice. <i>Circulation Journal</i> , <b>2012</b> , 76, 1768-79	2.9	37
374	Ezetimibe improves endothelial function and inhibits Rho-kinase activity associated with inhibition of cholesterol absorption in humans. <i>Circulation Journal</i> , <b>2012</b> , 76, 2023-30	2.9	19
373	Involvement of rho-kinase activation in the pathogenesis of coronary hyperconstricting responses induced by drug-eluting stents in patients with coronary artery disease. <i>Circulation Journal</i> , <b>2012</b> , 76, 2552-60	2.9	28
372	Enhanced Rho-kinase activity in patients with vasospastic angina after the Great East Japan Earthquake. <i>Circulation Journal</i> , <b>2012</b> , 76, 2892-4	2.9	14
371	Announcement of the 2012 JCS Meeting Activities (2). <i>Circulation Journal</i> , <b>2012</b> , 76, 1047-1050	2.9	
370	Editorial Statistics and Best Reviewers Award for 2011. <i>Circulation Journal</i> , <b>2012</b> , 76, 261-264	2.9	
369	Circulation Journal Awards for the Year 2011. <i>Circulation Journal</i> , <b>2012</b> , 76, 523-528	2.9	
368	Current perspectives on protective roles of erythropoietin in cardiovascular system: erythropoietin receptor as a novel therapeutic target. <i>Tohoku Journal of Experimental Medicine</i> , <b>2012</b> , 227, 83-91	2.4	21
367	Anti-atherogenic effects of the combination therapy with olmesartan and azelnidipine in diabetic apolipoprotein E-deficient mice. <i>Tohoku Journal of Experimental Medicine</i> , <b>2012</b> , 228, 305-15	2.4	8
366	Extracorporeal shock wave therapy improves the walking ability of patients with peripheral artery disease and intermittent claudication. <i>Circulation Journal</i> , <b>2012</b> , 76, 1486-93	2.9	34

365	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
364	Rapid Publication and Announcement of the 2012 JCS Meeting Activities. <i>Circulation Journal</i> , <b>2012</b> , 76, 771-773	2.9	
363	The Great East Japan Earthquake Disaster and cardiovascular diseases. <i>European Heart Journal</i> , <b>2012</b> , 33, 2796-803	9.5	151
362	Conflict of interest policies and disclosure requirements among European Society of Cardiology National Cardiovascular Journals. <i>Revista Espanola De Cardiologia</i> , <b>2012</b> , 65, 471-8	1.5	4
361	Evidence of a direct cellular protective effect of Rho-kinase inhibitors on endothelin-induced cardiac myocyte hypertrophy. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 424, 338-40	3.4	4
360	Low-energy extracorporeal shock wave therapy enhances skin wound healing in diabetic mice: a critical role of endothelial nitric oxide synthase. <i>Wound Repair and Regeneration</i> , <b>2012</b> , 20, 887-95	3.6	62
359	Usefulness of the noncontact mapping system to elucidate the conduction property for the treatment of common atrial flutter. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2012</b> , 35, 1464-71	1.6	1
358	Coupling between gamma oscillation and fMRI signal in the rat somatosensory cortex: its dependence on systemic physiological parameters. <i>NeuroImage</i> , <b>2012</b> , 60, 738-46	7.9	29
357	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
356	Delayed enhancement on cardiac magnetic resonance imaging is a poor prognostic factor in patients with cardiac sarcoidosis. <i>Journal of Cardiology</i> , <b>2012</b> , 60, 448-53	3	33
355	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
354	Neurovascular uncoupling under mild hypoxic hypoxia: an EEG-fMRI study in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 1853-8	7.3	15
353	Urinary albumin excretion in heart failure with preserved ejection fraction: an interim analysis of the CHART 2 study. <i>European Journal of Heart Failure</i> , <b>2012</b> , 14, 367-76	12.3	43
352	Leptin potentiates endothelium-dependent relaxation by inducing endothelial expression of neuronal NO synthase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1605-12	9.4	44
351	Essential role of bone marrow for microvascular endothelial and metabolic functions in mice. <i>Circulation Research</i> , <b>2012</b> , 111, 87-96	15.7	27
350	Long-term treatment with nifedipine suppresses coronary hyperconstricting responses and inflammatory changes induced by paclitaxel-eluting stent in pigs in vivo: possible involvement of Rho-kinase pathway. <i>European Heart Journal</i> , <b>2012</b> , 33, 791-9	9.5	25
349	The CHART-2 Study -A Prospective Observational Study in 10,219 Japanese Patients with Cardiovascular Disease Aiming to Establish Evidence-based Management-. <i>The Journal of the Japanese Society of Internal Medicine</i> , <b>2012</b> , 101, 1715-1719	0	
348	Brain responses to cardiac electrical stimulation: a new EEG method for evaluating cardiac sensation. <i>Tohoku Journal of Experimental Medicine</i> , <b>2012</b> , 226, 3-10	2.4	3

347	Increased incidence of tachyarrhythmias and heart failure hospitalization in patients with implanted cardiac devices after the great East Japan earthquake disaster. <i>Circulation Journal</i> , <b>2012</b> , 76, 1283-5	2.9	45
346	Conflict of interest policies and disclosure requirements among European Society of Cardiology National Cardiovascular Journals. <i>Medicinski Arhiv = Medical Archives = Archives De Médecine</i> , <b>2012</b> , 66, 148-54	1.2	1
345	Enhanced Rho-kinase activity in circulating neutrophils of patients with vasospastic angina: a possible biomarker for diagnosis and disease activity assessment. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 1231-7	15.1	58
344	Preventive and therapeutic effects of the selective Rho-kinase inhibitor fasudil on experimental autoimmune neuritis. <i>Journal of the Neurological Sciences</i> , <b>2011</b> , 306, 115-20	3.2	14
343	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
342	Eicosapentaenoic acid reduces ischemic ventricular fibrillation via altering monophasic action potential in pigs. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 329-36	5.8	19
341	Vascular-derived reactive oxygen species for homeostasis and diseases. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2011</b> , 25, 211-5	5	18
340	Crucial vasculoprotective role of the whole nitric oxide synthase system in vascular lesion formation in mice: Involvement of bone marrow-derived cells. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2011</b> , 25, 350-9	5	12
339	Emergence of the erythropoietin/erythropoietin receptor system as a novel cardiovascular therapeutic target. <i>Journal of Cardiovascular Pharmacology</i> , <b>2011</b> , 58, 570-4	3.1	12
338	Intensive immunosuppressive therapy improves pulmonary hemodynamics and long-term prognosis in patients with pulmonary arterial hypertension associated with connective tissue disease. <i>Circulation Journal</i> , <b>2011</b> , 75, 2668-74	2.9	55
337	Acceleration of Ca <sup>2+</sup> waves in monocrotaline-induced right ventricular hypertrophy in the rat. <i>Circulation Journal</i> , <b>2011</b> , 75, 1343-9	2.9	8
336	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
335	Long-term treatment with eicosapentaenoic acid ameliorates myocardial ischemia-reperfusion injury in pigs in vivo. -Involvement of Rho-kinase pathway inhibition-. <i>Circulation Journal</i> , <b>2011</b> , 75, 1843-51	2.9	15
334	Recent progress in the management of pulmonary hypertension. <i>Circulation Journal</i> , <b>2011</b> , 75, 1801-10	2.9	65
333	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
332	Internationalization of the Circulation Journal. <i>Circulation Journal</i> , <b>2011</b> , 75, 1-2	2.9	0
331	Editorial Statistics and Best Reviewers Award for 2010. <i>Circulation Journal</i> , <b>2011</b> , 75, 227-228	2.9	
330	Circulation Journal Awards for the Year 2010. <i>Circulation Journal</i> , <b>2011</b> , 75, 505-508	2.9	

329	Protective effects of recombinant human erythropoietin against pressure overload-induced left ventricular remodeling and premature death in mice. <i>Tohoku Journal of Experimental Medicine</i> , <b>2011</b> , 225, 131-43	2.4	12
328	A sodium channel blocker, pilsicainide, produces atrial post-repolarization refractoriness through the reduction of sodium channel availability. <i>Tohoku Journal of Experimental Medicine</i> , <b>2011</b> , 225, 35-42	2.4	7
327	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
326	Validation of mortality risk stratification models for cardiovascular disease. <i>American Journal of Cardiology</i> , <b>2011</b> , 108, 391-6	3	18
325	Prospective care of heart failure in Japan: lessons from CHART studies. <i>EPMA Journal</i> , <b>2011</b> , 2, 425-38	8.8	11
324	Reduced spinal microglial activation and neuropathic pain after nerve injury in mice lacking all three nitric oxide synthases. <i>Molecular Pain</i> , <b>2011</b> , 7, 50	3.4	35
323	Indispensable roles of OX40L-derived signal and epistatic genetic effect in immune-mediated pathogenesis of spontaneous pulmonary hypertension. <i>BMC Immunology</i> , <b>2011</b> , 12, 67	3.7	11
322	Extracorporeal shock wave therapy for ischemic cardiovascular disorders. <i>American Journal of Cardiovascular Drugs</i> , <b>2011</b> , 11, 295-302	4	52
321	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
320	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
319	Erythropoietin enhances hydrogen peroxide-mediated dilatation of canine coronary collateral arterioles during myocardial ischemia in dogs in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H1928-35	5.2	6
318	Severe dyslipidaemia, atherosclerosis, and sudden cardiac death in mice lacking all NO synthases fed a high-fat diet. <i>Cardiovascular Research</i> , <b>2010</b> , 87, 675-82	9.9	18
317	eNOS is required for acute in vivo ischemic preconditioning of the heart: effects of ischemic duration and sex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H437-45	5.2	34
316	OX40 ligand plays an important role in the development of atherosclerosis through vasa vasorum neovascularization. <i>Cardiovascular Research</i> , <b>2010</b> , 88, 539-46	9.9	31
315	Potential usefulness of fish oil in the primary prevention of acute coronary syndrome. <i>European Heart Journal</i> , <b>2010</b> , 31, 15-6	9.5	5
314	Both high and low body mass indexes are prognostic risks in Japanese patients with chronic heart failure: implications from the CHART study. <i>Journal of Cardiac Failure</i> , <b>2010</b> , 16, 880-7	3.3	30
313	Cardiac shock wave therapy ameliorates left ventricular remodeling after myocardial ischemia-reperfusion injury in pigs in vivo. <i>Coronary Artery Disease</i> , <b>2010</b> , 21, 304-11	1.4	45
312	Non-invasive Angiogenic Therapy Using Extracorporeal Shock Waves.. <i>The Journal of the Japanese Society of Internal Medicine</i> , <b>2010</b> , 99, 2846-2852	0	

311	Prevalence and clinical implication of metabolic syndrome in chronic heart failure. <i>Circulation Journal</i> , <b>2010</b> , 74, 2612-21	2.9	27
310	Complete disruption of all nitric oxide synthase genes causes markedly accelerated renal lesion formation following unilateral ureteral obstruction in mice in vivo. <i>Journal of Pharmacological Sciences</i> , <b>2010</b> , 114, 379-89	3.7	21
309	Hypertension promotes phosphorylation of focal adhesion kinase and proline-rich tyrosine kinase 2 in rats: implication for the pathogenesis of hypertensive vascular disease. <i>Tohoku Journal of Experimental Medicine</i> , <b>2010</b> , 222, 201-10	2.4	7
308	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
307	Combination therapy with olmesartan and azelnidipine improves EDHF-mediated responses in diabetic apolipoprotein E-deficient mice. <i>Circulation Journal</i> , <b>2010</b> , 74, 798-806	2.9	14
306	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
305	Optical coherence tomography as a novel diagnostic tool for distal type chronic thromboembolic pulmonary hypertension. <i>Circulation Journal</i> , <b>2010</b> , 74, 1742-4	2.9	47
304	Identification of new prognostic factors of pulmonary hypertension. <i>Circulation Journal</i> , <b>2010</b> , 74, 1965-71	2.9	37
303	Spontaneous development of left ventricular hypertrophy and diastolic dysfunction in mice lacking all nitric oxide synthases. <i>Circulation Journal</i> , <b>2010</b> , 74, 2681-92	2.9	17
302	Prognostic effects of calcium channel blockers in patients with vasospastic angina--a meta-analysis. <i>Circulation Journal</i> , <b>2010</b> , 74, 1943-50	2.9	59
301	Cyclophilin A: promising new target in cardiovascular therapy. <i>Circulation Journal</i> , <b>2010</b> , 74, 2249-56	2.9	77
300	Editorial Statistics and Best Reviewers Awards for 2009. <i>Circulation Journal</i> , <b>2010</b> , 74, 211-212	2.9	0
299	Urgent announcement from the editor-in-chief regarding duplicate publication. <i>Circulation Journal</i> , <b>2010</b> , 74, 2026	2.9	2
298	Circulation Journal Awards of the Year 2009. <i>Circulation Journal</i> , <b>2010</b> , 74, 387-389	2.9	
297	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
296	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
295	Nitric oxide synthases in the pathogenesis of cardiovascular disease: lessons from genetically modified mice. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2010</b> , 459, 959-67	4.6	36
294	Pathophysiological relevance of NO signaling in the cardiovascular system: novel insight from mice lacking all NO synthases. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 128, 499-508	13.9	49



293	Thyroid hormone and chronically unloaded hearts. <i>Vascular Pharmacology</i> , <b>2010</b> , 52, 138-41	5.9	10
292	Successful recanalization of chronic total occlusion using retrograde approach in a patient with acute coronary syndrome due to aortosaphenous vein graft occlusion. <i>Journal of Cardiology Cases</i> , <b>2010</b> , 1, e112-e115	0.6	3
291	Rho kinase inhibition by fasudil ameliorates diabetes-induced microvascular damage. <i>Diabetes</i> , <b>2009</b> , 58, 215-26	0.9	161
290	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
289	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
288	Akira Takeshita, MD, PhD. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 787-788	9.4	1
287	Role of Rho-kinase in the pathogenesis of coronary hyperconstricting responses induced by drug-eluting stents in pigs in vivo. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 2321-9	15.1	49
286	Diabetes mellitus accelerates left ventricular diastolic dysfunction through activation of the renin-angiotensin system in hypertensive rats. <i>Hypertension Research</i> , <b>2009</b> , 32, 472-80	4.7	19
285	Contribution of Na <sup>+</sup> /Ca <sup>2+</sup> exchange current to the formation of delayed afterdepolarizations in intact rat ventricular muscle. <i>Journal of Cardiovascular Pharmacology</i> , <b>2009</b> , 53, 517-22	3.1	17
284	Lamin A/C gene mutations in familial cardiomyopathy with advanced atrioventricular block and arrhythmia. <i>Tohoku Journal of Experimental Medicine</i> , <b>2009</b> , 218, 309-16	2.4	17
283	Importance of dual induction tests for coronary vasospasm and ventricular fibrillation in patients surviving out-of-hospital cardiac arrest. <i>Circulation Journal</i> , <b>2009</b> , 73, 767-9	2.9	50
282	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
281	Nitric oxide synthases and cardiovascular diseases: insights from genetically modified mice. <i>Circulation Journal</i> , <b>2009</b> , 73, 986-93	2.9	59
280	Importance of Rac1 signaling pathway inhibition in the pleiotropic effects of HMG-CoA reductase inhibitors. <i>Circulation Journal</i> , <b>2009</b> , 73, 361-70	2.9	69
279	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
278	Evidence for Rho-kinase activation in patients with pulmonary arterial hypertension. <i>Circulation Journal</i> , <b>2009</b> , 73, 1731-9	2.9	131
277	Circulation Journal Award of the Year 2008. <i>Circulation Journal</i> , <b>2009</b> , 73, 391-393	2.9	0
276	Role of Coronary Vasoconstriction in Ischemic Heart Disease and Search for Novel Therapeutic Targets. <i>Circulation Journal</i> , <b>2009</b> , 73, 783	2.9	0

275	Acute myocardial infarction: the enduring challenge for cardiac protection and survival. <i>Circulation Journal</i> , <b>2009</b> , 73, 2000-8	2.9	53
274	Myocardial ischemia: current concepts and future perspectives. <i>Journal of Cardiology</i> , <b>2008</b> , 52, 67-78	3	72
273	Spontaneous myocardial infarction and nitric oxide synthase. <i>Trends in Cardiovascular Medicine</i> , <b>2008</b> , 18, 275-9	6.9	16
272	Prognostic value of anemia in predicting sudden death of patients with diastolic heart failure. <i>International Journal of Cardiology</i> , <b>2008</b> , 128, 419-21	3.2	11
271	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
270	Atorvastatin reduces oxidative stress in the rostral ventrolateral medulla of stroke-prone spontaneously hypertensive rats. <i>Clinical and Experimental Hypertension</i> , <b>2008</b> , 30, 3-11	2.2	35
269	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
268	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
267	In vivo magnetic resonance imaging of atherosclerotic lesions with a newly developed Evans blue-DTPA-gadolinium contrast medium in apolipoprotein-E-deficient mice. <i>Journal of Vascular Research</i> , <b>2008</b> , 45, 123-8	1.9	9
266	Bone-marrow-derived matrix metalloproteinase-14: a novel target for plaque stability. <i>Circulation</i> , <b>2008</b> , 117, 863-5	16.7	4
265	Increased static pressure promotes migration of vascular smooth muscle cells: involvement of the Rho-kinase pathway. <i>Journal of Cardiovascular Pharmacology</i> , <b>2008</b> , 51, 55-61	3.1	16
264	Post-translational tyrosine nitration of eosinophil granule toxins mediated by eosinophil peroxidase. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 28629-40	5.4	37
263	Spatial non-uniformity of excitation-contraction coupling can enhance arrhythmogenic-delayed afterdepolarizations in rat cardiac muscle. <i>Cardiovascular Research</i> , <b>2008</b> , 80, 55-61	9.9	21
262	Role of Cu,Zn-SOD in the synthesis of endogenous vasodilator hydrogen peroxide during reactive hyperemia in mouse mesenteric microcirculation in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H441-8	5.2	18
261	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
260	Spontaneous myocardial infarction in mice lacking all nitric oxide synthase isoforms. <i>Circulation</i> , <b>2008</b> , 117, 2211-23	16.7	120
259	Long-term inhibition of Rho-kinase ameliorates diastolic heart failure in hypertensive rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>2008</b> , 51, 317-26	3.1	51
258	Roles of endothelial oxidases in endothelium-derived hyperpolarizing factor responses in mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2008</b> , 52, 510-7	3.1	43

257	Enhanced pulsatile pressure accelerates vascular smooth muscle migration: implications for atherogenesis of hypertension. <i>Cardiovascular Research</i> , <b>2008</b> , 80, 346-53	9.9	10
256	Prognostic importance of chronic kidney disease in Japanese patients with chronic heart failure. <i>Circulation Journal</i> , <b>2008</b> , 72, 173-8	2.9	27
255	Emerging problems of heart failure practice in Japanese women: lessons from the CHART study. <i>Circulation Journal</i> , <b>2008</b> , 72, 2009-14	2.9	10
254	Extracorporeal shock wave therapy ameliorates hindlimb ischemia in rabbits. <i>Tohoku Journal of Experimental Medicine</i> , <b>2008</b> , 214, 151-8	2.4	62
253	Electrophysiological properties of the right atrial septum in patients with atrial tachyarrhythmias. <i>Tohoku Journal of Experimental Medicine</i> , <b>2008</b> , 215, 13-22	2.4	3
252	Prognostic effects of benidipine in patients with vasospastic angina: comparison with diltiazem and amlodipine. <i>Journal of Cardiovascular Pharmacology</i> , <b>2008</b> , 51, 253-7	3.1	23
251	Extracorporeal cardiac shock wave therapy for ischemic heart disease. <i>Shock Waves</i> , <b>2008</b> , 17, 449-455	1.6	9
250	Defective endothelial nitric oxide synthase signaling is mediated by rho-kinase activation in rats with secondary biliary cirrhosis. <i>Hepatology</i> , <b>2008</b> , 47, 966-77	11.2	37
249	Development of polymeric drug delivery system for recognizing vascular endothelial dysfunction. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 2811-8	3.4	7
248	Genetic disruption of all NO synthase isoforms enhances BMD and bone turnover in mice in vivo: involvement of the renin-angiotensin system. <i>Journal of Bone and Mineral Research</i> , <b>2008</b> , 23, 633-43	6.3	26
247	Electrocardiographic characteristics of the variants of idiopathic left ventricular outflow tract ventricular tachyarrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2008</b> , 19, 495-501	2.7	63
246	Chronic heart failure in Japan: implications of the CHART studies. <i>Vascular Health and Risk Management</i> , <b>2008</b> , 4, 103-13	4.4	42
245	Important role of endogenous hydrogen peroxide in pacing-induced metabolic coronary vasodilation in dogs in vivo. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 1272-8	15.1	49
244	ApoE gene deficiency enhances the reduction of bone formation induced by a high-fat diet through the stimulation of p53-mediated apoptosis in osteoblastic cells. <i>Journal of Bone and Mineral Research</i> , <b>2007</b> , 22, 1020-30	6.3	48
243	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
242	Hydrogen Peroxide Derived From Beating Heart Mediates Coronary Microvascular Dilation During Tachycardia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1057-1063	9.4	12
241	Statin treatment upregulates vascular neuronal nitric oxide synthase through Akt/NF-kappaB pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 92-8	9.4	70
240	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

239	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
238	Recent progress in the treatment of pulmonary arterial hypertension: expectation for rho-kinase inhibitors. <i>Tohoku Journal of Experimental Medicine</i> , <b>2007</b> , 211, 309-20	2.4	57
237	Colchicine, a microtubule depolymerizing agent, inhibits myocardial apoptosis in rats. <i>Tohoku Journal of Experimental Medicine</i> , <b>2007</b> , 213, 139-48	2.4	24
236	Progress of the study of rho-kinase and future perspective of the inhibitor. <i>Yakugaku Zasshi</i> , <b>2007</b> , 127, 501-14	0	17
235	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
234	Effects of combined therapy with a Rho-kinase inhibitor and prostacyclin on monocrotaline-induced pulmonary hypertension in rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>2007</b> , 50, 195-200	3.1	48
233	Anti-ischemic effects of fasudil, a specific Rho-kinase inhibitor, in patients with stable effort angina. <i>Journal of Cardiovascular Pharmacology</i> , <b>2007</b> , 49, 117-21	3.1	48
232	Acute vasodilator effect of fasudil, a Rho-kinase inhibitor, in monocrotaline-induced pulmonary hypertension in rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>2007</b> , 49, 85-9	3.1	65
231	Development of Rho-kinase inhibitors for cardiovascular medicine. <i>Trends in Pharmacological Sciences</i> , <b>2007</b> , 28, 296-302	13.2	204
230	Hydrogen peroxide derived from beating heart mediates coronary microvascular dilation during tachycardia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1057-63	9.4	4
229	Role of Cu/Zn-SOD in the Synthesis of Endothelium-Derived Hyperpolarizing Factor during Reactive Hyperemia in Mouse Mesenteric Microvessels in Vivo <b>2007</b> , 3496-3499		1
228	The hypothalamo-pituitary axis responses to lipopolysaccharide-induced endotoxemia in mice lacking inducible nitric oxide synthase. <i>Brain Research</i> , <b>2006</b> , 1089, 1-9	3.7	14
227	The selective Rho-kinase inhibitor Fasudil is protective and therapeutic in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , <b>2006</b> , 180, 126-34	3.5	68
226	Matrix metalloproteinases are involved in mechanical stretch-induced activation of skeletal muscle satellite cells. <i>Muscle and Nerve</i> , <b>2006</b> , 34, 313-9	3.4	64
225	Sustained elevation of serum cortisol level causes sensitization of coronary vasoconstricting responses in pigs in vivo: a possible link between stress and coronary vasospasm. <i>Circulation Research</i> , <b>2006</b> , 99, 767-75	15.7	38
224	Beating myocardium counteracts myogenic tone of coronary microvessels: involvement of ATP-sensitive potassium channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H3050-7	5.2	4
223	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
222	Cardioprotective role of endogenous hydrogen peroxide during ischemia-reperfusion injury in canine coronary microcirculation in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H1138-46	5.2	46

221	ROCK controls matrix synthesis in vascular smooth muscle cells: coupling vasoconstriction to vascular remodeling. <i>Circulation Research</i> , <b>2006</b> , 99, 837-44	15.7	60
220	Reduced inotropic effect of nifekalant in failing hearts in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 318, 1102-7	4.7	7
219	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
218	Long-term inhibition of Rho kinase suppresses intimal thickening in autologous vein grafts in rabbits. <i>Journal of Vascular Surgery</i> , <b>2006</b> , 43, 1249-56	3.5	29
217	Different effects of simvastatin and losartan on cytokine levels in coronary artery disease. <i>American Journal of Cardiovascular Drugs</i> , <b>2006</b> , 6, 169-75	4	2
216	Critical role of the Rho-kinase pathway in TGF-beta2-dependent collagen gel contraction by retinal pigment epithelial cells. <i>Experimental Eye Research</i> , <b>2006</b> , 82, 849-59	3.7	26
215	Low-pH preparation of skeletal muscle satellite cells can be used to study activation in vitro. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 1678-85	5.6	23
214	gamma-tocopherol, but not alpha-tocopherol, potently inhibits neointimal formation induced by vascular injury in insulin resistant rats. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 41, 544-54	5.8	21
213	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
212	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
211	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
210	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
209	Atrial tachycardia originating from the upper left atrial septum: demonstration of transseptal interatrial conduction using the infolded atrial walls. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2006</b> , 17, 907-11	2.7	2
208	Endothelium-derived hydrogen peroxide accounts for the enhancing effect of an angiotensin-converting enzyme inhibitor on endothelium-derived hyperpolarizing factor-mediated responses in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 766-71	9.4	16
207	Prostacyclin does not inhibit rho-kinase: an implication for the treatment of pulmonary hypertension. <i>Journal of Cardiovascular Pharmacology</i> , <b>2005</b> , 45, 120-4	3.1	22
206	Influence of diabetes mellitus, hypercholesterolemia, and their combination on EDHF-mediated responses in mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2005</b> , 45, 485-90	3.1	43
205	PKB mediates c-erbB2-induced epithelial beta1 integrin conformational inactivation through Rho-independent F-actin rearrangements. <i>Experimental Cell Research</i> , <b>2005</b> , 307, 259-75	4.2	6
204	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

203	Therapeutic potential of rho-kinase inhibitors in cardiovascular diseases. <i>American Journal of Cardiovascular Drugs</i> , <b>2005</b> , 5, 31-9	4	57
202	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
201	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
200	Beneficial effect of hydroxyfasudil, a specific Rho-kinase inhibitor, on ischemia/reperfusion injury in canine coronary microcirculation in vivo. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 45, 599-607	15.1	41
199	Divergent effects of estrogen and nicotine on Rho-kinase expression in human coronary vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 326, 154-9	3.4	49
198	Combination therapy with cerivastatin and nifedipine improves endothelial dysfunction after balloon injury in porcine coronary arteries. <i>Journal of Cardiovascular Pharmacology</i> , <b>2005</b> , 46, 1-6	3.1	6
197	Impact of sex and age on coronary basal tone. <i>Internal Medicine</i> , <b>2005</b> , 44, 354-5	1.1	2
196	Effects of Hydroxyfasudil Administered to the Nucleus Tractus Solitarii on Blood Pressure and Heart Rate in Spontaneously Hypertensive Rats. <i>Clinical and Experimental Hypertension</i> , <b>2005</b> , 27, 269-277	2.2	9
195	Effects of nitric oxide synthase isoform deletion on oxytocin and vasopressin messenger RNA in mouse hypothalamus. <i>NeuroReport</i> , <b>2005</b> , 16, 413-7	1.7	9
194	Overexpression of eNOS in brain stem reduces enhanced sympathetic drive in mice with myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 289, H2159-66	5.2	22
193	Effects of Hydroxyfasudil Administered to the Nucleus Tractus Solitarii on Blood Pressure and Heart Rate in Spontaneously Hypertensive Rats. <i>Clinical and Experimental Hypertension</i> , <b>2005</b> , 27, 269-277	2.2	5
192	Statins prevent pulsatile stretch-induced proliferation of human saphenous vein smooth muscle cells via inhibition of Rho/Rho-kinase pathway. <i>Cardiovascular Research</i> , <b>2005</b> , 68, 475-82	9.9	42
191	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
190	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
189	Vascular neuronal NO synthase is selectively upregulated by platelet-derived growth factor: involvement of the MEK/ERK pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2502-8	9.4	39
188	Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats. <i>Hypertension</i> , <b>2005</b> , 46, 360-365	8.5	12
187	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
186	Coronary microvascular dysfunction in patients with microvascular angina: analysis by TIMI frame count. <i>Journal of Cardiovascular Pharmacology</i> , <b>2005</b> , 46, 622-6	3.1	23



185	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
184	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
183	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
182	The involvement of the rho-kinase pathway and its regulation in cytokine-induced collagen gel contraction by hyalocytes. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 3896-903		57
181	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
180	Rho/Rho-kinase pathway in the brainstem contributes to hypertension caused by chronic nitric oxide synthase inhibition. <i>Hypertension</i> , <b>2004</b> , 43, 156-62	8.5	56
179	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
178	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
177	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
176	Changing characteristics of patients with vasospastic angina in the era of new calcium channel blockers. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 480-5	3.1	40
175	Inhibition of Rho-kinase in the brainstem augments baroreflex control of heart rate in rats. <i>Hypertension</i> , <b>2004</b> , 44, 478-83	8.5	14
174	Postprandial increase in plasma concentrations of remnant-like particles: an independent risk factor for restenosis after percutaneous coronary intervention. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 66-73	3.1	11
173	Important role of superoxide dismutase in EDHF-mediated responses of human mesenteric arteries. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 552-6	3.1	32
172	Total Abdominal Hysterectomy May Be a Risk Factor for Acute Myocardial Infarction in Postmenopausal Women: An Age-Matched, Case-Controlled Retrospective Analysis. <i>Journal of Gynecologic Surgery</i> , <b>2004</b> , 20, 75-80	0.4	1
171	Remnant lipoproteins from patients with sudden cardiac death enhance coronary vasospastic activity through upregulation of Rho-kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 918-22	9.4	52
170	In vivo MR detection of vascular endothelial injury using a new class of MRI contrast agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2787-90	2.9	14
169	Hydrogen peroxide as an endothelium-derived hyperpolarizing factor. <i>Pharmacological Research</i> , <b>2004</b> , 49, 543-9	10.2	94
168	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

167	Involvement of Rho-kinase in cold ischemia-reperfusion injury after liver transplantation in rats. <i>Transplantation</i> , <b>2004</b> , 78, 375-82	1.8	35
166	Usefulness of fasudil, a Rho-kinase inhibitor, to treat intractable severe coronary spasm after coronary artery bypass surgery. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 275-7	3.1	61
165	Up-regulated neuronal nitric oxide synthase compensates coronary flow response to bradykinin in endothelial nitric oxide synthase-deficient mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 437-45	2.1	26
164	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
163	Endothelial nitric oxide synthase-independent effects of an ACE inhibitor on coronary flow response to bradykinin in aged mice. <i>Journal of Cardiovascular Pharmacology</i> , <b>2004</b> , 44, 557-63	3.1	10
162	First functionalized MRI contrast agent recognizing vascular lesions. <i>Analytical Sciences</i> , <b>2004</b> , 20, 5-7	1.7	5
161	Rho-kinase, a potential therapeutic target for the treatment of hypertension. <i>Drug News and Perspectives</i> , <b>2004</b> , 17, 523-7		31
160	Possible involvement of macrophage-colony stimulating factor in the pathogenesis of cardiac dysfunction in hemodialysis patients. <i>International Heart Journal</i> , <b>2004</b> , 45, 497-503		3
159	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
158	Apoptosis induced by inhibition of cyclic AMP response element-binding protein in vascular smooth muscle cells. <i>Circulation</i> , <b>2003</b> , 108, 1246-52	16.7	63
157	Role of endothelium-derived hyperpolarizing factor in human forearm circulation. <i>Hypertension</i> , <b>2003</b> , 42, 919-24	8.5	55
156	Disparity of MCP-1 mRNA and protein expressions between the carotid artery and the aorta in WHHL rabbits: one aspect involved in the regional difference in atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 244-50	9.4	22
155	Overexpression of matrix metalloproteinase-9 promotes intravascular thrombus formation in porcine coronary arteries in vivo. <i>Cardiovascular Research</i> , <b>2003</b> , 57, 572-85	9.9	44
154	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
153	Propagermanium suppresses macrophage-mediated formation of coronary arteriosclerotic lesions in pigs in vivo. <i>Journal of Cardiovascular Pharmacology</i> , <b>2003</b> , 41, 372-80	3.1	9
152	Atorvastatin causes depressor and sympatho-inhibitory effects with upregulation of nitric oxide synthases in stroke-prone spontaneously hypertensive rats. <i>Journal of Hypertension</i> , <b>2003</b> , 21, 379-86	1.9	64
151	Long-term treatment with propagermanium suppresses atherosclerosis in WHHL rabbits. <i>Journal of Cardiovascular Pharmacology</i> , <b>2003</b> , 41, 171-7	3.1	10
150	Acute vasodilator effects of HMG-CoA reductase inhibitors: involvement of PI3-kinase/Akt pathway and Kv channels. <i>Journal of Cardiovascular Pharmacology</i> , <b>2003</b> , 42, 118-24	3.1	27

149	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in animals and humans. <i>Journal of Pharmacological Sciences</i> , <b>2003</b> , 92, 1-6	3.7	53
148	Overexpression of tumor necrosis factor-alpha increases production of hydroxyl radical in murine myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 284, H449-55	5.2	33
147	Intramuscular gene transfer of FGF-2 attenuates endothelial dysfunction and inhibits intimal hyperplasia of vein grafts in poor-runoff limbs of rabbit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H173-82	5.2	23
146	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
145	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
144	Downregulation of vascular angiotensin II type 1 receptor by thyroid hormone. <i>Hypertension</i> , <b>2003</b> , 41, 598-603	8.5	63
143	Overexpression of eNOS in RVLM improves impaired baroreflex control of heart rate in SHRSP. Rostral ventrolateral medulla. Stroke-prone spontaneously hypertensive rats. <i>Hypertension</i> , <b>2003</b> , 41, 255-60	8.5	63
142	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
141	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
140	Application of nanoparticle technology for the prevention of restenosis after balloon injury in rats. <i>Circulation Research</i> , <b>2003</b> , 92, e62-9	15.7	64
139	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
138	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
137	Enhanced depressor response to endothelial nitric oxide synthase gene transfer into the nucleus tractus solitarii of spontaneously hypertensive rats. <i>Hypertension Research</i> , <b>2003</b> , 26, 325-31	4.7	31
136	Pivotal role of Cu,Zn-superoxide dismutase in endothelium-dependent hyperpolarization. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1871-9	15.9	38
135	Involvement of rho-kinase in agonists-induced contractions of arteriosclerotic human arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 243-8	9.4	70
134	Long-term treatment with eicosapentaenoic acid improves exercise-induced vasodilation in patients with coronary artery disease. <i>Hypertension Research</i> , <b>2002</b> , 25, 823-9	4.7	38
133	Long-term inhibition of nitric oxide synthesis increases arterial thrombogenicity in rat carotid artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H1478-84	5.2	23
132	Fasudil attenuates interstitial fibrosis in rat kidneys with unilateral ureteral obstruction. <i>European Journal of Pharmacology</i> , <b>2002</b> , 455, 169-74	5.3	69

131	Augmented vasodilator response to L-arginine after coronary angioplasty may attenuate restenosis. <i>Heart and Vessels</i> , <b>2002</b> , 16, 171-4	2.1	4
130	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
129	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
128	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
127	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
126	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
125	Rho-kinase mediates hypoxia-induced downregulation of endothelial nitric oxide synthase. <i>Circulation</i> , <b>2002</b> , 106, 57-62	16.7	421
124	Vasculoprotective roles of neuronal nitric oxide synthase. <i>FASEB Journal</i> , <b>2002</b> , 16, 1994-6	0.9	86
123	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
122	Long-term treatment with perindopril ameliorates dobutamine-induced myocardial ischemia in patients with coronary artery disease. <i>The Japanese Journal of Pharmacology</i> , <b>2002</b> , 88, 100-7		11
121	Tetrahydrobiopterin improves impaired endothelium-dependent forearm vasodilation in patients with heart failure. <i>Journal of Cardiovascular Pharmacology</i> , <b>2002</b> , 39, 363-8	3.1	48
120	Prognostic significance of plasma concentrations of transforming growth factor-beta in patients with coronary artery disease. <i>Coronary Artery Disease</i> , <b>2002</b> , 13, 139-43	1.4	40
119	Reduction in neointimal formation with a stent coated with multiple layers of releasable heparin in porcine coronary arteries. <i>Journal of Cardiovascular Pharmacology</i> , <b>2002</b> , 39, 513-22	3.1	28
118	Myocarditis associated with visceral larva migrans due to <i>Toxocara canis</i> . <i>Internal Medicine</i> , <b>2002</b> , 41, 706-8	1.1	27
117	Involvement of inducible nitric oxide synthase in cardiac dysfunction with tumor necrosis factor-alpha. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H2159-66	5.2	35
116	Disruption of inducible nitric oxide synthase improves beta-adrenergic inotropic responsiveness but not the survival of mice with cytokine-induced cardiomyopathy. <i>Circulation Research</i> , <b>2002</b> , 90, 959-65	15.7	56
115	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
114	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

113	Inhibition of Rho-kinase induces alphaB-crystallin expression in lens epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 294, 981-7	3.4	5
112	Effects of Rho-kinase inhibitor on vasopressin-induced chronic myocardial damage in rats. <i>Life Sciences</i> , <b>2002</b> , 72, 103-12	6.8	20
111	Coronary Artery Spasm: Basic Aspects <b>2002</b> , 912-920		1
110	Application of nanotechnology for the prevention of neointimal formation after balloon injury in rats.. <i>Drug Delivery System</i> , <b>2002</b> , 17, 471-477	0	
109	Coronary Artery Spasm: Clinical Aspects <b>2002</b> , 921-930		1
108	In vivo gene transfer of dominant-negative rho-kinase induces regression of coronary arteriosclerosis in pigs. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 947, 407-11	6.5	13
107	Role of nitric oxide in regulation of coronary blood flow in response to increased metabolic demand in dogs with pacing-induced heart failure. <i>Japanese Circulation Journal</i> , <b>2001</b> , 65, 827-33		6
106	Possible involvement of Rho-kinase in the pathogenesis of hypertension in humans. <i>Hypertension</i> , <b>2001</b> , 38, 1307-10	8.5	280
105	Elevated interleukin-1beta in pericardial fluid of patients with ischemic heart disease. <i>Coronary Artery Disease</i> , <b>2001</b> , 12, 567-71	1.4	17
104	Involvement of Rho-kinase in vascular remodeling caused by long-term inhibition of nitric oxide synthesis in rats. <i>European Journal of Pharmacology</i> , <b>2001</b> , 427, 69-75	5.3	32
103	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
102	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
101	Thrombin induces interleukin-6 expression through the cAMP response element in vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 1759-63	9.4	48
100	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
99	An anti-inflammatory drug, propagermanium, may target GPI-anchored proteins associated with an MCP-1 receptor, CCR2. <i>Journal of Interferon and Cytokine Research</i> , <b>2001</b> , 21, 389-98	3.5	44
98	C-type natriuretic peptide and vascular remodeling: Reply. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 37, 333-334	15.1	
97	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>		72
96	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

95	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
94	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
93	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
92	Increased inactivation of nitric oxide is involved in coronary endothelial dysfunction in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H68-75	5.2	43
91	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> , <b>2001</b> , 281, H2619-25	5.2	16
90	Involvement of Rho-kinase in hypertensive vascular disease is a novel therapeutic target in hypertension. <i>FASEB Journal</i> , <b>2001</b> , 15, 1062-1064	0.9	206
89	Role of cytokines in the pathogenesis of restenosis after percutaneous transluminal coronary angioplasty. <i>Coronary Artery Disease</i> , <b>2001</b> , 12, 107-13	1.4	28
88	Antischematic properties of fasudil in experimental models of vasospastic angina. <i>The Japanese Journal of Pharmacology</i> , <b>2001</b> , 87, 34-40		26
87	Purification and in vitro activity of Rho-associated kinase. <i>Methods in Enzymology</i> , <b>2000</b> , 325, 149-55	1.7	16
86	Gene transfer of dominant negative Rho kinase suppresses neointimal formation after balloon injury in pigs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H1744-50	5.2	67
85	Role of transforming growth factor-beta1 in cardiovascular inflammatory changes induced by chronic inhibition of nitric oxide synthesis. <i>Hypertension</i> , <b>2000</b> , 35, 86-90	8.5	58
84	Different vasculoprotective roles of NO synthase isoforms in vascular lesion formation in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, E96-E100	9.4	70
83	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
82	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
81	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
80	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
79	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
78	Overexpression of eNOS in NTS causes hypotension and bradycardia in vivo. <i>Hypertension</i> , <b>2000</b> , 36, 1023-8	9.4	94



77	Local adenovirus-mediated transfer of C-type natriuretic peptide suppresses vascular remodeling in porcine coronary arteries in vivo. <i>Journal of the American College of Cardiology</i> , <b>2000</b> , 35, 1040-7	15.1	46
76	Cellular and molecular mechanisms of coronary artery spasm: lessons from animal models. <i>Japanese Circulation Journal</i> , <b>2000</b> , 64, 1-12		138
75	Coronary vascular K+ATP channels contribute to the maintenance of myocardial perfusion in dogs with pacing-induced heart failure. <i>Japanese Circulation Journal</i> , <b>2000</b> , 64, 701-7		13
74	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
73	Adventitia-derived Macrophages Contribute to the Formation of Coronary Arteriosclerotic Lesions in Pigs in Vivo-Potentiating Effect of Oxidative Stress- <b>2000</b> , 269-271		
72	Sarpogrelate, a selective 5-HT <sub>2A</sub> serotonergic receptor antagonist, inhibits serotonin-induced coronary artery spasm in a porcine model. <i>Journal of Cardiovascular Pharmacology</i> , <b>2000</b> , 35, 294-301	3.1	57
71	Increased expression of L-type calcium channels in vascular smooth muscle cells at spastic site in a porcine model of coronary artery spasm. <i>Journal of Cardiovascular Pharmacology</i> , <b>2000</b> , 35, 822-8	3.1	13
70	Endothelial vasodilator function is preserved at the spastic/inflammatory coronary lesions in pigs. <i>Circulation</i> , <b>1999</b> , 100, 1432-7	16.7	28
69	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
68	Primary endothelial dysfunction: atherosclerosis. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 23-37	5.8	339
67	Long-term vascular effects of Nomega-nitro-L-arginine methyl ester are not solely mediated by inhibition of endothelial nitric oxide synthesis in the rat mesenteric artery. <i>Journal of Cardiovascular Pharmacology</i> , <b>1999</b> , 33, 554-66	3.1	15
66	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
65	Important role of endothelium-derived hyperpolarizing factor in shear stress--induced endothelium-dependent relaxations in the rat mesenteric artery. <i>Journal of Cardiovascular Pharmacology</i> , <b>1999</b> , 34, 381-7	3.1	59
64	Angina pectoris caused by coronary microvascular spasm. <i>Lancet, The</i> , <b>1998</b> , 351, 1165-9	4.0	238
63	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
62	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
61	Inhibition of adhesion molecules markedly ameliorates cytokine-induced sustained myocardial dysfunction in dogs in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1998</b> , 30, 2637-50	5.8	9
60	Cytokine generation capacities of monocytes are reduced in patients with severe heart failure. <i>American Heart Journal</i> , <b>1998</b> , 136, 991-1002	4.9	21

59	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
58	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
57	Endothelial dysfunction in hypertension. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>1998</b> , 4, 118-27	4	33
56	Central role of vascular smooth muscle hyperreactivity in coronary hyperconstriction after balloon injury in miniature pigs. <i>Coronary Artery Disease</i> , <b>1997</b> , 8, 69-75	1.4	5
55	Altered plasma levels of cytokines in patients with ischemic heart disease. <i>Coronary Artery Disease</i> , <b>1997</b> , 8, 143-7	1.4	51
54	Platelet activating factor causes hyperconstriction at the inflammatory coronary lesions in pigs in vivo. <i>Coronary Artery Disease</i> , <b>1997</b> , 8, 423-32	1.4	9
53	Correlations between recruitable coronary collateral flow velocities, distal occlusion pressure, and electrocardiographic changes in patients undergoing angioplasty. <i>Japanese Circulation Journal</i> , <b>1997</b> , 61, 971-8		6
52	Bradykinin-induced vasodilation of human coronary arteries in vivo: role of nitric oxide and angiotensin-converting enzyme. <i>Journal of the American College of Cardiology</i> , <b>1997</b> , 30, 108-12	15.1	69
51	Short-term estrogen administration ameliorates dobutamine-induced myocardial ischemia in postmenopausal women with coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>1997</b> , 30, 1466-71	15.1	23
50	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
49	Vasculoprotective role of inducible nitric oxide synthase at inflammatory coronary lesions induced by chronic treatment with interleukin-1beta in pigs in vivo. <i>Circulation</i> , <b>1997</b> , 96, 3104-11	16.7	30
48	Basal release of nitric oxide is decreased in the coronary circulation in patients with heart failure. <i>Hypertension</i> , <b>1997</b> , 30, 50-6	8.5	52
47	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
46	Inflammatory cytokines cause coronary arteriosclerosis-like changes and alterations in the smooth-muscle phenotypes in pigs. <i>Journal of Cardiovascular Pharmacology</i> , <b>1997</b> , 29, 222-31	3.1	69
45	Tyrosine kinase inhibitor markedly suppresses the development of coronary lesions induced by long-term treatment with platelet-derived growth factor in pigs in vivo. <i>Journal of Cardiovascular Pharmacology</i> , <b>1997</b> , 29, 536-45	3.1	14
44	Role of nitric oxide in substance P-induced vasodilation differs between the coronary and forearm circulation in humans. <i>Journal of Cardiovascular Pharmacology</i> , <b>1997</b> , 29, 546-53	3.1	29
43	Glibenclamide, a specific inhibitor of ATP-sensitive K <sup>+</sup> channels, inhibits coronary vasodilation induced by angiotensin II-receptor antagonists. <i>Journal of Cardiovascular Pharmacology</i> , <b>1997</b> , 30, 313-9	3.1	8
42	Short-term estrogen augments both nitric oxide-mediated and non-nitric oxide-mediated endothelium-dependent forearm vasodilation in postmenopausal women. <i>Journal of Cardiovascular Pharmacology</i> , <b>1997</b> , 30, 481-8	3.1	62

41	Recurrent myocardial infarction provoked by multiple giant coronary aneurysms. A case report. <i>Angiology</i> , <b>1996</b> , 47, 311-4	2.1	7
40	Tyrosine kinase inhibitor suppresses the (re) stenotic changes of the coronary artery after balloon injury in pigs. <i>Cardiovascular Research</i> , <b>1996</b> , 32, 1131-40	9.9	22
39	Basal release of endothelium-derived nitric oxide at site of spasm in patients with variant angina. <i>Journal of the American College of Cardiology</i> , <b>1996</b> , 27, 1444-9	15.1	52
38	Coronary vascular ATP-sensitive potassium channels are activated to a greater extent in spontaneously hypertensive rats than in Wistar-Kyoto rats. <i>Journal of Hypertension</i> , <b>1996</b> , 14, 183-9	1.9	8
37	Effect of cilostazol, a novel anti-platelet drug, on restenosis after percutaneous transluminal coronary angioplasty. <i>Japanese Circulation Journal</i> , <b>1996</b> , 60, 207-15		10
36	Granulocyte activation in restenosis after percutaneous transluminal coronary angioplasty. <i>Japanese Circulation Journal</i> , <b>1996</b> , 60, 27-34		7
35	Disappearance of coronary artery-ventricular fistulas after a radical operation for tetralogy of Fallot. <i>Japanese Circulation Journal</i> , <b>1996</b> , 60, 624-7		
34	Altered serotonin receptor subtypes mediate coronary microvascular hyperreactivity in pigs with chronic inhibition of nitric oxide synthesis. <i>Circulation</i> , <b>1996</b> , 94, 182-9	16.7	33
33	Coronary artery spasm does not depend on the intracellular calcium store but is substantially mediated by the protein kinase C-mediated pathway in a swine model with interleukin-1 beta in vivo. <i>Circulation</i> , <b>1996</b> , 94, 190-6	16.7	28
32	Endothelial Gi protein expression is markedly low in human coronary microvessels. <i>Journal of Cardiovascular Pharmacology</i> , <b>1996</b> , 27, 297-302	3.1	6
31	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
30	Significance of defective endothelial signal transduction in impaired endothelium-dependent relaxation in atherosclerosis. <i>Gerontology</i> , <b>1995</b> , 41 Suppl 1, 28-33	5.5	5
29	Endothelium-derived nitric oxide does not modulate metabolic coronary vasodilation induced by tachycardia in dogs. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 26, 437-44	3.1	9
28	Monocyte-related cytokines in acute myocardial infarction. <i>American Heart Journal</i> , <b>1995</b> , 130, 446-52	4.9	58
27	Inhibitory effects of aspirin on coronary hyperreactivity to autacoids after arterial balloon injury in miniature pigs. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 25, 273-81	3.1	2
26	Endothelium-dependent regulation of the cardiovascular system. <i>Internal Medicine</i> , <b>1995</b> , 34, 939-46	1.1	29
25	Endothelin-1 is not involved in serotonin-induced coronary spasm in a swine model. <i>Cardiovascular Research</i> , <b>1995</b> , 30, 193-199	9.9	1
24	Bradykinin-induced vasodilation is impaired at the atherosclerotic site but is preserved at the spastic site of human coronary arteries in vivo. <i>Circulation</i> , <b>1995</b> , 92, 183-9	16.7	59

23	Glibenclamide, a selective inhibitor of ATP-sensitive K <sup>+</sup> channels, attenuates metabolic coronary vasodilatation induced by pacing tachycardia in dogs. <i>Circulation</i> , <b>1995</b> , 92, 511-7	16.7	25
22	Chronic inhibition of endothelium-derived nitric oxide synthesis causes coronary microvascular structural changes and hyperreactivity to serotonin in pigs. <i>Circulation</i> , <b>1995</b> , 92, 2636-44	16.7	64
21	Chronic inhibition of nitric oxide synthesis causes coronary microvascular remodeling in rats. <i>Hypertension</i> , <b>1995</b> , 26, 957-62	8.5	141
20	Genetic linkage analyses of Romano-Ward syndrome (RWS) in 13 Japanese families. <i>Human Genetics</i> , <b>1994</b> , 94, 380-4	6.3	6
19	Clinical characteristics of patients with spontaneous remission of variant angina. <i>Japanese Circulation Journal</i> , <b>1993</b> , 57, 117-22		16
18	Hyperreactivity of aortic smooth muscle to serotonin is related to the presence of atheroma in Watanabe heritable hyperlipidaemic rabbits. <i>Cardiovascular Research</i> , <b>1993</b> , 27, 2164-9	9.9	10
17	Intracellular magnesium deficiency in acute myocardial infarction. <i>International Heart Journal</i> , <b>1993</b> , 34, 391-401		4
16	Alcohol-induced sinus bradycardia and hypotension in patients with syncope. <i>International Heart Journal</i> , <b>1992</b> , 33, 875-9		7
15	Angiographic demonstration of hyperconstriction induced by serotonin and aggregating platelets in porcine coronary arteries with regenerated endothelium. <i>Journal of the American College of Cardiology</i> , <b>1991</b> , 17, 1197-202	15.1	41
14	Endothelium-Dependent Relaxations to Serotonin: Signal Transduction and Effects of Diets <b>1990</b> , 97-104		
13	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>		80
12	Hypercholesterolemia impairs endothelium-dependent relaxations to aggregating platelets in porcine iliac arteries. <i>Journal of Vascular Surgery</i> , <b>1989</b> , 10, 318-325	3.5	35
11	Dietary omega 3 polyunsaturated fatty acids augment endothelium-dependent relaxation to bradykinin in coronary microvessels of the pig. <i>British Journal of Pharmacology</i> , <b>1988</b> , 95, 1191-6	8.6	31
10	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
9	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 <sup>3.2</sup>		103
8	Two cases of dilated cardiomyopathy complicated by left ventricular aneurysm. <i>Chest</i> , <b>1987</b> , 92, 377-9	5.3	7
7	Prostanoids, coronary circulation and coronary artery spasm in open chest dogs and miniature pigs. <i>Japanese Circulation Journal</i> , <b>1987</b> , 51, 459-61		4
6	Demonstration of exercise-induced myocardial ischemia in a case of multiple coronary arterioventricular fistulas. <i>American Heart Journal</i> , <b>1986</b> , 112, 1096-7	4.9	3

- 5 Human leucocyte antigen and coronary artery spasm. *International Journal of Cardiology*, **1986**, 12, 362-5<sub>3,2</sub> 6
- 4 Histamine-induced spasm not significantly modulated by prostanoids in a swine model of coronary artery spasm. *Journal of the American College of Cardiology*, **1985**, 6, 321-7 15.1 19
- 3 Coronary artery spasm induced in miniature swine: angiographic evidence and relation to coronary atherosclerosis. *American Heart Journal*, **1985**, 110, 300-10 4.9 86
- 2 Variable exercise capacity in variant angina and greater exertional thallium-201 myocardial defect during vasospastic ischemic ST segment elevation than with ST depression. *American Heart Journal*, **1982**, 103, 142-5 4.9 13
- 1 Ferroptosis is programmed by the coordinated regulation of glutathione and iron metabolism by BACH1 1