

Sung-Gyun Ahn

List of Publications by Citations

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

91
papers

884
citations

17
h-index

24
g-index

123
ext. papers

1,090
ext. citations

3.3
avg, IF

3.62
L-index

#	Paper	IF	Citations
91	Clinical Feasibility of 3D Automated Coronary Atherosclerotic Plaque Quantification Algorithm on Coronary Computed Tomography Angiography: Comparison with Intravascular Ultrasound. <i>European Radiology</i> , 2015 , 25, 3073-83	8	63
90	Different prognostic significance of high on-treatment platelet reactivity as assessed by the VerifyNow P2Y12 assay after coronary stenting in patients with and without acute myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , 2012 , 5, 259-67	5	60
89	Real-world experience of the left distal transradial approach for coronary angiography and percutaneous coronary intervention: a prospective observational study (LeDRA). <i>EuroIntervention</i> , 2018 , 14, e995-e1003	3.1	56
88	Impact of body mass index on the relationship of epicardial adipose tissue to metabolic syndrome and coronary artery disease in an Asian population. <i>Cardiovascular Diabetology</i> , 2010 , 9, 29	8.7	36
87	The ratio of serum leptin to adiponectin provides adjunctive information to the risk of metabolic syndrome beyond the homeostasis model assessment insulin resistance: the Korean Genomic Rural Cohort Study. <i>Clinica Chimica Acta</i> , 2011 , 412, 2199-205	6.2	29
86	Prognostic value of short-term follow-up BNP in hospitalized patients with heart failure. <i>BMC Cardiovascular Disorders</i> , 2017 , 17, 215	2.3	25
85	Combination of the Thermodilution-Derived Index of Microcirculatory Resistance and Coronary Flow Reserve Is Highly Predictive of Microvascular Obstruction on Cardiac Magnetic Resonance Imaging After ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2016 , 8, 1003-1011	5	25
84	Normative values and correlates of mean common carotid intima-media thickness in the Korean rural middle-aged population: the Atherosclerosis Risk of Rural Areas in Korea General Population (ARIRANG) study. <i>Journal of Korean Medical Science</i> , 2011 , 26, 365-71	4.7	23
83	Validation of the MAGGIC (Meta-Analysis Global Group in Chronic Heart Failure) heart failure risk score and the effect of adding natriuretic peptide for predicting mortality after discharge in hospitalized patients with heart failure. <i>PLoS ONE</i> , 2018 , 13, e0206380	3.7	23
82	Intravascular ultrasound-guided primary percutaneous coronary intervention with drug-eluting stent implantation in patients with ST-segment elevation myocardial infarction. <i>Clinical Cardiology</i> , 2011 , 34, 706-13	3.3	21
81	Discordance Between Fractional Flow Reserve and Coronary Flow Reserve: Insights From Intracoronary Imaging and Physiological Assessment. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 999-1007	5.0	20
80	Feasibility of transradial coronary intervention using a sheathless guiding catheter in patients with small radial artery. <i>Korean Circulation Journal</i> , 2011 , 41, 143-8	2.2	20
79	Benefit of Prolonged Dual Antiplatelet Therapy After Implantation of Drug-Eluting Stent for Coronary Bifurcation Lesions: Results From the Coronary Bifurcation Stenting Registry II. <i>Circulation: Cardiovascular Interventions</i> , 2018 , 11, e005849	6	19
78	Performance of J-CTO and PROGRESS CTO Scores in Predicting Angiographic Success and Long-term Outcomes of Percutaneous Coronary Interventions for Chronic Total Occlusions. <i>American Journal of Cardiology</i> , 2018 , 121, 14-20	3	18
77	Efficacy of combination treatment with intracoronary abciximab and aspiration thrombectomy on myocardial perfusion in patients with ST-segment elevation myocardial infarction undergoing primary coronary stenting. <i>Yonsei Medical Journal</i> , 2014 , 55, 606-16	3	18
76	Urinary levels of 8-iso-prostaglandin F _{2α} and 8-hydroxydeoxyguanine as markers of oxidative stress in patients with coronary artery disease. <i>Korean Circulation Journal</i> , 2012 , 42, 614-7	2.2	18
75	Effects of genetic variants on platelet reactivity and one-year clinical outcomes after percutaneous coronary intervention: A prospective multicentre registry study. <i>Scientific Reports</i> , 2018 , 8, 1229	4.9	17

74	Comprehensive Assessment of Coronary Plaque Progression With Advanced Intravascular Imaging, Physiological Measures, and Wall Shear Stress: A Pilot Double-Blinded Randomized Controlled Clinical Trial of Nebivolol Versus Atenolol in Nonobstructive Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2015 , 5.	6	17
73	Multicenter randomized trial of 3-month cilostazol use in addition to dual antiplatelet therapy after biolimus-eluting stent implantation for long or multivessel coronary artery disease. <i>American Heart Journal</i> , 2014 , 167, 241-248.e1	4.9	16
72	Fragmented QRS complexes are not hallmarks of myocardial injury as detected by cardiac magnetic resonance imaging in patients with acute myocardial infarction. <i>International Journal of Cardiology</i> , 2013 , 168, 2008-13	3.2	15
71	Association of Wall Shear Stress with Coronary Plaque Progression and Transformation. <i>Interventional Cardiology Clinics</i> , 2015 , 4, 491-502	1.4	14
70	Impact of Longitudinal Changes in Metabolic Syndrome Status over 2 Years on 10-Year Incident Diabetes Mellitus. <i>Diabetes and Metabolism Journal</i> , 2019 , 43, 530-538	5	14
69	Intravascular ultrasound-guided percutaneous coronary intervention improves the clinical outcome in patients undergoing multiple overlapping drug-eluting stents implantation. <i>Korean Circulation Journal</i> , 2013 , 43, 231-8	2.2	13
68	Differential relationship between metabolic syndrome score and severity of coronary atherosclerosis as assessed by angiography in a non-diabetic and diabetic Korean population. <i>Journal of Korean Medical Science</i> , 2011 , 26, 900-5	4.7	13
67	Is There a Sex-Related Difference in the Obesity Paradox in Systolic Heart Failure? Sex-Related Difference in the Obesity Paradox. <i>Yonsei Medical Journal</i> , 2018 , 59, 57-62	3	13
66	Urine Albumin Creatinine Ratio is Associated with Carotid Atherosclerosis in a Community Based Cohort: Atherosclerosis Risk of Rural Area in Korean General Population Study. <i>Journal of Cardiovascular Imaging</i> , 2010 , 18, 134-8	0	12
65	Co-treatment with interferon- β and 1-methyl tryptophan ameliorates cardiac fibrosis through cardiac myofibroblasts apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2019 , 458, 197-205	4.2	11
64	Isoproterenol Enhances Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand-Induced Apoptosis in Human Embryonic Kidney Cells through Death Receptor 5 up-Regulation. <i>Korean Circulation Journal</i> , 2016 , 46, 93-8	2.2	11
63	Intracardiac bone cement embolism. <i>Heart</i> , 2010 , 96, 387	5.1	11
62	Hypersensitivity myocarditis confirmed by cardiac magnetic resonance imaging and endomyocardial biopsy. <i>Korean Journal of Internal Medicine</i> , 2014 , 29, 236-40	2.5	11
61	A pharmacodynamic study of the optimal P2Y12 inhibitor regimen for East Asian patients with acute coronary syndrome. <i>Korean Journal of Internal Medicine</i> , 2015 , 30, 620-8	2.5	11
60	Genotype- and Phenotype-Directed Personalization of Antiplatelet Treatment in Patients with Non-ST Elevation Acute Coronary Syndromes Undergoing Coronary Stenting. <i>Korean Circulation Journal</i> , 2013 , 43, 541-9	2.2	10
59	The impact of initial and residual thrombus burden on the no-reflow phenomenon in patients with ST-segment elevation myocardial infarction. <i>Coronary Artery Disease</i> , 2015 , 26, 245-53	1.4	9
58	Current Practice of Transradial Coronary Angiography and Intervention: Results from the Korean Transradial Intervention Prospective Registry. <i>Korean Circulation Journal</i> , 2015 , 45, 457-68	2.2	9
57	Eutectic mixture of local anesthesia cream can reduce both the radial pain and sympathetic response during transradial coronary angiography. <i>Korean Circulation Journal</i> , 2011 , 41, 726-32	2.2	9

56	Impact of myocardial perfusion on left atrial remodeling following primary angioplasty for acute myocardial infarction. <i>Coronary Artery Disease</i> , 2006 , 17, 597-603	1.4	9
55	Prognostic Effect of Guideline-Directed Therapy Is More Noticeable Early in the Course of Heart Failure. <i>Journal of Korean Medical Science</i> , 2019 , 34, e133	4.7	9
54	A prospective study of epicardial adipose tissue and incident metabolic syndrome: the ARIRANG study. <i>Journal of Korean Medical Science</i> , 2013 , 28, 1762-7	4.7	8
53	Echocardiographic Plains Reflecting Total Amount of Epicardial Adipose Tissue as Risk Factor of Coronary Artery Disease. <i>Journal of Cardiovascular Imaging</i> , 2008 , 16, 17	0	8
52	Prognostic impact of preexisting hypertension and high systolic blood pressure at admission in patients hospitalized for systolic heart failure. <i>Journal of Cardiology</i> , 2016 , 67, 418-23	3	8
51	Guideline-directed therapy at discharge in patients with heart failure and atrial fibrillation. <i>Heart</i> , 2020 , 106, 292-298	5.1	7
50	Impact of Chronic Kidney Disease on Clinical Outcomes in Diabetic Patients Undergoing Percutaneous Coronary Intervention in the Era of Newer-Generation Drug-Eluting Stents. <i>Korean Circulation Journal</i> , 2017 , 47, 222-230	2.2	7
49	Is E/ERreliable in patients with regional wall motion abnormalities to estimate left ventricular filling pressure?. <i>International Journal of Cardiovascular Imaging</i> , 2009 , 25, 33-9	2.5	7
48	Remote Ischemic Conditioning by Effluent Collected from a Novel Isolated Hindlimb Model Reduces Infarct Size in an Isolated Heart Model. <i>Korean Circulation Journal</i> , 2017 , 47, 714-726	2.2	6
47	Switching from prasugrel to clopidogrel based on Cytochrome P450 2C19 genotyping in East Asian patients stabilized after acute myocardial infarction. <i>Platelets</i> , 2016 , 27, 301-7	3.6	6
46	Abdominal obesity and structure and function of the heart in healthy male Koreans: The ARIRANG study. <i>Medicine (United States)</i> , 2016 , 95, e4930	1.8	6
45	Patterns of Antiplatelet Therapy During Noncardiac Surgery in Patients With Second-Generation Drug-Eluting Stents. <i>Journal of the American Heart Association</i> , 2020 , 9, e016218	6	5
44	In-stent area stenosis on 64-slice multi-detector computed tomography coronary angiography: optimal cutoff value for minimum lumen cross-sectional area of coronary stents compared with intravascular ultrasound. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28 Suppl 1, 21-31	2.5	5
43	Intra-individual variability of residual platelet reactivity assessed by the VerifyNow-P2Y12 assay in patients with clopidogrel resistance after percutaneous coronary intervention. <i>Platelets</i> , 2011 , 22, 305-7 ^{3.6}	3.6	5
42	Anomalous Origin of the Left Coronary Artery from the Right Sinus of Valsalva, which Presented as Acute Myocardial Infarction. <i>Korean Circulation Journal</i> , 2006 , 36, 817	2.2	5
41	Effect of distal protection device on the microvascular integrity in acute myocardial infarction during primary percutaneous coronary intervention. <i>Circulation Journal</i> , 2006 , 70, 1284-9	2.9	5
40	Safety and Efficacy of a New Ultrathin Sirolimus-Eluting Stent with Abluminal Biodegradable Polymer in Real-World Practice. <i>Korean Circulation Journal</i> , 2020 , 50, 317-327	2.2	5
39	Study design and rationale of "a multicenter, open-labeled, randomized controlled trial comparing three 2nd-generation drug-eluting stents in real-world practice" (CHOICE trial). <i>American Heart Journal</i> , 2013 , 166, 224-9	4.9	4

38	Do different arterial stiffness parameters provide similar information in high-risk patients for coronary artery disease?. <i>Korean Circulation Journal</i> , 2013 , 43, 819-24	2.2	4
37	Transient receptor potential channel TRPV4 mediates TGF- β -induced differentiation of human ventricular fibroblasts. <i>Cardiology Journal</i> , 2020 , 27, 162-170	1.4	4
36	Prognostic value of short-term follow-up B-type natriuretic peptide levels after hospital discharge in patients with acute myocardial infarction. <i>International Journal of Cardiology</i> , 2019 , 289, 19-23	3.2	4
35	Endovascular Stent Grafting via the Left Radial Artery for a Spontaneous Isolated Dissecting Rupture of the Superior Mesenteric Artery. <i>Korean Circulation Journal</i> , 2012 , 42, 140-1	2.2	3
34	Spontaneous Coronary Artery Dissection Manifested during Ergonovine Test and Treated with Intravascular Ultrasound Guided Stenting: A Case Report. <i>Korean Circulation Journal</i> , 2005 , 35, 264	2.2	3
33	Randomized Comparison of Everolimus- and Zotarolimus-Eluting Coronary Stents With Biolimus-Eluting Stents in All-Coroner Patients. <i>Circulation: Cardiovascular Interventions</i> , 2020 , 13, e008526	2.6	2
32	Clinical Impact of Atypical Chest Pain and Diabetes Mellitus in Patients with Acute Myocardial Infarction from Prospective KAMIR-NIH Registry. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
31	Comparison of Blood Pressure Variability Between Losartan and Amlodipine in Essential Hypertension (COMPAS-BPV). <i>American Journal of Hypertension</i> , 2020 , 33, 748-755	2.3	2
30	Clinical and Angiographic Outcomes of the First Korean-made Sirolimus-Eluting Coronary Stent with Abluminal Bioresorbable Polymer. <i>Korean Circulation Journal</i> , 2017 , 47, 898-906	2.2	2
29	The Accuracy of Electrocardiogram Criteria for Left Ventricular Hypertrophy in Korean Cohort (Atherosclerosis Risk of a Rural Area Korean General Population). <i>Journal of the Korean Society of Hypertension</i> , 2013 , 19, 112		2
28	Successful recanalization of chronic total occlusion of the superior mesenteric artery by transradial approach. <i>Journal of Zhejiang University: Science B</i> , 2010 , 11, 627-30	4.5	2
27	Effect of Distal Protection Device on the Microvascular Integrity during Primary Stenting in Acute Myocardial Infarction: Distal Protection Device in Acute Myocardial Infarction. <i>Korean Circulation Journal</i> , 2005 , 35, 106	2.2	2
26	Echocardiographic and Clinical Factors Affecting Normalization of LV Systolic Function in Patients with Cardiomyopathy. <i>Sunhwanji</i> , 2001 , 31, 200		2
25	Intracoronary thrombosis treated with stent and abciximab in patient with membranous glomerulonephritis. <i>Sunhwanji</i> , 2000 , 30, 1307		2
24	Differential association of metabolic syndrome and low-density lipoprotein cholesterol with incident cardiovascular disease according to sex among Koreans: a national population-based study. <i>European Journal of Preventive Cardiology</i> , 2020 ,	3.9	2
23	A randomized, open-label, parallel, multi-center Phase IV study to compare the efficacy and safety of atorvastatin 10 and 20 mg in high-risk Asian patients with hypercholesterolemia. <i>PLoS ONE</i> , 2021 , 16, e0245481	3.7	2
22	How to differentiate the etiology of LV dysfunction as to whether it is "ischemic cardiomyopathy" or "dilated non-ischemic cardiomyopathy"? Invasive coronary and myocardial assessment is the approach of first choice. <i>Journal of Nuclear Cardiology</i> , 2015 , 22, 953-6	2.1	1
21	Addition of N-terminal pro-B-type natriuretic peptide levels to electrocardiography criteria for detection of left ventricular hypertrophy: the ARIRANG study. <i>Journal of Korean Medical Science</i> , 2015 , 30, 407-13	4.7	1

20	Blood Pressure Change and the Associated Factors in a Middle-Aged Korean Rural Population: Atherosclerosis Risk of a Rural Area Korean General Population (ARIRANG) Study. <i>Journal of the Korean Society of Hypertension</i> , 2014 , 20, 31		1
19	Comparison of the safety and efficacy of biodegradable polymer biolimus-eluting stents and durable polymer everolimus-eluting stents: propensity score-matched analysis. <i>Journal of Interventional Cardiology</i> , 2014 , 27, 399-407	1.8	1
18	Predictors of Side Branch Occlusion Immediately after Coronary Stenting: an Intravascular Ultrasound Study. <i>Sunhwanji</i> , 2002 , 32, 655		1
17	The Effect of Preload Reduction on a New Parameter to Evaluate Left Ventricular Diastolic Function. <i>Korean Circulation Journal</i> , 2005 , 35, 827	2.2	1
16	Reference diameter and characteristics of the distal radial artery based on ultrasonographic assessment.. <i>Korean Journal of Internal Medicine</i> , 2022 , 37, 109-118	2.5	1
15	Successful transradial intervention via a radial recurrent artery branch from the radioulnar alpha loop using a sheathless guiding catheter. <i>Yeungnam University Journal of Medicine</i> , 2018 , 35, 94-98	1.3	1
14	Validation of post-stenting fractional flow reserve with intravascular ultrasound parameters for optimal stent deployment. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 197-203	2.5	1
13	Consensus Decision-Making for the Management of Antiplatelet Therapy before Non-Cardiac Surgery in Patients Who Underwent Percutaneous Coronary Intervention With Second-Generation Drug-Eluting Stents: A Cohort Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e020079	6	1
12	Immediate multivessel intervention versus culprit-vessel intervention only in patients with ST-elevation myocardial infarction and multivessel coronary disease: data from the prospective KAMIR-NIH registry. <i>Coronary Artery Disease</i> , 2019 , 30, 95-102	1.4	1
11	In-hospital outcome differences between transradial and transfemoral coronary approaches: Data from the Korean percutaneous coronary intervention registry. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, 378-384	2.7	1
10	Intermittent Claudication due to Cystic Adventitial Disease of the Popliteal Artery: Importance of Multiple Imaging Modalities. <i>Korean Circulation Journal</i> , 2018 , 48, 334-335	2.2	0
9	Ischaemia-induced Osborn waves.. <i>European Heart Journal - Case Reports</i> , 2022 , 6, ytac143	0.9	0
8	Platelet Function and Genotype after DES Implantation in East Asian Patients: Rationale and Characteristics of the PTRG-DES Consortium.. <i>Yonsei Medical Journal</i> , 2022 , 63, 413-421	3	0
7	LDL cholesterol levels and thin cap fibroatheromas: A dynamic and complex puzzle. <i>Atherosclerosis</i> , 2015 , 243, 179-80	3.1	
6	Setup for Fractional Flow Reserve and Hyperemia 2018 , 213-221		
5	Intracardiac tumor presenting as complete atrioventricular block. <i>Korean Circulation Journal</i> , 2010 , 40, 352-3	2.2	
4	A case of quadricuspid aortic valve with aortic regurgitation. <i>Journal of Cardiovascular Imaging</i> , 2010 , 18, 70-1	0	
3	Effects of Microvascular Integrity on the Evaluation of Fractional Flow Reserve and Epicardial Stenosis Resistance Index. <i>Korean Circulation Journal</i> , 2005 , 35, 742	2.2	

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| 2 | Five-year clinical outcomes of the first Korean-made sirolimus-eluting coronary stent with abluminal biodegradable polymer. <i>Medicine (United States)</i> , 2021 , 100, e25765 | 1.8 |
| 1 | Impact of genetic variants on major bleeding after percutaneous coronary intervention based on a prospective multicenter registry. <i>Scientific Reports</i> , 2021 , 11, 1790 | 4.9 |