

Sung-Gyun Ahn

List of Publications by Year in descending order

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105
papers

1,290
citations

361045

20
h-index

454577

30
g-index

123
all docs

123
docs citations

123
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 3073-3083.	2.3	95
2	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.	1.4	91
3	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, 259-267.	1.1	66
4	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.	2.7	42
5	Prognostic value of short-term follow-up BNP in hospitalized patients with heart failure. <i>BMC Cardiovascular Disorders</i> , 2017, 17, 215.	0.7	41
6	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, 9, 793-801.	1.1	40
7	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.	1.1	40
8	Discordance Between Fractional Flow Reserve and Coronary Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 999-1007.	1.1	35
9	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, 2199-2205.	0.5	33
10	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.	1.1	33
11	Benefit of Prolonged Dual Antiplatelet Therapy After Implantation of Drug-Eluting Stent for Coronary Bifurcation Lesions. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e005849.	1.4	30
12	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, 706-713.	0.7	27
13	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.	1.6	26
14	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.	0.7	24
15	Feasibility of Transradial Coronary Intervention Using a Sheathless Guiding Catheter in Patients With Small Radial Artery. <i>Korean Circulation Journal</i> , 2011, 41, 143.	0.7	23
16	Urinary Levels of 8-Iso-Prostaglandin F ₂ ± and 8-Hydroxydeoxyguanine as Markers of Oxidative Stress in Patients With Coronary Artery Disease. <i>Korean Circulation Journal</i> , 2012, 42, 614.	0.7	23
17	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> , 2016, 5, .	1.6	23
18	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.	1.8	23

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19	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.	0.9	22
20	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.	0.9	21
21	A pharmacodynamic study of the optimal P2Y ₁₂ inhibitor regimen for East Asian patients with acute coronary syndrome. <i>Korean Journal of Internal Medicine</i> , 2015, 30, 620-628.	0.7	21
22	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.	1.2	20
23	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.	1.1	19
24	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.	1.4	19
25	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, 2008-2013.	0.8	18
26	Association of Wall Shear Stress with Coronary Plaque Progression and Transformation. <i>Interventional Cardiology Clinics</i> , 2015, 4, 491-502.	0.2	16
27	Transient receptor potential channel TRPV4 mediates TGF- β 1-induced differentiation of human ventricular fibroblasts. <i>Cardiology Journal</i> , 2020, 27, 162-170.	0.5	15
28	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.	0.7	14
29	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.	0.7	14
30	Is E/E _a reliable in patients with regional wall motion abnormalities to estimate left ventricular filling pressure?. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 33-39.	0.7	13
31	Intracardiac bone cement embolism. <i>Heart</i> , 2010, 96, 387-387.	1.2	13
32	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, 245-253.	0.3	13
33	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, 418-423.	0.8	13
34	Hypersensitivity myocarditis confirmed by cardiac magnetic resonance imaging and endomyocardial biopsy. <i>Korean Journal of Internal Medicine</i> , 2014, 29, 236.	0.7	13
35	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.	0.9	13
36	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.	0.8	12

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37	Genotype- and Phenotype-Directed Personalization of Antiplatelet Treatment in Patients with Non-ST Elevation Acute Coronary Syndromes Undergoing Coronary Stenting. Korean Circulation Journal, 2013, 43, 541.	0.7	12
38	Isoproterenol Enhances Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand-Induced Apoptosis in Human Embryonic Kidney Cells through Death Receptor 5 up-Regulation. Korean Circulation Journal, 2016, 46, 93.	0.7	12
39	Prognostic value of short-term follow-up B-type natriuretic peptide levels after hospital discharge in patients with acute myocardial infarction. International Journal of Cardiology, 2019, 289, 19-23.	0.8	12
40	Guideline-directed therapy at discharge in patients with heart failure and atrial fibrillation. Heart, 2020, 106, 292-298.	1.2	12
41	Current Practice of Transradial Coronary Angiography and Intervention: Results from the Korean Transradial Intervention Prospective Registry. Korean Circulation Journal, 2015, 45, 457.	0.7	11
42	Prognostic Effect of Guideline-Directed Therapy Is More Noticeable Early in the Course of Heart Failure. Journal of Korean Medical Science, 2019, 34, e133.	1.1	11
43	Reference diameter and characteristics of the distal radial artery based on ultrasonographic assessment. Korean Journal of Internal Medicine, 2022, 37, 109-118.	0.7	11
44	Impact of myocardial perfusion on left atrial remodeling following primary angioplasty for acute myocardial infarction. Coronary Artery Disease, 2006, 17, 597-603.	0.3	10
45	Impact of Chronic Kidney Disease on Clinical Outcomes in Diabetic Patients Undergoing Percutaneous Coronary Intervention in the Era of Newer-Generation Drug-Eluting Stents. Korean Circulation Journal, 2017, 47, 222.	0.7	10
46	Echocardiographic Plains Reflecting Total Amount of Epicardial Adipose Tissue as Risk Factor of Coronary Artery Disease. Journal of Cardiovascular Imaging, 2008, 16, 17.	0.8	9
47	Patterns of Antiplatelet Therapy During Noncardiac Surgery in Patients With Second-Generation Drug-Eluting Stents. Journal of the American Heart Association, 2020, 9, e016218.	1.6	9
48	Safety and Efficacy of a New Ultrathin Sirolimus-Eluting Stent with Abluminal Biodegradable Polymer in Real-World Practice. Korean Circulation Journal, 2020, 50, 317.	0.7	9
49	A Prospective Study of Epicardial Adipose Tissue and Incident Metabolic Syndrome: The ARIRANG Study. Journal of Korean Medical Science, 2013, 28, 1762.	1.1	8
50	Remote Ischemic Conditioning by Effluent Collected from a Novel Isolated Hindlimb Model Reduces Infarct Size in an Isolated Heart Model. Korean Circulation Journal, 2017, 47, 714.	0.7	8
51	Comparison of Blood Pressure Variability Between Losartan and Amlodipine in Essential Hypertension (COMPAS-BPV). American Journal of Hypertension, 2020, 33, 748-755.	1.0	8
52	Differential association of metabolic syndrome and low-density lipoprotein cholesterol with incident cardiovascular disease according to sex among Koreans: a national population-based study. European Journal of Preventive Cardiology, 2022, 28, 2021-2029.	0.8	8
53	Intra-individual variability of residual platelet reactivity assessed by the VerifyNow-P2Y12 assay in patients with clopidogrel resistance after percutaneous coronary intervention. Platelets, 2011, 22, 305-307.	1.1	7
54	Switching from prasugrel to clopidogrel based on Cytochrome P450 2C19 genotyping in East Asian patients stabilized after acute myocardial infarction. Platelets, 2016, 27, 301-307.	1.1	7

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55	Abdominal obesity and structure and function of the heart in healthy male Koreans. <i>Medicine (United States)</i> , 2014, 93, 10, e004314.	0.4	6
56	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, 505.	1.0	6
57	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.	1.6	6
58	Development of the Hypertension Index Model in General Adult Using the Korea National Health and Nutritional Examination Survey and the Korean Genome and Epidemiology Study. <i>Journal of Personalized Medicine</i> , 2021, 11, 968.	1.1	6
59	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.	0.7	5
60	Effect of Distal Protection Device on the Microvascular Integrity in Acute Myocardial Infarction During Primary Percutaneous Coronary Intervention. <i>Circulation Journal</i> , 2006, 70, 1284-1289.	0.7	5
61	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.	0.7	5
62	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, 21-31.	0.7	5
63	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.	0.7	5
64	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.	1.1	5
65	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, 224-229.	1.2	4
66	Do Different Arterial Stiffness Parameters Provide Similar Information in High-Risk Patients for Coronary Artery Disease?. <i>Korean Circulation Journal</i> , 2013, 43, 819.	0.7	4
67	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.	0.7	4
68	Randomized Comparison of Everolimus- and Zotarolimus-Eluting Coronary Stents With Biolimus-Eluting Stents in All-Coroner Patients. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008525.	1.4	4
69	Successful recanalization of chronic total occlusion of the superior mesenteric artery by transradial approach. <i>Journal of Zhejiang University: Science B</i> , 2010, 11, 627-630.	1.3	3
70	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.	0.7	3
71	Echocardiographic and Clinical Factors Affecting Normalization of LV Systolic Function in Patients with Cardiomyopathy. <i>Sunhwan'gi</i> , 2001, 31, 200.	0.3	2
72	Predictors of Side Branch Occlusion Immediately after Coronary Stenting: an Intravascular Ultrasound Study. <i>Sunhwan'gi</i> , 2002, 32, 655.	0.3	2

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73	Effect of Distal Protection Device on the Microvascular Integrity during Primary Stenting in Acute Myocardial Infarction: Distal Protection Device in Acute Myocardial Infarction. Korean Circulation Journal, 2005, 35, 106.	0.7	2
74	Abnormal left atrial membranous structure in transthoracic echocardiography caused by external compression from a large bronchogenic cyst. Heart, 2006, 92, 200-200.	1.2	2
75	The Accuracy of Electrocardiogram Criteria for Left Ventricular Hypertrophy in Korean Cohort (Atherosclerosis Risk of a Rural Area Korean General Population). Journal of the Korean Society of Hypertension, 2013, 19, 112.	0.2	2
76	Comparison of the Safety and Efficacy of Biodegradable Polymer Biolimus-Eluting Stents and Durable Polymer Everolimus-Eluting Stents: Propensity Score-Matched Analysis. Journal of Interventional Cardiology, 2014, 27, 399-407.	0.5	2
77	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. Journal of Nuclear Cardiology, 2015, 22, 953-956.	1.4	2
78	Validation of post-stenting fractional flow reserve with intravascular ultrasound parameters for optimal stent deployment. International Journal of Cardiovascular Imaging, 2020, 36, 197-203.	0.7	2
79	The Index of Microcirculatory Resistance after Primary Percutaneous Coronary Intervention Predicts Long-Term Clinical Outcomes in Patients with ST-Segment Elevation Myocardial Infarction. Journal of Clinical Medicine, 2021, 10, 4752.	1.0	2
80	Intracoronary thrombosis treated with stent and abciximab in patient with membranous glomerulonephritis. Sunhwan'gi, 2000, 30, 1307.	0.3	2
81	The Effect of Preload Reduction on a New Parameter to Evaluate Left Ventricular Diastolic Function. Korean Circulation Journal, 2005, 35, 827.	0.7	1
82	A Case of Quadricuspid Aortic Valve with Aortic Regurgitation. Journal of Cardiovascular Imaging, 2010, 18, 70.	0.8	1
83	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. Journal of the Korean Society of Hypertension, 2014, 20, 31.	0.2	1
84	Addition of N-terminal Pro-B-type Natriuretic Peptide Levels to Electrocardiography Criteria for Detection of Left Ventricular Hypertrophy: The ARIRANG Study. Journal of Korean Medical Science, 2015, 30, 407.	1.1	1
85	Intermittent Claudication due to Cystic Adventitial Disease of the Popliteal Artery: Importance of Multiple Imaging Modalities. Korean Circulation Journal, 2018, 48, 334.	0.7	1
86	Immediate multivessel intervention versus culprit-vessel intervention only in patients with ST-elevation myocardial infarction and multivessel coronary disease. Coronary Artery Disease, 2019, 30, 95-102.	0.3	1
87	Impact of genetic variants on clinical outcome after percutaneous coronary intervention in elderly patients. Aging, 2021, 13, 6506-6524.	1.4	1
88	Five-year clinical outcomes of the first Korean-made sirolimus-eluting coronary stent with abluminal biodegradable polymer. Medicine (United States), 2021, 100, e25765.	0.4	1
89	Successful transradial intervention via a radial recurrent artery branch from the radioulnar alpha loop using a sheathless guiding catheter. Yeungnam University Journal of Medicine, 2018, 35, 94-98.	0.7	1
90	Ischaemia-induced Osborn waves. European Heart Journal - Case Reports, 2022, 6, ytac143.	0.3	1

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91	Effects of Microvascular Integrity on the Evaluation of Fractional Flow Reserve and Epicardial Stenosis Resistance Index. Korean Circulation Journal, 2005, 35, 742.	0.7	0
92	Intracardiac Tumor Presenting as Complete Atrioventricular Block. Korean Circulation Journal, 2010, 40, 352.	0.7	0
93	AS-079 Predictors For Crossover From Radial To Femoral Approach In Patients Undergoing Percutaneous Coronary Intervention For Unprotected Left Main Disease. American Journal of Cardiology, 2011, 107, 56A-57A.	0.7	0
94	TCT-579 One year clinical outcome of biodegradable and permanent polymer drug-eluting stents for multivessel disease or long lesion (≥28mm) in patients with stable and unstable angina. Journal of the American College of Cardiology, 2012, 60, B168.	1.2	0
95	AS-053 Predictors for Change in Reference Vessel Diameter in Patients with Coronary Artery Disease. American Journal of Cardiology, 2012, 109, S27-S28.	0.7	0
96	AS-090 Comparison of Endothelial Coverage and Stent Malapposition between Infarct-Related and Non-Infarct Coronary Lesions Treated with Everolimus-Eluting Stents; Optical Coherence Tomography Analysis. American Journal of Cardiology, 2012, 109, S46.	0.7	0
97	AS-160 Predictors of Crossover from Radial to Femoral Approach in Patients Undergoing Percutaneous Coronary Intervention for Unprotected Left Main Disease. American Journal of Cardiology, 2012, 109, S82.	0.7	0
98	Efficacy of Combination of Intracoronary Abciximab Administration and Aspiration Thrombectomy on Myocardial Perfusion As Assessed by Index of Microcirculatory Resistance in Patients with ST-Segment Elevation Myocardial Infarction Undergoing Primary Coronary Stenting. American Journal of Cardiology, 2013, 111, 8B-9B.	0.7	0
99	LDL cholesterol levels and thin cap fibroatheromas: A dynamic and complex puzzle. Atherosclerosis, 2015, 243, 179-180.	0.4	0
100	Setup for Fractional Flow Reserve and Hyperemia. , 2018, , 213-221.		0
101	Impact of genetic variants on major bleeding after percutaneous coronary intervention based on a prospective multicenter registry. Scientific Reports, 2021, 11, 1790.	1.6	0
102	Dose Coronary Angiography Suffice for Assessment of Intermediate Coronary Stenosis?. Korean Circulation Journal, 2019, 49, 1033.	0.7	0
103	Effects of Remote Ischemic Conditioning on Late Infarct Size and Left Ventricular Function in Patients with ST-segment Elevation Myocardial Infarction. , 0, 1, .		0
104	Right Versus Left Radial Artery Access for Coronary Procedures: Efficacy Is More Dependent on an Operator Proficiency Than on the Access Site Selection. , 0, 1, .		0
105	Efficacy and Safety of SID142 in Patients With Peripheral Arterial Disease: A Multicenter, Randomized, Double-Blind, Active-Controlled, Parallel-Group, Phase III Clinical Trial. Clinical Therapeutics, 2022, 44, 508-528.	1.1	0